
Air Quality and Greenhouse Gas Emissions
Technical Report

Rohr Wohl Specific Plan Project, City of Chula Vista, California

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
µg/m ³	micrograms per cubic meter
ac	acre
AQMP	Air Quality Management Plan
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
City	City of Chula Vista
CO	carbon monoxide
DPM	diesel particulate matter
EMFAC	EMissions FACtor model
EPA	U.S. Environmental Protection Agency
g/L	grams per liter
H ₂ S	hydrogen sulfide
HAP	hazardous air pollutant
HRA	Health Risk Assessment
ksf	thousand square feet
LOS	level of service
MM	Mitigation Measure
NAAQS	National Ambient Air Quality Standards
NO	nitric oxide
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
O ₃	ozone
PDF	Project Design Feature
PM _{2.5}	fine particulate matter
PM ₁₀	coarse particulate matter
ppb	parts per billion
ppm	parts per million
project	Rohr Wohl Specific Plan Project
RAQS	Regional Air Quality Strategy
RTP	Regional Transportation Plan
ROG	reactive organic gases
SANDAG	San Diego Association of Governments
SCAQMD	South Coast Air Quality Management District

Acronym/Abbreviation	Definition
SCS	Sustainable Communities Strategy
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDG&E	San Diego Gas & Electric Company
SIP	state implementation plan
SO ₂	sulfur dioxide
SO _x	sulfur oxides
sp	parking space
TAC	toxic air contaminant
VMT	vehicle miles traveled
VOC	volatile organic compound

Executive Summary

The purpose of this technical report is to assess the potential air quality and greenhouse gas emissions impacts associated with implementation of the Rohr Wohl Specific Plan Project (project/proposed project). This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.) and the emissions-based significance thresholds recommended by the City of Chula Vista (City) and other applicable thresholds.

Project Overview

The proposed project involves the preparation of a Specific Plan that would govern future development within the three Planning Areas (A, B-1, and B-2) at the project site. Specific plans are a mechanism to ensure that projects develop in an organized and a cohesive manner. Specific plans incorporate a development framework for detailed land use, circulation, infrastructure including drainage, sewer, and water facilities, and urban design and landscape plans. A comprehensive set of design guidelines and development regulations are included to guide and regulate site planning, landscape, and architectural character within the Specific Plan area ensuring that excellence in design is achieved during project development. The Rohr Wohl Specific Plan establishes the procedures and requirements to approve new development within the Specific Plan area.

Project Design Features

The proposed project would implement the following construction-related project design features (PDFs) intended to reduce emissions from project construction. The project would implement **PDF-AQ-1**, as follows:

PDF-AQ-1: Standard construction practices would be employed to reduce fugitive dust emissions and include watering of the active sites and exposed surfaces up two times per day, depending on weather conditions; watering unpaved roads, and limiting vehicle speeds on unpaved roads. Construction of the Project would be subject to SDAPCD Rule 55 – Fugitive Dust Control. Compliance with Rule 55 would limit fugitive dust that may be generated during grading and construction activities.

PDF-GHG-1 Operational Mobile Source Emissions Reductions Measures. The project shall implement the following measures.

- Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (CARB) anti-idling regulations. At a minimum, each sign shall include: (1) instructions for truck drivers to shut off engines when not in use; (2) instructions for drivers of diesel trucks to restrict idling to no more than 5 minutes once the vehicle is stopped, the transmission is set to “neutral” or “park,” and the parking brake is engaged; and (3) telephone numbers of the building facilities manager and CARB to report violations. Prior to the issuance of an occupancy permit, the City of Chula Vista shall conduct a site inspection to ensure that the signs are in place.
- Tenants shall train managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks. Staff in charge of keeping vehicle records shall be trained in diesel technologies and compliance with CARB regulations by attending CARB-approved courses as well as maintaining on-site records demonstrating compliance.

- Leasing preference shall be given to prospective tenants with a facility-owned and operated fleet that is alternative/zero-emissions.
- Prior to tenant occupancy, the developer or successor(s) in interest shall provide documentation to the City of Chula Vista demonstrating that occupants/tenants of the Project site have been provided documentation on funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment.
- The minimum number of automobile electric vehicle (EV) charging stations required by the California Code of Regulations Title 24 shall be provided prior to issuance of a Certificate of Occupancy. In addition, the buildings shall include electrical infrastructure sufficiently sized to accommodate the potential installation of additional automobile EV charging stations in the future. Electrical infrastructure shall be provided such that EV charging stations can be installed on 20% of the Project's total automobile parking spaces. Buildings shall include an electrical system and other infrastructure sufficiently-sized to accommodate the potential expanded installation of EV charging stations in the future. The electrical system and infrastructure must be clearly labeled with noticeable and permanent signage which informs future occupants/owners of the existence of this infrastructure.
- Tenants shall be in, and monitor compliance with, all current air quality regulations for on-road trucks including CARB's Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation, Periodic Smoke Inspection Program, and the Statewide Truck and Bus Regulation.

PDF-GHG-2 Operational Energy Source Emissions Reductions Measures. The Project shall implement the following measures.

- The project shall be designed such that each building features skylights that cover a minimum of 3% of the total roof area of the Project.
- Photovoltaic infrastructure shall be provided on the rooftops of project buildings such that a minimum of 25% of the total roof area of the project includes photovoltaic arrays at Project buildout. Project buildings shall include an electrical system and other infrastructure sufficiently sized to accommodate the potential installation photovoltaic arrays in the future up to 50% of the total roof area of the project. The electrical system and infrastructure must be clearly labeled with noticeable and permanent signage which informs future occupants/owners of the existence of this infrastructure.
- Project building plans shall specify that all fixtures installed in restrooms and employee break areas shall be U.S. Environmental Protection Agency (EPA) Certified WaterSense or equivalent.
- Project building plans shall specify that all heating, cooling, lighting, and appliance fixtures installed be Energy Star-rated. Information on energy efficiency, energy-efficient lighting and lighting control systems, energy management, and existing energy incentive programs shall be provided to future tenants of the project.
- Prior to the issuance of permits that would allow the installation of landscaping, the City of Chula Vista shall review and approve landscaping plans for the site that require: (1) a plant palette emphasizing drought-tolerant plants; (2) use of water-efficient irrigation techniques; and (3) sufficient shade trees are provided so that at least 30% of the automobile parking areas will be shaded within 15 years after project construction is complete (excluding the truck courts

where trees cannot be planted due to interference with truck maneuvering). The City of Chula Vista shall inspect for adherence to these requirements after landscaping installation.

- Structures shall be equipped with outdoor electric outlets in the front and rear of the structures to facilitate use of electrical lawn and garden equipment.

Air Quality

The air quality impact analysis evaluated the potential for adverse impacts to air quality due to construction and operational emissions resulting from the project. The State CEQA Guidelines allow lead agencies to use the significance criteria established by the applicable air quality management district or air pollution control district to evaluate a project's impacts to air quality. The City of Chula Vista has elected to apply the South Coast Air Quality Management District's (SCAQMD) quantitative emissions significance thresholds to determine a project's air quality impacts.

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards (criteria) for outdoor concentrations to protect public health. Criteria air pollutants include ozone (O₃), nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide (SO₂), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM₁₀), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns (PM_{2.5}), and lead. Pollutants that are evaluated include volatile organic compounds (VOCs), oxides of nitrogen (NO_x), CO, sulfur oxides (SO_x), PM₁₀, and PM_{2.5}. VOCs and NO_x are important because they are precursors to O₃.

Air Quality Plan Consistency

If a project proposes development that is greater than that anticipated in the local plan and the growth projections set by the San Diego Association of Governments (SANDAG), the project might conflict with the State Implementation Plan and SDAPCD Regional Air Quality Strategy, and therefore may contribute to a potentially significant cumulative impact on air quality. The proposed project would amend the General Plan to change the land use designation on the project site from Industrial (I) to Rohr Wohl Specific Plan; allowed uses on site would be governed by the Specific Plan. The project area is currently designated as General Industrial (I-G) in the City of Chula Vista General Plan. The zoning of the area would be amended to allow for a flexible combination of light industrial, office, commercial and visitor-oriented uses. The proposed uses would rejuvenate an underutilized property creating a diverse spectrum of new employment opportunities and restoring the approximate 1,000 jobs that existed on site during Rohr Industries operations. While the proposed project would contribute to population growth it would be in an area that is comparable to existing conditions, as such it would not lead to substantial employment and population growth that would exceed that projected by SANDAG. Based on this consideration, impacts related to the project's potential to conflict with or obstruct implementation of the applicable air quality plan would be **less than significant**.

Cumulatively Considerable Net Increase in Nonattainment Criteria Air Pollutant Emissions

Construction of the project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). The maximum daily construction emissions would not exceed the SCAQMD's significance thresholds for NO_x, CO, SO_x, PM₁₀, or PM_{2.5} during construction. However,

the project's construction emissions would exceed the SCAQMD's thresholds of significance for VOCs. Therefore, the project would have a potentially significant impact.

The analysis herein assumed an operational year of 2030. Operation of the project would generate operational criteria air pollutants from mobile sources (vehicles), area sources (consumer product use, architectural coatings, and landscape maintenance equipment), and energy (natural gas). The net operational emissions would not exceed the SCAQMD's operational significance thresholds for VOCs, NO_x, CO, SO_x, PM₁₀, or PM_{2.5}.

The potential for a project to result in a cumulatively considerable impact is based on the project's potential to exceed the project-specific daily thresholds. Implementation of Mitigation Measure AQ-1 would reduce VOC emissions below the SCAQMD's thresholds of significance, resulting in a less than significant impact after mitigation. Because the mitigated construction and net operational emissions would not exceed the SCAQMD's significance thresholds for VOCs, NO_x, CO, SO_x, PM₁₀, or PM_{2.5}, the project would not result in a cumulatively considerable increase in criteria air pollutants. The impact would be **less than significant after mitigation**.

Exposure of Sensitive Receptors

Regarding potential carbon monoxide (CO) violations or hotspots, the project determined that there no intersections within the project area or within the City that are more congested than SCAQMD's most congested intersections evaluated for CO hotspots in its 2003 CO attainment redesignation request to the United States Environmental Protection Agency (EPA). Given that traffic volumes would be substantially less than those evaluated by SCAQMD and CO concentrations in the project area are well below ambient air quality standards. The project would not result in a CO hotspot given the above information and continued improvements in vehicle emissions. The impact would be less than significant.

Construction of the project would result in exposure of nearby sensitive receptors (residences) to diesel particulate matter (DPM), which is a toxic air contaminant (TAC). The construction health risk assessment (HRA) determined that the maximum individual cancer risk would exceed the SCAQMD's threshold of significance resulting in a potentially significant impact. Mitigation Measure AQ-2 and Mitigation Measure AQ-3, which require the provision of electric infrastructure and select electric equipment during construction and the use of Tier 4 Final construction equipment, respectively, would be incorporated into the project to reduce DPM emissions. The mitigated construction health risk was determined to be less than the SCAQMD's threshold of significance.

Operation of the project would also result in exposure of nearby sensitive receptors to DPM from potential diesel-fueled cargo handling equipment, trucks, and emergency generators. The operational HRA prepared for the project determined that the unmitigated operational emissions would exceed the SCAQMD's thresholds of significance resulting in a potentially significant impact. Mitigation Measure AQ-4 would require the use of electric cargo handling equipment, while Mitigation Measure AQ-4 would require the use of Tier 4 emergency generators, and Mitigation Measure AQ-5 would place truck requirements and restrictions to encourage the use of cleaner vehicles. Together these measures would result in a mitigated health risk that is below the SCAQMD's thresholds of significance.

With the implementation of mitigation, the construction and operational health impacts would be **less than significant after mitigation**.

Other Emissions

Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application, which would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Impacts associated with odors during construction would be less than significant. The project would be a mixture of industrial/business park with commercial, hotel, and restaurant land uses that would not include land uses with sources that have the potential to generate substantial odors. Impacts associated with odors during operation would be **less than significant**.

Greenhouse Gas Emissions

Global climate change is primarily considered a cumulative impact but must also be evaluated on a project-level under CEQA. A project contributes to this potential impact through its incremental emissions combined with the cumulative increase of all other sources of greenhouse gas (GHG) emissions. GHGs are gases that absorb infrared radiation in the atmosphere. Principal GHGs regulated under state and federal law and regulations include carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). GHG emissions are measured in metric tons of CO₂ equivalent (MT CO₂e), which account for weighted global warming potential (GWP) factors for CH₄ and N₂O.

Greenhouse Gas Emissions / Conflicts with Applicable GHG Reduction Plans

The project's potential to conflict with applicable GHG reduction plans and regulations was the sole criteria used to evaluate the project's significance under CEQA. Applicable GHG reduction plans include: the City's Climate Action Plan (CAP), the 2022 Scoping Plan, the 2017 Scoping Plan, AB 32 Regulations, and the 2008 Scoping Plan, SANDAG's RTP/SCS, and the City's General Plan. The project was determined to not conflict with applicable GHG reduction plans and regulations. Furthermore, the project is located within an area identified for growth and development and it would restore employment to comparable historic numbers for the project site; the project would not result in unanticipated growth. Based on the preceding, the project would result in a **less than significant** GHG impact.

Energy

Wasteful, Inefficient, or Unnecessary Consumption of Energy Resources

The project's construction energy demand would represent a "single-event" energy demand and would not require ongoing or permanent commitment of resources, impacts would be less than significant. Project operations would comply with applicable regulatory measures adopted to reduce energy demand as well as incorporated PDF-GHG-1, which would further reduce energy demand. Based on the preceding, the project's operational demand would be **less than significant**.

Conflict with Renewable Energy or Energy Efficiency Plans

The project would comply with applicable energy plans. In addition, PDF-GHG-1 would go above and beyond current energy code standards to further enhance energy efficiencies and provide renewable energy to the project site. Accordingly, impacts would be **less than significant**.

Cumulative Energy Impact

The project itself would not result in wasteful, inefficient, or unnecessary use of energy as a result it would not contribute to a cumulative energy impact. The impact would be **less than significant**.

Mitigation Measures

Mitigation Measure AQ-1 Low VOC Paints. The project shall use super-compliant VOC paint (defined as less than 10 g/L of VOC) during project construction for architectural coatings.

Mitigation Measure AQ-2 Provision of Electrical Infrastructure for Construction and Use of Electric Construction Equipment. After the grading phase of Project construction, the Project Applicant or successor in interest shall provide temporary electrical hook ups to the power grid, rather than diesel-fueled generators, for contractors' electric construction tools, such as saws, drills and compressors. The use of diesel-fueled generators for on-site construction activities shall be prohibited unless electrical infrastructure is not yet available on the Project site. Diesel-fueled generators may be used for off-site construction work. All off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during Project construction must be electric-powered. The Project Applicant or successor in interest shall include these requirements in applicable bid documents, purchase orders, and contracts with successful contractors.

Mitigation Measure AQ-3 Tier 4 Final Construction Equipment. Prior to the commencement of any construction activities, the applicant or its designee shall provide evidence to the City of Chula Vista (City) that for off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 4 Final. In the event of changed circumstances (e.g., changes in availability of specific types of construction equipment), the applicant may submit a request to the City to apply an equivalent method of achieving project-generated construction emissions that fall below the numeric cancer risk standards established by the San Diego Air Pollution Control District (SDAPCD). Documentation using industry-standard emission estimation methodologies shall be furnished to the City Community Development Department demonstrating that estimated project-generated construction emissions would not exceed the applicable SCAQMD cancer risk threshold with the alternate construction method(s). If the documentation demonstrates project-generated construction emissions will remain below the applicable SDAPCD cancer risk threshold, then the City may approve the alternate construction method(s) at the Development Director's discretion. Required construction equipment fleet and methodologies approved by the City shall be included in the in the contract specifications for the applicant's contractor.

Mitigation Measure AQ-4 Cargo Handling Equipment. All cargo handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, and forklifts) shall be zero-emission vehicles. Each

building shall include the necessary charging stations or other necessary infrastructure for cargo handling equipment. The building manager or their designee shall be responsible for enforcing these requirements.

Mitigation Measure AQ-5 Tier 4 Emergency Generators. The project operations shall be conditioned to operate with Tier 4 Final certified emergency generators.

Mitigation Measure AQ-6 Truck Requirements and Restrictions. Prior to issuance of a building permit, the City shall confirm the following:

- The loading docks shall be designed to accommodate SmartWay trucks.
- Applicant shall provide project specifications, drawings, and calculations that demonstrate that main electrical supply lines and panels have been sized to support heavy truck charging facilities when these trucks become available.

Summary of Findings

Table ES-1. Summary of Impact Determinations

Analysis	Report Section	CEQA Checklist Question	Significance Determinations	
			Unmitigated	Mitigated
Air Quality				
Air Quality Management Plan	2.4.1	AQ-1	Less than Significant	No Mitigation Required
Cumulatively Considerable Net Increase of Any Criteria Pollutant	2.4.2	AQ-2	Potential Significant	Less than Significant
Sensitive Receptors	2.4.3	AQ-3	Potentially Significant	Less than Significant
Other Emissions and Odors	2.4.4	AQ-4	Less than Significant	No Mitigation Required
Greenhouse Gas Emissions				
Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment, or would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the	3.4.1	GHG-1 and GHG-2	Less than Significant	No Mitigation Required

Table ES-1. Summary of Impact Determinations

Analysis	Report Section	CEQA Checklist Question	Significance Determinations	
			Unmitigated	Mitigated
emissions of greenhouse gases?				
Energy				
Wasteful, Inefficient, or Unnecessary Consumption of Energy Resources	4.4.1	EN-1	Less than Significant	No Mitigation Required
Conflict with Renewable Energy or Energy Efficiency Plans	4.4.2	EN-2	Less than Significant	No Mitigation Required
Result in a cumulatively considerable energy impact?	4.4.3	EN-3	Less than Significant	No Mitigation Required

1 Introduction

1.1 Report Purpose and Scope

The purpose of this technical report (report) is to evaluate the potential air quality and greenhouse gas (GHG) impacts associated with construction and operation of the proposed Rohr Wohl Specific Plan Project (project/proposed project) located in the City of Chula Vista (City), California, within San Diego County. This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.) and is based on the SCAQMD emissions-based significance thresholds as recommended by the City.

This introductory section provides a description of the proposed project. Section 2, Air Quality, describes the air quality-related environmental setting, regulatory setting, existing air quality conditions, and thresholds of significance and analysis methodology, and presents an air quality impact analysis per Appendix G of the CEQA Guidelines. Section 3, Greenhouse Gas Emissions, describes the GHG emissions-related environmental setting, regulatory setting, existing climate changes conditions, and thresholds of significance and analysis methodology, and presents a GHG emissions impact analysis per Appendix G of the CEQA Guidelines. Section 4, Energy presents an energy impact analysis per Appendix G of the CEQA Guidelines. Section 5, References, includes a list of the references cited, and Section 6, List of Preparers, includes a list of those who prepared this technical report.

1.2 Regional and Local Setting

The project site is 44.78 acres located in the City of Chula Vista, California (City). The site is in the northwest portion of the City, directly adjacent to the City of San Diego. More specifically, the project site is located west of Interstate (I) 5, north of H Street, south of G Street, and east of Marina Parkway (Figure 1, Project Location). The site Assessor's Parcel Numbers are 571-330-35, 36, 37, 38, 39, 40, 41, 42, 43, 44, and 45.

The project site is located within the San Diego Air Basin (SDAB) and is within the jurisdictional boundaries of the San Diego Air Pollution Control District (SDAPCD).

Project Setting and Surrounding Environment

The project site consists of developed land occupied by the former Rohr Aircraft Facility. The site was developed with several industrial buildings historically used for manufacturing, warehousing, research and development, and related office uses totaling approximately 1,048,841 square feet. One of the industrial buildings in Planning Area A, known as Building 29 (795 H Street), was used for research and development, tooling, and warehousing and distribution of aftermarket products until February 2021. Renovations of that building commenced in 2021, including removal of approximately 50,000 square feet of interior mezzanine office space. Planning Areas B-1 and B-2 were used for manufacturing operations, which ceased in approximately 2020. Demolition of the buildings in Planning Areas B-1 and B-2 (totaling approximately 766,837 square feet) commenced in May 2023 in connection with environmental remediation of the site.

Planning Areas A, B-1, and B-2 of the project site are located within the Chula Vista Bayfront Local Coastal Program and currently lie within the General Industrial (I) Zoning and Industrial (I) General Plan land use designations.

Land uses in the vicinity of the project site include vacant properties, Collins Aerospace, and Seven Mile Casino to the north; Marina, Chula Vista Harbor, and future development as part of the Chula Vista Bayfront Master Plan to the south; Bay Boulevard and I-5 to the east; and Chula Vista RV Resort and future development site for the Gaylord Pacific Resort Hotel and Convention Center to the west.

1.3 Project Description

The proposed project involves the preparation of a Specific Plan that would govern future development within the three Planning Areas (A, B-1, and B-2) at the project site (see Figure 2). Specific plans are a mechanism to ensure that projects develop in an organized and a cohesive manner. Specific plans incorporate a development framework for detailed land use, circulation, infrastructure including drainage, sewer, and water facilities, and urban design and landscape plans. A comprehensive set of design guidelines and development regulations are included to guide and regulate site planning, landscape, and architectural character within the Specific Plan area ensuring that excellence in design is achieved during project development. The Rohr Wohl Specific Plan establishes the procedures and requirements to approve new development within the Specific Plan area.

A General Plan and Land Use Plan Amendment is proposed to be processed concurrently with Specific Plan adoption, which would change the existing I-G (General Industrial) zoning designation to three new zoning designations: PA-1 (for Planning Area A), PA-2 (for Planning Area B-1), and PA-3 (for Planning Area B-2). These new designations would provide for permitted, conditionally permitted, and prohibited uses within six land use categories: Commercial Retail (CR), Commercial Visitor (CV), Commercial Office (CO), Light Industrial (LI), Regional Technology Park (RTP), and Business Park Flex (BPF). The existing zoning designation of I-G would be amended to complement the Collins Aerospace Campus to allow a flexible combination of light industrial, office, commercial and visitor-oriented uses to complement both the overall Chula Vista Bayfront area and the western part of Chula Vista. California Government Code (Title 7, Division 1, Chapter 3, Article 8, Sections 65450–65457) permits adoption and administration of specific plans as an implementation tool for the local general plan. Specific plans must demonstrate consistency in regulations, guidelines, and programs with the goals and policies set forth in the general plan. The Rohr Wohl Specific Plan would be prepared in conformance with the goals and policies of the City of Chula Vista General Plan as amended, in providing a commercial/light Industrial use on an underutilized property, creating new employment opportunities, and providing regulations that support the success of an employment area of the City.

1.4 Project Design Features

The Project would implement construction-related and operational project design features (PDFs) intended to reduce emissions of criteria air pollutants and toxic air contaminants (TACs) as follows:

PDF-AQ-1: Standard construction practices would be employed to reduce fugitive dust emissions and include watering of the active sites and exposed surfaces up two times per day, depending on weather conditions; watering unpaved roads, and limiting vehicle speeds on unpaved roads. Construction of the Project would be subject to SDAPCD Rule 55 – Fugitive Dust Control. Compliance with Rule 55 would limit fugitive dust that may be generated during grading and construction activities.

PDF-GHG-1 Operational Mobile Source Emissions Reductions Measures. The project shall implement the following measures.

- Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (CARB) anti-idling regulations. At a minimum, each sign shall include: (1) instructions for truck drivers to shut off engines when not in use; (2) instructions for drivers of diesel trucks to restrict idling to no more than 5 minutes once the vehicle is stopped, the transmission is set to “neutral” or “park,” and the parking brake is engaged; and (3) telephone numbers of the building facilities manager and CARB to report violations. Prior to the issuance of an occupancy permit, the City of Chula Vista shall conduct a site inspection to ensure that the signs are in place.
- Tenants shall train managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks. Staff in charge of keeping vehicle records shall be trained in diesel technologies and compliance with CARB regulations by attending CARB-approved courses as well as maintaining on-site records demonstrating compliance.
- Leasing preference shall be given to prospective tenants with a facility-owned and operated fleet that is alternative/zero-emissions.
- Prior to tenant occupancy, the developer or successor(s) in interest shall provide documentation to the City of Chula Vista demonstrating that occupants/tenants of the Project site have been provided documentation on funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment.
- The minimum number of automobile electric vehicle (EV) charging stations required by the California Code of Regulations Title 24 shall be provided prior to issuance of a Certificate of Occupancy. In addition, the buildings shall include electrical infrastructure sufficiently sized to accommodate the potential installation of additional automobile EV charging stations in the future. Electrical infrastructure shall be provided such that EV charging stations can be installed on 20% of the Project’s total automobile parking spaces. Buildings shall include an electrical system and other infrastructure sufficiently-sized to accommodate the potential expanded installation of EV charging stations in the future. The electrical system and infrastructure must be clearly labeled with noticeable and permanent signage which informs future occupants/owners of the existence of this infrastructure.
- Tenants shall be in, and monitor compliance with, all current air quality regulations for on-road trucks including CARB’s Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation, Periodic Smoke Inspection Program, and the Statewide Truck and Bus Regulation.

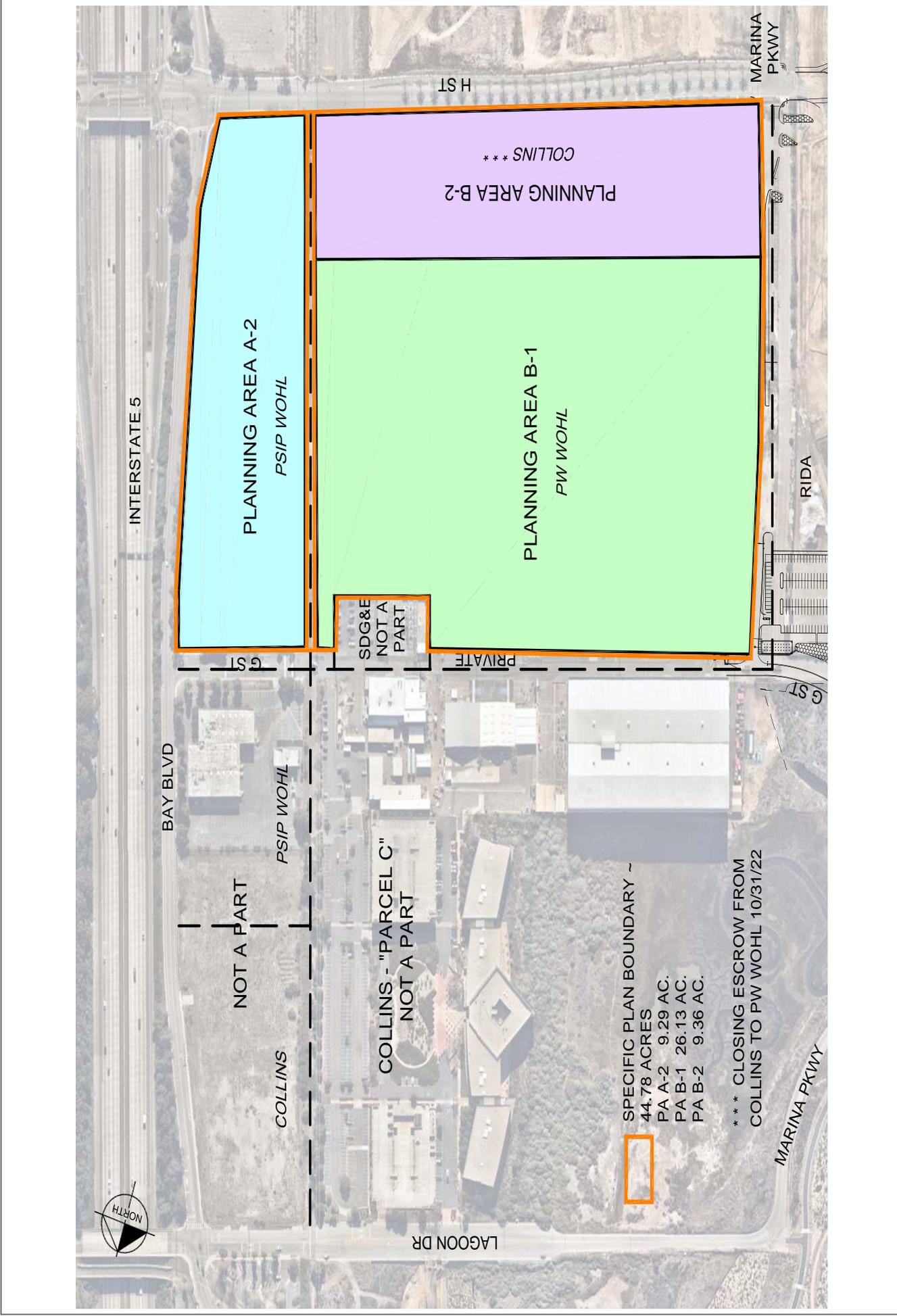
PDF-GHG-2 Operational Energy Source Emissions Reductions Measures. The Project shall implement the following measures.

- The project shall be designed such that each building features skylights that cover a minimum of 3% of the total roof area of the Project.
- Photovoltaic infrastructure shall be provided on the rooftops of project buildings such that a minimum of 25% of the total roof area of the project includes photovoltaic arrays at Project buildout. Project buildings shall include an electrical system and other infrastructure sufficiently sized to accommodate the potential installation photovoltaic arrays in the future up

to 50% of the total roof area of the project. The electrical system and infrastructure must be clearly labeled with noticeable and permanent signage which informs future occupants/owners of the existence of this infrastructure.

- Project building plans shall specify that all fixtures installed in restrooms and employee break areas shall be U.S. Environmental Protection Agency (EPA) Certified WaterSense or equivalent.
- Project building plans shall specify that all heating, cooling, lighting, and appliance fixtures installed be Energy Star-rated. Information on energy efficiency, energy-efficient lighting and lighting control systems, energy management, and existing energy incentive programs shall be provided to future tenants of the project.
- Prior to the issuance of permits that would allow the installation of landscaping, the City of Chula Vista shall review and approve landscaping plans for the site that require: (1) a plant palette emphasizing drought-tolerant plants; (2) use of water-efficient irrigation techniques; and (3) sufficient shade trees are provided so that at least 30% of the automobile parking areas will be shaded within 15 years after project construction is complete (excluding the truck courts where trees cannot be planted due to interference with truck maneuvering). The City of Chula Vista shall inspect for adherence to these requirements after landscaping installation.
- Structures shall be equipped with outdoor electric outlets in the front and rear of the structures to facilitate use of electrical lawn and garden equipment.

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SOURCE: COLLINS WOHL BAYFRONT SPECIFIC PLAN, 2022



FIGURE 2
Site Plan
Rohr Wohl Specific Plan

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2 Air Quality

2.1 Environmental Setting

The Project site is located within the boundaries of the San Diego Air Basin (SDAB). The SDAB is one of 15 air basins that geographically divide the State of California. The SDAB lies in the southwest corner of California and covers 4,260 square miles with the San Diego region.

Air pollutants are emitted by a variety of sources, including mobile sources (vehicles), area sources (hearths, consumer product use, architectural coatings, and landscape maintenance equipment), energy sources (natural gas), and stationary sources (generators or other stationary equipment). Some air pollutants need to be examined at the local level, and others are predominately an issue at the regional level. For instance, ozone (O_3) is formed in the atmosphere in the presence of sunlight by a series of chemical reactions involving oxides of nitrogen (NO_x) and reactive organic gas (ROG) (also termed volatile organic compounds (VOCs)). Because these reactions are broad scale in effects, O_3 is typically analyzed at the regional level (i.e., in the SDAB) rather than the local level. On the other hand, air pollutants such as coarse particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), carbon monoxide (CO), and toxic air contaminants (TACs) are a potential concern in the immediate vicinity of the pollutant source because the pollutants are emitted directly by or are formed close to the source. Therefore, the study area for emissions of PM_{10} , $PM_{2.5}$, CO, and TACs is the local area near the source, such as in the vicinity of the Project Site, and the study area for regional pollutants such as NO_x and ROGs is the entire SDAB.

2.1.1 Meteorological and Topographical Conditions

Air quality is a function of the rate and location of pollutant emissions under the influence of meteorological conditions and topographic features that influence pollutant movement and dispersal. Atmospheric conditions such as wind speed, wind direction, atmospheric stability, and air temperature gradients interact with the physical features of the landscape to determine the movement and dispersal of air pollutants, and consequently affect air quality.

The weather of the San Diego region, as in most of Southern California, is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild, occasionally wet winters. The average temperature ranges (in degrees Fahrenheit) from the mid-40s to the high 90s. Most of the region's precipitation falls from November to April, with infrequent (approximately 10%) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains (WRCC 2016).

The topography in the San Diego region varies greatly, from beaches on the west to mountains and desert on the east; along with local meteorology, it influences the dispersal and movement of pollutants in the basin. The mountains to the east prohibit dispersal of pollutants in that direction and help trap them in inversion layers.

The interaction of ocean, land, and the Pacific High-Pressure Zone maintains clear skies for much of the year and influences the direction of prevailing winds (westerly to northwesterly). Local terrain is often the dominant factor inland, and winds in inland mountainous areas tend to blow through the valleys during the day and down the hills and valleys at night.

The SDAB experiences frequent temperature inversions. Subsidence inversions occur during the warmer months as descending air associated with the Pacific High-Pressure Zone meets cool marine air. The boundary between the two layers of air creates a temperature inversion that traps pollutants. The other type of inversion, a radiation inversion, develops on winter nights when air near the ground cools by heat radiation and air aloft remains warm. The shallow inversion layer formed between these two air masses also can trap pollutants. As the pollutants become more concentrated in the atmosphere, photochemical reactions occur that produce O₃, which contributes to the formation of smog. Smog is a combination of smoke and other particulates, O₃, hydrocarbons, oxides of nitrogen (NO_x) and other chemically reactive compounds which, under certain conditions of weather and sunlight, may result in a murky brown haze that causes adverse health effects (CARB 2023a).

Light daytime winds, predominantly from the west, further aggravate the condition by driving air pollutants inland, toward the mountains. During the fall and winter, air quality problems are created due to carbon monoxide (CO) and NO_x emissions. CO concentrations are generally higher in the morning and late evening. In the morning, CO levels are elevated due to cold temperatures and the large number of motor vehicles traveling. Higher CO levels during the late evenings are a result of stagnant atmospheric conditions trapping CO in the area. Since CO is produced almost entirely from automobiles, the highest CO concentrations in the SDAB are associated with heavy traffic. Nitrogen dioxide (NO₂) levels are also generally higher during fall and winter days.

Under certain conditions, atmospheric oscillation results in the offshore transport of air from the Los Angeles region to San Diego County. This often produces high O₃ concentrations, as measured at air pollutant monitoring stations within San Diego County. The transport of air pollutants from Los Angeles to San Diego has also occurred within the stable layer of the elevated subsidence inversion, where high levels of O₃ are transported.

2.1.2 Pollutants and Effects

2.1.2.1 Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include O₃, NO₂, CO, sulfur dioxide (SO₂), PM₁₀, PM_{2.5}, and lead. These pollutants are discussed in the following paragraphs.¹ In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants.

Ozone (O₃). O₃ is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O₃ precursors. These precursors are mainly NO_x and VOCs. The maximum effects of precursor emissions on O₃ concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O₃ formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O₃ exists in the upper atmosphere

¹ The following descriptions of health effects for each of the criteria air pollutants associated with project construction and operations are based on the U.S. Environmental Protection Agency's "Six Common Air Pollutants" (EPA 2022) and the California Air Resources Board's "Glossary of Air Pollutant Terms" (CARB 2023a) published information.

O₃ layer (stratospheric O₃) and at the Earth's surface in the troposphere.² The O₃ that the U.S. Environmental Protection Agency (EPA) and the CARB regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O₃ is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O₃. Stratospheric, or "good," O₃ occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the Earth's atmosphere. Without the protection of the beneficial stratospheric O₃ layer, plant and animal life would be seriously harmed.

O₃ in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013).

Inhalation of O₃ causes inflammation and irritation of the tissues lining human airways, causing and worsening a variety of symptoms. Exposure to O₃ can reduce the volume of air that the lungs breathe in, thereby causing shortness of breath. O₃ in sufficient doses increases the permeability of lung cells, rendering them more susceptible to toxins and microorganisms. The occurrence and severity of health effects from O₃ exposure vary widely among individuals, even when the dose and the duration of exposure are the same. Research shows adults and children who spend more time outdoors participating in vigorous physical activities are at greater risk from the harmful health effects of O₃ exposure. While there are relatively few studies on the effects of O₃ on children, the available studies show that children are no more or less likely to suffer harmful effects than adults. However, there are a number of reasons why children may be more susceptible to O₃ and other pollutants. Children and teens spend nearly twice as much time outdoors and engaged in vigorous activities as adults. Children breathe more rapidly than adults and inhale more pollution per pound of their body weight than adults. Also, children are less likely than adults to notice their own symptoms and avoid harmful exposures. Further research may be able to better distinguish between health effects in children and adults. Children, adolescents and adults who exercise or work outdoors, where O₃ concentrations are the highest, are at the greatest risk of harm from this pollutant (CARB 2023a).

Nitrogen Dioxide (NO₂). NO₂ is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO₂ in the atmosphere is the oxidation of the primary air pollutant nitric oxide (NO), which is a colorless, odorless gas. NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O₃. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources are transportation and stationary fuel combustion sources such as electric utility and industrial boilers.

NO₂ can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections (EPA 2022). A large body of health science literature indicates that exposure to NO₂ can induce adverse health effects. The strongest health evidence, and the health basis for the ambient air quality standards for NO₂, results from controlled human exposure studies that show that NO₂ exposure can intensify responses to allergens in allergic asthmatics. In addition, a number of epidemiological studies have demonstrated associations between NO₂ exposure and premature death, cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses. Infants and children are particularly at risk because they have disproportionately higher exposure to NO₂ than adults due to their greater breathing rate for their body weight and their typically greater outdoor exposure duration. Several studies have shown that long-term NO₂ exposure during childhood, the period of rapid lung growth, can lead to smaller lungs at

² The troposphere is the layer of the Earth's atmosphere nearest to the surface of the Earth. The troposphere extends outward about 5 miles at the poles and about 10 miles at the equator.

maturity in children with higher levels of exposure compared to children with lower exposure levels. In addition, children with asthma have a greater degree of airway responsiveness compared with adult asthmatics. In adults, the greatest risk is to people who have chronic respiratory diseases, such as asthma and chronic obstructive pulmonary disease (CARB 2023b).

Carbon Monoxide (CO). CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, such as the Project location, automobile exhaust accounts for the majority of CO emissions. CO is a non-reactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas from November to February. The highest levels of CO typically occur during the colder months of the year, when inversion conditions are more frequent.

CO is harmful because it binds to hemoglobin in the blood, reducing the ability of blood to carry oxygen. This interferes with oxygen delivery to the body's organs. The most common effects of CO exposure are fatigue, headaches, confusion and reduced mental alertness, light-headedness, and dizziness due to inadequate oxygen delivery to the brain. For people with cardiovascular disease, short-term CO exposure can further reduce their body's already compromised ability to respond to the increased oxygen demands of exercise, exertion, or stress. Inadequate oxygen delivery to the heart muscle leads to chest pain and decreased exercise tolerance. Unborn babies whose mothers experience high levels of CO exposure during pregnancy are at risk of adverse developmental effects. Unborn babies, infants, elderly people, and people with anemia or with a history of heart or respiratory disease are most likely to experience health effects with exposure to elevated levels of CO (CARB 2023c).

Sulfur Dioxide (SO₂). SO₂ is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO₂ are coal and oil used in power plants and industries; as such, the highest levels of SO₂ are generally found near large industrial complexes. In recent years, SO₂ concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO₂ and limits on the sulfur content of fuels.

Controlled human exposure and epidemiological studies show that children and adults with asthma are more likely to experience adverse responses with SO₂ exposure, compared with the non-asthmatic population. Effects at levels near the 1-hour standard are those of asthma exacerbation, including bronchoconstriction accompanied by symptoms of respiratory irritation such as wheezing, shortness of breath, and chest tightness, especially during exercise or physical activity. Also, exposure at elevated levels of SO₂ (above 1 parts per million [ppm]) results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality. Older people and people with cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most likely to experience these adverse effects (CARB 2023d).

SO₂ is of concern both because it is a direct respiratory irritant and because it contributes to the formation of sulfate and sulfuric acid in particulate matter (NRC 2005). People with asthma are of particular concern, both because they have increased baseline airflow resistance and because their SO₂-induced increase in airflow resistance is greater than in healthy people, and it increases with the severity of their asthma (NRC 2005). SO₂ is thought to induce airway constriction via neural reflexes involving irritant receptors in the airways (NRC 2005).

Particulate Matter (PM). Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. PM_{2.5} and PM₁₀ represent fractions of particulate matter. Coarse particulate matter (PM₁₀) consists of particulate matter that is 10 microns or less in diameter and is about 1/7 the thickness of a human hair. Major sources of PM₁₀ include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter (PM_{2.5}) consists of particulate matter that is 2.5 microns or less in diameter and is roughly 1/28 the diameter of a human hair. PM_{2.5} results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, PM_{2.5} can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and VOCs.

PM_{2.5} and PM₁₀ pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM_{2.5} and PM₁₀ can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the blood stream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases such as chlorides or ammonium into the lungs, also causing injury. Whereas PM₁₀ tends to collect in the upper portion of the respiratory system, PM_{2.5} is so tiny that it can penetrate deeper into the lungs and damage lung tissue. Suspended particulates also damage and discolor surfaces on which they settle and produce haze and reduce regional visibility.

A number of adverse health effects have been associated with exposure to both PM_{2.5} and PM₁₀. For PM_{2.5}, short-term exposures (up to 24-hour duration) have been associated with premature mortality, increased hospital admissions for heart or lung causes, acute and chronic bronchitis, asthma attacks, emergency room visits, respiratory symptoms, and restricted activity days. These adverse health effects have been reported primarily in infants, children, and older adults with preexisting heart or lung diseases. In addition, of all of the common air pollutants, PM_{2.5} is associated with the greatest proportion of adverse health effects related to air pollution, both in the United States and worldwide based on the World Health Organization's Global Burden of Disease Project. Short-term exposures to PM₁₀ have been associated primarily with worsening of respiratory diseases, including asthma and chronic obstructive pulmonary disease, leading to hospitalization and emergency department visits (CARB 2023e).

Long-term exposure (months to years) to PM_{2.5} has been linked to premature death, particularly in people who have chronic heart or lung diseases, and reduced lung function growth in children. The effects of long-term exposure to PM₁₀ are less clear, although several studies suggest a link between long-term PM₁₀ exposure and respiratory mortality. The International Agency for Research on Cancer published a review in 2015 that concluded that particulate matter in outdoor air pollution causes lung cancer (CARB 2023e).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including IQ performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Volatile Organic Compounds (VOCs). Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O₃ are referred to and regulated as VOCs (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry-cleaning solutions, and paint.

The primary health effects of VOCs result from the formation of O₃ and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs.

Sulfates. Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO₂ in the atmosphere and can result in respiratory impairment, as well as reduced visibility.

Vinyl Chloride. Vinyl chloride is a colorless gas with a mild, sweet odor, which has been detected near landfills, sewage plants, and hazardous waste sites, due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air can cause nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

Hydrogen Sulfide. Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

Visibility-Reducing Particles. Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the viewshed of natural scenery, reducing airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for PM_{2.5}.

2.1.2.2 Non-Criteria Pollutants

Toxic Air Contaminants (TACs). A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic noncancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the State of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics “Hot Spots” Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires stationary sources to report the types and quantities of certain substances

routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by several sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources such as automobiles; and area sources such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter (DPM). DPM is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70th the diameter of a human hair), and thus is a subset of PM_{2.5} (CARB 2023f). DPM is typically composed of carbon particles ("soot," also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2023f). CARB classified "particulate emissions from diesel-fueled engines" (i.e., DPM) as a TAC in August 1998 (17 CCR 93000). DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, and cars and off-road diesel engines including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, California Air Resources Board (CARB) adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of PM_{2.5}, DPM also contributes to the same non-cancer health effects as PM_{2.5} exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2023f). Those most vulnerable to non-cancer health effects are children whose lungs are still developing and the elderly who often have chronic health problems.

Odorous Compounds. Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting and headache). The ability to detect odors varies considerably among the population and overall is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

Valley Fever. Coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States.

San Diego County (County) is not considered a highly endemic region for Valley Fever, as the latest report from the County of San Diego Health and Human Services Agency Public Health Services indicated the County has 6.3 cases per 100,000 people (County of San Diego 2021). In the zip code area of the Project site (91910), the case rate is reported as 11.9 cases per 100,000 people (County of San Diego 2021).

2.1.3 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by the California Air Resources Board (CARB), include children, older adults, and people with cardiovascular and chronic respiratory diseases. According to the SDAPCD, sensitive receptors are those who are especially susceptible to adverse health effects from exposure to toxic air contaminants, such as children, the elderly, and the ill. Sensitive receptors include residences, schools (grades Kindergarten through 12), libraries, day care centers, nursing homes, retirement homes, health clinics, and hospitals within 2 kilometers of the facility (SDAPCD 2022a). The closest sensitive receptors to the project site are existing multi-family residences east of I-5, east of the project site's boundaries.

Sensitive receptors located within 1,000 feet of the project site include:

- Multi-family residences east of I-5, approximately 430 feet east of the project site's eastern boundary. (closest sensitive receptor)
- Holiday Gardens multi-family residences, east of I-5, approximately 640 feet east of the project site's eastern boundary.
- Cabrillo Mobile Home Lodge east of I-5, approximately 435 feet northeast of the project site's eastern boundary.
- Bison Mobile Home Park east of I-5, approximately 560 feet southeast of project site's eastern boundary.

In addition, Mueller Charter School is located 1,130 feet southeast of project site's eastern boundary.

2.2 Regulatory Setting

2.2.1 Federal

2.2.1.1 Criteria Pollutants

The federal Clean Air Act (CAA), passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. The U.S. Environmental Protection Agency (EPA) is responsible for implementing most aspects of the Clean Air Act (CAA), including the setting of National Ambient Air Quality Standards (NAAQS) for major air pollutants, hazardous air pollutant (HAP) standards, approval of state attainment plans, motor vehicle emission standards, stationary source emission standards and permits, acid rain control measures, stratospheric ozone (O₃) protection, and enforcement provisions.

NAAQS are established by the EPA for "criteria pollutants" under the CAA, which are O₃, carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), coarse particulate matter (PM₁₀), fine particulate matter (PM_{2.5}), and lead. The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The CAA requires the EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a state implementation plan (SIP) that demonstrates how those areas will attain the standards within mandated time frames.

2.2.1.2 Hazardous Air Pollutants

The 1977 CAA Amendments required the EPA to identify national emission standards for hazardous air pollutants to protect the public health and welfare. HAPs include certain volatile organic chemicals, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 CAA Amendments, which expanded the control program for HAPs, 189 substances and chemical families were identified as HAPs.

2.2.2 State

2.2.2.1 Criteria Pollutants

The California Clean Air Act was adopted in 1988 and establishes the state’s air quality goals, planning mechanisms, regulatory strategies, and standards of progress. Under the California Clean Air Act, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB is responsible for ensuring implementation of the California Clean Air Act, responding to the federal CAA, and regulating emissions from motor vehicles and consumer products. Pursuant to the authority granted to it, CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS.

The NAAQS and CAAQS are presented in Table 2-1.

Table 2-1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
O ₃	1 hour	0.09 ppm (180 µg/m ³)	—	Same as primary standard ^f
	8 hours	0.070 ppm (137 µg/m ³)	0.070 ppm (137 µg/m ³) ^f	
NO ₂ ^g	1 hour	0.18 ppm (339 µg/m ³)	0.100 ppm (188 µg/m ³)	Same as primary standard
	Annual arithmetic mean	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	
CO	1 hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	None
	8 hours	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	
SO ₂ ^h	1 hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m ³)
	24 hours	0.04 ppm (105 µg/m ³)	0.14 ppm (for certain areas) ^g	—
	Annual	—	0.030 ppm (for certain areas) ^g	—
PM ₁₀ ⁱ	24 hours	50 µg/m ³	150 µg/m ³	

Table 2-1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
	Annual arithmetic mean	20 µg/m ³	—	Same as primary standard
PM _{2.5} ⁱ	24 hours	—	35 µg/m ³	Same as primary standard
	Annual arithmetic mean	12 µg/m ³	9.0 µg/m ³	15.0 µg/m ³
Lead ^{j, k}	30-day average	1.5 µg/m ³	—	—
	Calendar quarter	—	1.5 µg/m ³ (for certain areas) ^k	Same as primary standard
	Rolling 3-month average	—	0.15 µg/m ³	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m ³)	—	—
Vinyl chloride ^l	24 hours	0.01 ppm (26 µg/m ³)	—	—
Sulfates	24- hours	25 µg/m ³	—	—
Visibility reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70%	—	—

Source: CARB 2016.

Notes: O₃ = ozone; ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; NO₂ = nitrogen dioxide; CO = carbon monoxide; mg/m³= milligrams per cubic meter; SO₂ = sulfur dioxide; PM₁₀ = particulate matter with an aerodynamic diameter less than or equal to 10 microns; PM_{2.5} = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns.

^a California standards for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, suspended particulate matter (PM₁₀, PM_{2.5}), and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. CAAQS are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

^b National standards (other than O₃, NO₂, SO₂, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O₃ standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than 1. For PM_{2.5}, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

^c Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on a reference temperature of 25° Celsius (°C) and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

^d National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

^e National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

^f On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

- g To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- h On June 2, 2010, a new 1-hour SO₂ standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the national 1-hour standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
- i On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.
- j CARB has identified lead and vinyl chloride as TACs with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- k The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until 1 year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

Ambient Air Quality Monitoring Data

SDAPCD operates a network of ambient air monitoring stations throughout the County, which measure ambient concentrations of pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. SDAPCD monitors air quality conditions at 10 locations throughout the basin. The Chula Vista monitoring station, approximately 5 miles east of the project site represents the closest monitoring station to the project site for concentrations for O₃, PM₁₀, PM_{2.5}, and NO₂. The closest monitoring station for CO is the El Cajon monitoring station. The Lexington Elementary School monitoring station is the only station measuring and SO₂ in San Diego County. Ambient concentrations of pollutants from 2020 through 2022 are presented in Table 2-2.

Table 2-2. Local Ambient Air Quality Data

Monitoring Station	Unit	Averaging Time	Agency/ Method	AAQS	Measured Concentration by Year			Exceedances by Year		
					2020	2021	2022	2020	2021	2022
Ozone (O₃)										
Chula Vista	ppm	Maximum 1-hour concentration	State	0.09	0.106	0.084	0.078	1	0	0
			Federal	0.070	0.086	0.067	0.067	4	0	0
	ppm	Maximum 8-hour concentration	Federal	0.070	0.086	0.066	0.066	4	0	0
Nitrogen Dioxide (NO₂)										
Chula Vista	ppm	Maximum 1-hour concentration	State	0.18	0.045	0.041	0.052	0	0	0
			Federal	0.100	0.045	0.041	0.052	0	0	0
	ppm	Annual concentration	State	0.030	0.009	0.008	0.009	0	0	0
			Federal	0.053	0.008	0.007	0.009	0	0	0
Carbon Monoxide (CO)										
El Cajon	ppm		State	20	3.3	3.0	2.2	0	0	0

Table 2-2. Local Ambient Air Quality Data

Monitoring Station	Unit	Averaging Time	Agency/ Method	AAQS	Measured Concentration by Year			Exceedances by Year		
					2020	2021	2022	2020	2021	2022
		Maximum 1-hour concentration	Federal	35	1.7	1.8	1.2	0	0	0
	ppm	Maximum 8-hour concentration	State	9.0	3.3	3.0	2.2	0	0	0
			Federal	9	1.7	1.8	1.2	0	0	0
Sulfur Dioxide (SO₂)										
Lexington Elementary School	ppm	Maximum 1-hour concentration	Federal	0.075	0.002	0.002	0.001	0	0	0
	ppm	Maximum 24-hour concentration	State	0.04	0.000	0.000	0.000	0	0	0
			Federal	0.140	0.000	0.000	0.000	0	0	0
ppm	Annual concentration	Federal	0.030	0.000	0.000	0.000	0	0	0	
Coarse Particulate Matter (PM₁₀)^a										
Chula Vista	µg/m ³	Maximum 24-hour concentration	State	50	68	46	38	ND	ND	ND
			Federal	150	68	46	38	0	0	0
	µg/m ³	Annual concentration	State	20	24.8	23.9	22.9	ND	ND	ND
Fine Particulate Matter (PM_{2.5})^a										
Chula Vista	µg/m ³	Maximum 24-hour concentration	Federal	35	46.7	24.9	16.2	2	0	0
			State	12	10.7	9.5	8.44	ND	ND	ND
	Federal	12.0									10.7	9.5	8.44	2	0	0

Sources: CARB 2023g, SDAPCD 2020, SDAPCD 2021, SDAPCD 2022b

Notes: ppm = parts per million; – = not available or applicable; µg/m³ = micrograms per cubic meter; ND = insufficient data available to determine the value.

Data taken from CARB iADAM (<http://www.arb.ca.gov/adam>) and EPA AirData (<http://www.epa.gov/airdata/>) represent the highest concentrations experienced over a given year.

Exceedances of federal and state standards are only shown for O₃ and particulate matter. Daily exceedances for particulate matter are estimated days because PM₁₀ and PM_{2.5} are not monitored daily. All other criteria pollutants did not exceed federal or state standards during the years shown. There is no federal standard for 1-hour O₃, annual PM₁₀, or 24-hour SO₂, nor is there a state 24-hour standard for PM_{2.5}.

The Camp Pendleton monitoring station is located at 21441-W B Street, Oceanside, California.

The Rancho Carmel Drive monitoring station is located at 11403 Rancho Carmel Drive, San Diego.

The El Cajon monitoring station is located at 10537 Floyd Smith Drive, El Cajon, California.

^a Measurements of PM₁₀ and PM_{2.5} are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.

SDAB Attainment Designation

Pursuant to the 1990 CAA Amendments, EPA classifies air basins (or portions thereof) as “attainment” or “nonattainment” for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as “attainment” for that pollutant. If an area exceeds the standard, the area is classified as “nonattainment” for that pollutant. As previously discussed, these standards are set by EPA or CARB for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as “unclassified” or “unclassifiable.”

The designation of “unclassifiable/attainment” means that the area meets the standard or is expected to meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are redesignated as maintenance areas and must have approved maintenance plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as “attainment” or “nonattainment,” but based on the CAAQS rather than the NAAQS.

Table 2-3 summarizes SDAB’s federal and state attainment designations for each of the criteria pollutants.

Table 2-3. SDAB Attainment Designation

Pollutant	Federal Designation	State Designation
O ₃ (8-hour)	Nonattainment	Nonattainment
O ₃ (1-hour)	Attainment ^a	Nonattainment
CO	Attainment	Attainment
PM ₁₀	Unclassifiable ^b	Nonattainment
PM _{2.5}	Attainment	Nonattainment ^c
NO ₂	Attainment	Attainment
SO ₂	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	(No federal standard)	Attainment
Hydrogen sulfide	(No federal standard)	Unclassified
Visibility-reducing particles	(No federal standard)	Unclassified
Vinyl chloride	(No federal standard)	No designation

Sources: SDAPCD 2022c, CARB 2023h

Definitions: attainment = meets the standards; nonattainment = does not meet the standards; unclassified or unclassifiable = insufficient data to classify

Notes: SDAB = San Diego; O₃ = ozone; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; NO₂ = nitrogen dioxide; SO₂ = sulfur dioxide.

- ^a The federal 1-hour standard of 0.12 parts per million (ppm) was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in SIPs.
- ^b At the time of designation, if the available data does not support a designation of attainment or nonattainment, the area is designated as unclassifiable.
- ^c CARB has not reclassified the region to attainment yet due to (1) incomplete data, and (2) the use of non-California Approved Samplers (CAS). While data collected does meet the requirements for designation of attainment with federal PM_{2.5} standards, the data completeness requirements for state PM_{2.5} standards substantially exceed federal requirements and mandates, and have historically not been feasible for most air districts to adhere to given local resources. APCD has begun replacing most regional filter-based PM_{2.5} monitors as they reach the end of their useful life with continuous PM_{2.5} air monitors to ensure collected data meets stringent completeness requirements in the future. APCD anticipates these new monitors will be approved as "CAS" monitors once CARB review the list of approved monitors, which has not been updated since 2013.

2.2.2.2 Toxic Air Contaminants

The state Air Toxics Program was established in 1983 under AB 1807 (Tanner). The California TAC list identifies more than 200 pollutants, of which carcinogenic and noncarcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) HAPs. The Air Toxics “Hot Spots” Information and Assessment Act of 1987 (AB 2588) seeks to identify and evaluate risk from air toxics sources; however, AB 2588 does not regulate air toxics emissions. TAC emissions from individual facilities are quantified and prioritized. “High-priority” facilities are required to perform a health risk assessment (HRA), and if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment program. All of these regulations and programs have timetables by which manufacturers must comply and existing operators must upgrade their diesel powered equipment. Several Airborne Toxic Control Measures that reduce diesel emissions including In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

Idling of Commercial Heavy-Duty Trucks (13 CCR 2485)

In July 2004, CARB adopted an ATCM to control emissions from idling trucks. The ATCM prohibits idling for more than five minutes for all commercial trucks with a gross vehicle weight rating over 10,000 pounds. The ATCM contains an exception that allows trucks to idle while queuing or involved in operational activities.

In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.)

In July 2007, CARB adopted an ATCM for in-use off-road diesel vehicles. This regulation requires that specific fleet average requirements are met for NO_x emissions and for particulate matter emissions. Where average requirements cannot be met, best available control technology requirements apply. The regulation also includes several recordkeeping and reporting requirements.

In response to AB 8 2X, the regulations were revised in July 2009 (effective December 3, 2009) to allow a partial postponement of the compliance schedule in 2011 and 2012 for existing fleets. On December 17, 2010, CARB adopted additional revisions to further delay the deadlines reflecting reductions in diesel emissions due to the poor economy and overestimates of diesel emissions in California. The revisions delayed the first compliance date until no earlier than January 1, 2014, for large fleets, with final compliance by January 1, 2023. The compliance dates for medium fleets were delayed until an initial date of January 1, 2017, and final compliance date of January 1, 2023. The compliance dates for small fleets were delayed until an initial date of January 1, 2019, and final compliance date of January 1, 2028. Correspondingly, the fleet average targets were made more stringent in future compliance years. The revisions also accelerated the phaseout of older equipment with newer equipment added to existing large and medium fleets over time, requiring the addition of Tier 2 or higher engines starting on March 1, 2011, with some exceptions: Tier 2 or higher engines on January 1, 2013, without exception; and Tier 3 or higher engines on January 1, 2018 (January 1, 2023, for small fleets).

On October 28, 2011 (effective December 14, 2011), the Executive Officer approved amendments to the regulation. The amendments included revisions to the applicability section and additions and revisions to the definition. The initial date for requiring the addition of Tier 2 or higher engines for large and medium fleets, with some exceptions, was revised to January 1, 2012. New provisions also allow for the removal of emission control devices for safety or visibility purposes. The regulation also was amended to combine the particulate matter and NO_x fleet average targets under one, instead of two, sections. The amended fleet average targets are based on the fleet's NO_x fleet average, and the previous section regarding particulate matter performance requirements was deleted completely. The best available control technology requirements, if a fleet cannot comply with the fleet average requirements, were restructured and clarified. Other amendments to the regulations included minor administrative changes to the regulatory text.

In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025)

On December 12, 2008, CARB adopted an ATCM to reduce NO_x and particulate matter emissions from most in-use on-road diesel trucks and buses with a gross vehicle weight rating greater than 14,000 pounds. The original ATCM regulation required fleets of on-road trucks to limit their NO_x and particulate matter emissions through a combination of exhaust retrofit equipment and new vehicles. The regulation limited particulate matter emissions for most fleets by 2011, and limited NO_x emissions for most fleets by 2013. The regulation did not require any vehicle to be replaced before 2012 and never required all vehicles in a fleet be replaced.

In December 2009, the CARB Governing Board directed staff to evaluate amendments that would provide additional flexibility for fleets adversely affected by the struggling California economy. On December 17, 2010, CARB revised this ATCM to delay its implementation along with limited relaxation of its requirements. Starting on January 1, 2015, lighter trucks with a gross vehicle weight rating of 14,001 to 26,000 pounds with 20-year-old or older engines need to be replaced with newer trucks (2010 model year emissions equivalent as defined in the regulation). Trucks with a gross vehicle weight rating greater than 26,000 pounds with 1995 model year or older engines needed to be replaced as of January 1, 2015. Trucks with 1996 to 2006 model year engines must install a Level 3 (85% control) diesel particulate filter starting on January 1, 2012, to January 1, 2014, depending on the model year, and then must be replaced after eight years. Trucks with 2007 to 2009 model year engines have no requirements until 2023, at which time they must be replaced with 2010 model year emissions-equivalent engines, as defined in the regulation. Trucks with 2010 model year engines would meet the final compliance requirements. The ATCM provides a phase-in option under which a fleet operator would equip a percentage of trucks in the fleet with diesel particulate filters, starting at 30% as of January 1, 2012, with 100% by January 1, 2016. Under each option, delayed compliance is granted to fleet operators who have or will comply with requirements before the required deadlines.

On September 19, 2011 (effective December 14, 2011), the Executive Officer approved amendments to the regulations, including revisions to the compliance schedule for vehicles with a gross vehicle weight rating of 26,000 pounds or less to clarify that *all* vehicles must be equipped with 2010 model year emissions equivalent engines by 2023. The amendments included revised and additional credits for fleets that have downsized; implement early particulate matter retrofits; incorporate hybrid vehicles, alternative-fueled vehicles, and vehicles with heavy-duty pilot ignition engines; and implement early addition of newer vehicles. The amendments included provisions for additional flexibility, such as for low-usage construction trucks, and revisions to previous exemptions, delays, and extensions. Other amendments to the regulations included minor administrative changes to the regulatory text, such as recordkeeping and reporting requirements related to other revisions.

California Health and Safety Code Section 41700

Section 41700 of the Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

2.2.3 Local

2.2.3.1 San Diego Air Pollution Control District

While CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The project site is located within the SDAB, which is under the jurisdiction of the SDAPCD, and is therefore, subject to the guidelines and regulations of SDAPCD. Federal and State attainment plans adopted by the SDAPCD are summarized below.

Federal Attainment Plans

SDAPCD has prepared the 2020 Plan for Attaining the National Ambient Air Quality Standards for Ozone in San Diego County (2020 Attainment Plan) that demonstrates how the region will further reduce air pollutant emissions to attain the current NAAQS for ozone. The 2020 Attainment Plan was approved by the SDAPCD on October 14, 2020. On November 19, 2020, CARB adopted the 2020 Attainment Plan for attaining the Federal 8-hour 75 ppb and 70 ppb Ozone standards and projects attainment for the standards by 2026 and 2032, respectively (SDAPCD 2020a). The 2020 Attainment Plan will be submitted to the EPA as a revision to the California State Implementation Plan (SIP) for attaining the ozone NAAQS.

In December 2016, the SDAPCD adopted an update to the Eight-Hour Ozone Attainment Plan for San Diego County (2008 O₃ NAAQS). The 2016 Final Eight-Hour Ozone Attainment Plan for San Diego County indicates that local controls and state programs would allow the region to reach attainment of the federal 8-hour O₃ standard (1997 O₃ NAAQS) by 2018 (SDAPCD 2016a). In this plan, SDAPCD relies on the Regional Air Quality Strategy (RAQS) to demonstrate how the region will comply with the federal O₃ standard. The RAQS details how the region will manage and reduce O₃ precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these pollutants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and EPA. Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS.

Currently, the County is designated as moderate nonattainment for the 2008 O₃ NAAQS and maintenance for the 1997 O₃ NAAQS. As documented in the 2016 Final Eight-Hour Ozone Attainment Plan for San Diego County, the County has a likely chance of obtaining attainment due to the transition to low emission cars, stricter new source review rules, and continuing the requirement of general conformity for military growth and the San Diego International Airport. SDAPCD will also continue emission control measures including ongoing implementation of existing regulations in ozone precursor reduction to stationary and area-wide sources, subsequent inspections of

facilities and sources, and the adoption of laws requiring Best Available Retrofit Control Technology for control of emissions (SDAPCD 2016a).

State Attainment Plans

SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The RAQS for the SDAB was initially adopted in 1991 and is updated every 3 years. The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for O₃. The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County and the cities in the County, to forecast future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of the development of their general plans (SANDAG 2021).

On March 9, 2023, SDAPCD adopted the 2022 Regional Air Quality Strategy (RAQS). The RAQS plan demonstrates how the San Diego region will further reduce air pollution emissions to meet state health-based standards for ground-level O₃. The 2022 RAQS guides the SDAPCD in deploying tools, strategies, and resources to continue reducing pollutants that are precursors to ground-level O₃, including NO_x and VOC. The 2022 RAQS emphasizes O₃ control measures but also identifies complementary measures and strategies that can reduce emissions of Greenhouse Gases (GHGs) and PM. It also includes new analyses exploring O₃ and its relationship to public health, mobile sources, under-resourced communities, and GHGs and climate change (SANDAG 2023). Further, the 2022 RAQS identifies strategies to expand SDAPCD regional partnerships, identify more opportunities to engage the public and communities of concern, and integrate environmental justice and equity across all proposed measures and strategies.

Regarding particulate matter emissions reduction efforts, in December 2005, SDAPCD prepared a report titled "Measures to Reduce Particulate Matter in San Diego County" to address implementation of Senate Bill (SB) 656 in San Diego County (SB 656 required additional controls to reduce ambient concentrations of PM₁₀ and PM_{2.5}) (SDAPCD 2005). In the report, SDAPCD evaluated the implementation of source-control measures that would reduce particulate matter emissions associated with residential wood combustion; various construction activities including earthmoving, demolition, and grading; bulk material storage and handling; carryout and trackout removal and cleanup methods; inactive disturbed land; disturbed open areas; unpaved parking lots/staging areas; unpaved roads; and windblown dust (SDAPCD 2005).

SDAPCD Rules and Regulations

As stated previously, SDAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SDAB. The following rules and regulations apply to all sources in the jurisdiction of SDAPCD:

- **SDAPCD Regulation II: Rule 10: Permits Required.** Requires an Authority to Construct and Permit to Operate for new stationary sources of air pollution (SDAPCD 1996).
- **SDAPCD Regulation IV: Prohibitions; Rule 50: Visible Emissions.** Prohibits any activity causing air contaminant emissions darker than 20% opacity for more than an aggregate of 3 minutes in any consecutive 60-minute time period. In addition, Rule 50 prohibits any diesel pile-driving hammer activity

causing air contaminant emissions for a period or periods aggregating more than 4 minutes during the driving of a single pile (SDAPCD 1997).

- **SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance.** Prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property (SDAPCD 1976).
- **SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust.** Regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project site (SDAPCD 2009).
- **SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings.** Requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015a).
- **SDAPCD Regulation IV: Prohibitions; Rule 67.7: Cutback and Emulsified Asphalts.** This rule prohibits manufacturers, distributors, and end users of cutback and emulsified asphalt materials for the paving, construction or maintenance of parking lots, driveways, streets and highways from applying asphalt material or road oils which contain more than 0.5 percent by volume VOC which evaporate at 260° C (500° F) or less (SDAPCD 1979).

2.2.3.2 San Diego Association of Governments

SANDAG is the regional planning agency for the County and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SANDAG serves as the federally designated metropolitan planning organization for the County. With respect to air quality planning and other regional issues, SANDAG has prepared San Diego Forward: The Regional Plan (Regional Plan) for the San Diego region (SANDAG 2015). The Regional Plan combines the big-picture vision for how the region will grow over the next 35 years with an implementation program to help make that vision a reality. The Regional Plan, including its Sustainable Communities Strategy (SCS), is built on an integrated set of public policies, strategies, and investments to maintain, manage, and improve the transportation system so that it meets the diverse needs of the San Diego region through 2050. The Regional Plan was updated in 2021, which was the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies (SANDAG 2021). The 2021 Regional Plan includes a SCS, which describes coordinated transportation and land use planning that exceeds the state's target for reducing per capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan achieves a 20% reduction by then. The 2021 Regional Plan also puts forth a forecasted development pattern that is driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity.

2.2.3.3 City of Chula Vista

General Plan

The City of Chula Vista General Plan was updated by the City on December 13, 2005, and most recently amended in 2020. The General Plan provides a long-term strategy to address planning issues for the growth and development of the City and is composed of the following six elements: land use and transportation, economic development, public facilities and services, growth management, environmental, and housing (City of Chula Vista 2005). The project site is located in the Bayfront Planning Area and Harbor District subarea of the General Plan (City of Chula Vista 2005). The policies for improving air quality in the General Plan are as follows:

Land Use and Transportation Element

Policy LUT-23.1: Encourage the use of bicycles and walking as alternatives to driving.

Policy LUT-23.2: Foster the development of a system of inter-connecting bicycle routes throughout the City and region.

Policy LUT-23.5: Provide linkages between bicycle facilities that utilize circulation element alignments and open space corridors.

Policy LUT-23.8: Provide and maintain a safe and efficient system of sidewalks, trails, and pedestrian crossings.

Policy LUT-23.14: Require new development projects to provide internal bikeway systems with connections to the citywide bicycle networks.

Environmental Element

Policy E 6.1: Encourage compact development featuring a mix of uses that locate residential areas within reasonable walking distance to jobs, services, and transit.

Policy E 6.2: Promote and facilitate transit system improvements in order to increase transit use and reduce dependency on the automobile.

Policy E 6.3: Facilitate the use of alternative fuel and low- and zero-emission vehicles and equipment in the community.

Policy E 6.4: Do not site new or re-powered fossil-fueled baseload or peaking-type Electric Generating Facilities and other major toxic emitters within 1,000 feet of sensitive receptors, or site sensitive receptors within 1,000 feet of such facilities.

Policy E 6.5: Ensure Electrical Generating Facilities incorporate cleaner fuel sources and least polluting technologies in order to help transition the City to a less fossil fuel- dependent future, while meeting Chula Vista's energy demand.

- Policy E 6.6: Explore incentives to promote voluntary air pollutant reductions, including incentives for developers who go above and beyond applicable requirements and for facilities and operations that are not otherwise regulated.
- Policy E 6.7: Encourage innovative energy conservation practices and air quality improvements in new development and redevelopment projects consistent with the City's Air Quality Improvement Plan Guidelines or its equivalent, pursuant to the City's Growth Management Program.
- Policy E 6.8: Encourage climate resilient design techniques in new buildings and infrastructure to reduce future risks from climate change-related impacts such as wildfires, extreme heat, and flooding.
- Policy E 6.9: Discourage the use of landscaping equipment powered by two-stroke gasoline engines within the City and promote less-polluting alternatives to their use.
- Policy E 6.10: The siting of new sensitive receivers within 500 feet of highways resulting from development or redevelopment projects shall require the preparation of a health risk assessment as part of the CEQA review of the project. Attendant health risks identified in the Health Risk Assessment (HRA) shall be feasibly mitigated to the maximum extent practicable, in accordance with CEQA, in order to help ensure that applicable federal and state standards are not exceeded.
- Policy E 6.11: Develop strategies to minimize CO hot spots that address all modes of transportation.
- Policy E 6.12: Promote clean fuel sources that help reduce the exposure of sensitive uses to pollutants.
- Policy E 6.13: Encourage programs and infrastructure to increase the availability and usage of energy-efficient vehicles, such as hybrid electric vehicles, electric vehicles, or those that run on alternative fuels.
- Policy E 6.14: Transition the City fleet to 100% "clean" vehicles by integrating hybrid and alternative fuel vehicles as current municipal fleet vehicles are replaced.
- Policy E 6.15: Site industries: and other stationary emitters in a way that minimizes the potential impacts of poor air quality on homes, schools, hospitals, and other land uses where people congregate, and disadvantaged populations.
- Policy E 6.16: Encourage the use of bicycles through support of bike share opportunities, community bike programs, and the provision of bicycle parking opportunities such as bike racks and bike lockers.
- Policy E 6.B.1: Protect and develop shade tree cover along streets and within parking lots as a priority, particularly in new developments or tree-deficient areas.
- Policy E 6.B.2: Preferentially plant female street trees to reduce pollen, especially in the most populated areas.
- Policy E 6.B.3: Prioritize natural filtration, as opposed to impermeable hardscaping, within new development projects, along roadways, and adjacent to stream and river banks.

Policy E 6.B.4: Update the building code to support best practices in “green building” design, construction, and operations.

Policy E 6.B.5: Provide fast-track permitting for projects that implement “green building” design and construction.

Policy E 6.B.6: Encourage or require all new building construction to incorporate green roofs and encourage conversions of existing roof space to green roofs to reduce heat island effect.

Climate Action Plan

In September 2017, the City adopted its most recent Climate Action Plan (CAP). The CAP includes goals and policies to strengthen the City’s climate action efforts that have been underway since 2000.

Chula Vista Bayfront Specific Plan

Chapter 19.81 of the CVMC defines the scope and purpose of the Bayfront Specific Plan. This chapter of the CVMC is intended to implement the Chula Vista General Plan and the Chula Vista Local Coastal Program (LCP) Land Use Plan (LUP) and their goals, objectives, and policies. Chapter 19.84 of the CVMC provides for the classification of land use and the regulation of development by land use and zoning parcel. The project is zoned as Industrial in the Bayfront Specific Plan. Chapter 19.85 of the CVMC outlines the development criteria for the Bayfront Specific Plan.

Chula Vista Bayfront Local Coastal Program Land Use Plan

The Chula Vista Bayfront LCP Amendment Bayfront Specific Plan was adopted in 2012 and amended in 2017. It governs the development of 722 acres of the City’s bayfront. The LCP provides a detailed plan for the orderly growth, development, redevelopment, and conservation of the City jurisdictional parcels located within the Chula Vista Bayfront coastal area. Each coastal city and county’s LCP is required to be pursuant to the California Coastal Act and approved by the California Coastal Commission. This LCP is consistent with the City General Plan and represents a step toward systematic implementation of the General Plan in the bayfront. The LUP provides land use and development policies to ensure that development within the bayfront will be consistent with the provisions of the California Coastal Act. The project site is within the Harbor District subarea, described in the LCP. The LUP outlines objectives and policies as the standard review for coastal development permits (City of Chula Vista 2012).

2.3 Significance Criteria and Methodology

2.3.1 Thresholds of Significance

The significance criteria used to evaluate the Project impacts to air quality is based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this air quality analysis, a significant impact would occur if the Project would (14 CCR 15000 et seq.):

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.

4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether the Project would have a significant impact on air quality.

2.3.2 South Coast Air Quality Management District

The City of Chula Vista has chosen to use emissions-based thresholds from the SCAQMD to address the significance of air quality impacts resulting from projects subject to CEQA environmental review. A project would result in a substantial contribution to an existing air quality violation of the National Ambient Air Quality Standards (NAAQS) or California Ambient Air Quality Standards (CAAQS) for O₃, which is a nonattainment pollutant, if the project’s construction emissions would exceed SCAQMD’s VOC or NO_x significance thresholds shown in Table 2-4. These emission-based thresholds for O₃ precursors are intended to serve as a surrogate for an “ozone significance threshold” (i.e., the potential for adverse O₃ impacts to occur) because O₃ itself is not emitted directly, and the effects of an individual project’s emissions of O₃ precursors (VOC and NO_x) on O₃ levels in ambient air cannot be determined through air quality models or other quantitative methods.

Table 2-4. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	Construction (Pounds per Day)	Operation (Pounds per Day)
VOCs	75	55
NO _x	100	55
CO	550	550
SO _x	150	150
PM ₁₀	150	150
PM _{2.5}	55	55
Lead ^a	3	3

Source: SCAQMD, March 2023

Notes: SCAQMD = South Coast Air Quality Management District; VOCs = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

GHG emissions thresholds for industrial proposed projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not included in Table 2-4 as they will be addressed within the GHG emissions analysis and not the air quality study.

^a The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

2.3.3 Approach and Methodology

The California Emissions Estimator Model (CalEEMod) Version 2022.1 was used to estimate emissions from construction and operation of the project (CAPCOA 2022) as well as existing emissions. CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant and GHG emissions associated with construction activities and operation of a variety of land use projects, such as residential, commercial, and industrial facilities. CalEEMod input parameters, including the land use type used to

represent the project and its size, construction schedule, and anticipated use of construction equipment, were based on information provided by the project applicant and default model assumptions if project specifics were unavailable. Table 2-5 provides a summary of the land use inputs included in the CalEEMod modeling for construction and operation of the project.

Table 2-5. CalEEMod Land Use Development Summary for the Proposed Project

Planning Area	Project Component	CalEEMod Land Use Type	Land Use Amount (Size)	Land Use Size Metric	Building Square Footage	Land Use Acreage
A	Industrial/Business Park (w/commercial)	Industrial Park	198	ksf	198,000	9.29
	Parking	Parking Lot	2	Ac	0	
	Trucks associated with business park uses	User Defined Commercial	1	User Defined	0	0
B-1	Industrial/Business Park (w/commercial)	Industrial Park	470	ksf	470,000	26.13
	Parking	Parking Lot	793	sp	0	
	Miscellaneous surface areas (walkways, landscaped slopes, loading/unloading areas, etc.)	Other Asphalt Surfaces	8.2	ac	0	
	Trucks associated with business park uses	User Defined Industrial	1	User Defined	0	0
B-2	Resort Hotel	Hotel	175	rm	254,100	9.36
	Quality Restaurant	Quality Restaurant	36	Ksf	36,000	
	Parking	Parking Lot	2	ac	0	

Notes: ksf = 1,000 square feet; ac = acre, rm = rooms, sp = parking space

As noted previously, the project site is being redeveloped. Planning Area A will not have any construction emissions associated but will re-purpose the existing building through a rezoning. Table 2-6 provides a summary of the existing land uses on the project site and the CalEEMod parameters used to estimate existing emissions.

Table 2-6. CalEEMod Land Use Development Summary for the Existing Site

Planning Area	Existing Uses	CalEEMod Land Use Type	Land Use Amount (Size)	Land Use Size Metric	Building Square Footage	Land Use Acreage
A	Warehousing	Warehouse	231.174	ksf	231,174	9.29
B-1	Manufacturing/Assembly	Manufacturing	601.225	ksf	601,225	26.13

Table 2-6. CalEEMod Land Use Development Summary for the Existing Site

Planning Area	Existing Uses	CalEEMod Land Use Type	Land Use Amount (Size)	Land Use Size Metric	Building Square Footage	Land Use Acreage
B-2	Manufacturing/Assembly	Manufacturing	165,612	ksf	165,612	9.36

Notes: Manufacturing uses on Planning Areas B-1 and B-2 continued as recently as 2020.

2.3.3.1 Construction Emissions

Criteria air pollutant emissions associated with construction of the project were estimated using CalEEMod for the following emission sources: operation of off-road construction equipment, fugitive dust, VOC off-gassing from paving and architectural coating, on-road hauling, and vendor (material delivery) trucks, and worker vehicles. Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on CalEEMod default values with an estimated construction start date in August 2024 and buildout completed in September 2029. As noted previously, Planning Area A is already built-out and is only requiring rezoning. Accordingly, no construction emissions for Planning Area A have been estimated and included in the analysis.

Table 2-7 provides a summary of the project construction schedule. The construction schedule used in the analysis represents a “worst-case” analysis scenario since emission factors for construction equipment decrease as the analysis year increases due to improvements in technology and more stringent regulatory requirements. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required pursuant to CEQA guidelines.

Table 2-7. Project Construction Schedule

Planning Area	Construction Task	Start Date	End Date	Workdays
B-1	Site Preparation	8/5/2024	8/30/2024	20
	Grading	9/2/2024	11/1/2024	45
	Building Construction	11/4/2024	7/10/2026	440
	Paving	7/13/2026	8/28/2026	35
	Architectural Coating	8/31/2026	10/16/2026	35
B-2	Grading	8/1/2028	8/28/2028	20
	Building Construction	8/29/2028	7/16/2029	230
	Paving	7/17/2029	8/13/2029	20
	Architectural Coating	8/14/2029	9/10/2029	20

Source: CalEEMod, Appendix A

CalEEMod default trip length values were used for the distances for worker (11.97 miles), vendor truck (7.63 miles), and haul truck trips (20 miles). In addition, it was assumed that one onsite truck would be present to water exposed and unpaved roads on the project site. The water truck was assumed to water surfaces and unpaved roads up to two times per day with up to 0.25 mile per onsite trip. It was also assumed that heavy construction equipment would be operating at the site for approximately 5 days per week (22 days per month) during project construction.

Construction scenario assumptions, including phasing, vehicle trips, and equipment mix, used for estimating project-generated construction emissions are shown in Table 2-8.

Table 2-8. Construction Scenario Assumptions

PA	Task	Daily One-Way Vehicle Trips				Equipment		
		Workers	Vendors	Haul Trucks	Onsite Trucks	Equipment Type (HP)	Quantity	Daily Usage Hours
B-1	Site Preparation	18	2	0	4	Rubber Tired Dozers (367)	3	8
						Tractors/Loaders/Backhoes (84)	4	8
	Grading	20	2	140	4	Graders (148)	1	8
						Excavators (36)	2	8
						Tractors/Loaders Backhoes (84)	2	8
						Scrapers (423)	2	8
						Rubber Tired Dozers (367)	1	8
	Building Construction	198	78	0	0	Forklifts (82)	3	8
						Generator Sets (14)	1	8
						Cranes (367)	1	7
						Welders (46)	1	8
						Tractors/Loaders Backhoes (84)	3	7
	Paving	16	2	0	0	Pavers (81)	2	8
						Paving Equipment (89)	2	8
Rollers (36)						2	8	
Architectural Coating	40	2	0	0	Air Compressors (37)	1	6	
B-2	Grading	16	6	0	4	Graders (148)	1	8
						Excavators (36)	1	8
						Tractors/Loaders Backhoes (84)	3	8
						Rubber Tired Dozers (367)	1	8
	Building Construction	292	150	0	0	Forklifts (82)	3	8
						Generator Sets (14)	1	8
						Cranes (367)	1	7
						Welders (46)	1	8
						Tractors/Loaders Backhoes (84)	3	7

Table 2-8. Construction Scenario Assumptions

PA	Task	Daily One-Way Vehicle Trips				Equipment		
		Workers	Vendors	Haul Trucks	Onsite Trucks	Equipment Type (HP)	Quantity	Daily Usage Hours
	Paving	16	2	0	0	Pavers (81)	2	8
						Paving Equipment (89)	2	8
						Rollers (36)	2	8
	Architectural Coating	20	2	0	0	Air compressors (37)	1	6

Source: CalEEMod, Appendix A

Notes: PA = Planning Area; HP = horsepower

Construction of the project would be subject to SDAPCD Rule 55 – Fugitive Dust Control. This rule requires that construction of project components include steps to restrict visible emissions of fugitive dust beyond the property line (SDAPCD 2009b). Compliance with Rule 55 would limit fugitive dust (PM₁₀ and PM_{2.5}) that may be generated during grading and construction activities. To reflect implementation of proposed dust control strategies, it was assumed that the exposed areas would be watered two times per day (61% reduction in PM₁₀ and PM_{2.5}).

2.3.3.2 Operational Emissions

Project-generated operational criteria air pollutant emissions were estimated for area sources, energy sources, and mobile sources using CalEEMod. The first full year of operations was assumed to be 2030, consistent with the anticipated end of construction. This provides a conservative estimate as emissions would decrease as the buildout year increase because of improved vehicle technologies and more stringent regulations. The calculation of area, energy, and mobile air pollutant emissions is explained below.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2022). Consumer product VOC emissions are estimated in CalEEMod based on the floor area of nonresidential buildings and on the default factor of pounds of VOC per building square foot per day. For parking lot land uses, CalEEMod estimates VOC emissions associated with use of parking surface degreasers based on a square footage of parking surface area and pounds of VOC per square foot per day.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers using during building maintenance. CalEEMod calculates the VOC evaporative emissions from application of nonresidential surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emission factor is based on the VOC content of the surface coatings, and SDAPCD Rule 67.0.1 (Architectural Coatings) governs the VOC (or ROG) content for interior and exterior coatings, which is 50 grams per liter VOC for the interiors and exteriors of the buildings. The CalEEMod default of 100 grams per liter was assumed for parking area coatings. The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the nonresidential surface area for painting equals 2.0 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating (CAPCOA 2022). For the parking lot, the architectural coating area is assumed to be 6% of the total square footage, consistent with the supporting CalEEMod studies provided as an appendix to the CalEEMod User's Guide (CAPCOA 2022).

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of nonresidential building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days. For San Diego County, the average annual "summer" days are estimated to 365 days; however, it is assumed that landscaping equipment would likely only operate during the week (not weekends), so operational days were assumed to be 180 days per year in CalEEMod (CAPCOA 2022).

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site.

The energy use from nonresidential land uses (natural gas usage per square foot per year) is calculated in CalEEMod based on the California Commercial End-Use Survey database and the energy use from residential land uses is calculated in CalEEMod based on the Residential Appliance Saturation Study. The current version of CalEEMod assumes compliance with the 2019 Title 24 Building Energy Efficiency Standards (CAPCOA 2022). However, construction of the proposed Project would be required to comply with the 2022 Title 24 Standards at a minimum and depending on timing of full project buildout, may be required to comply with future, more stringent energy codes.

The project may include some refrigeration uses, as such the industrial/business park with commercial land uses were modeled based on the estimated energy use from a refrigerated warehouse to provide a conservative estimate of potential future energy use as non-refrigerated industrial buildings would require less energy.

Mobile Sources

The project would generate criteria pollutant emissions from mobile sources (vehicular traffic) because of the passenger vehicle trips associated with the industrial/business park with commercial, hotel, and restaurant uses (i.e., employees, customers, deliveries).

Emissions from the mobile sources during operation of the project were estimated in CalEEMod. Mizuta Traffic Consulting, provided daily trips for vehicles. Because there may be additional truck traffic associated with the proposed industrial/business park with commercial land use for Planning Area B-1, Mizuta Traffic provided a breakdown of truck trips by axle-type based on the South Coast Air Quality Management District’s (SCAQMD) Warehouse Truck Trip Study Data Results and Usage (SCAQMD 2014). Planning Area A includes up to 198,000 square feet of industrial/business park with commercial uses, similar to the land uses included in Planning Area B-1, as such the same passenger vehicle versus truck percent breakdown and truck breakdown by axle was applied to Planning Area A. Planning Area B-2 would include potential hotel and restaurant uses, which would not result in higher truck trips than the CalEEMod default fleet mix, as such the default fleet mix was used for Planning Area B-2. Table 2-9 provides a summary of the project trip generation and vehicle fleet breakdown for the Planning Areas.

Table 2-9. Project Trip Generation

Planning Area	Vehicle Type	Average Daily Trips	Notes
A	Passenger Cars	2,900	Includes LDA, LDT1, LDT2, MDV
	Trucks	268	2-axle (16.7%); 3-axle (20.7%); 4+axle (62.6%)
	All	3,168	
B-1	Passenger Cars	6,884	Includes LDA, LDT1, LDT2, MDV
	Trucks	636	2-axle (16.7%); 3-axle (20.7%); 4+axle (62.6%)
	All	7,520	
B-2	All	5,000	
All	All	15,688	

Source: Mizuta Traffic Consulting, 2023

Notes: LDA = Light Duty Auto, LDT1 = Light-Duty Trucks (0-3,750 pounds), LDT2 = Light Duty Trucks (3,75-5,750 pounds), MDV = Medium-Duty Trucks (5,751-8,500 pounds), 2-axle trucks (5,801 – 14,000 pounds), 3-axle trucks (14,001-33,000 pounds), 4+axle trucks (33,001-60,000 pounds)

The commercial passenger vehicle trip lengths were assumed to be CalEEMod default trip lengths of 9.93 miles home-work trips, 6.68 miles for work-other trips, and 6.12 miles for other-other trips. A home-work trip represents trips traveling in either direction between home and work locations. A work-other trip is made by an employee traveling in either direction between a work location and all other locations that are not home. An other-other trip is made by a person traveling in either direction between land uses that do not involve home or work locations (e.g. school, park, gym).

The light-duty, medium-heavy-duty, and heavy-duty truck trip lengths were based on weighted trip length using EMFAC data on regional trip distances and the SCAQMD 2014 Survey. The weighted trip length was estimated to be 15.59 miles. Additionally, truck trips were assumed to be 100% primary trips. Vehicle emissions occur during startup, operation (running), and idling, as well as from evaporative losses when the engines are resting. The emissions factors for trucks and passenger vehicles were determined using CalEEMod.

Project truck idling would be limited to 5 minutes in accordance with CARB’s adopted Airborne Toxic Control Measure; however, for modeling purposes, it was conservatively assumed that the trucks would idle for a total of 15 minutes: 5 minutes at the entrance, 5 minutes at the loading dock, and 5 minutes at the exit of the Project site.

Vehicle emissions occur during startup, operation (running), and idling, as well as from evaporative losses when the engines are resting. The emissions factors for motor vehicles were determined using CalEEMod defaults.

The Local Mobility Analysis prepared by Mizuta Traffic Consulting included trip generation from existing uses on the project site that would be replaced by the project. Table 2-10 provides a summary of the existing vehicle trips.

Table 2-10. Existing Project Site Trip Generation

Planning Area	Vehicle Type	Average Daily Trips
A-1	All	1,156
B-1	All	2,405
B-2	All	663
Total	All	4,224

Notes: Manufacturing uses on Planning Areas B-1 and B-2 continued as recently as 2020. Trip generation for existing uses passed on Rohr Wohl Local Mobility Analysis prepared by Mizuta Traffic Consulting (July 2023).

Off-Road Equipment

Planning Areas A and B-1 may include some industrial uses such as warehousing. It is common for industrial buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. The most common type of cargo handling equipment are forklifts, pallet jacks, and yard trucks, which are designed for moving cargo containers. Yard trucks are also known as yard goats, utility tractors, hustlers, yard hostlers, and yard tractors. The SCAQMD published a summary of operational survey results from 34 operating high-cube warehouses (SCAQMD 2014). The SCAQMD survey reported an average of 0.12 forklifts/pallet jacks per 1,000 square feet of building area, which was applied to the project. This estimate is for total forklifts and pallet jacks. Pallet jacks are small as they are primarily used to lift small loads in tight quarters (and are electric or manual); therefore, assuming all pieces of equipment are forklifts is conservative. The SCAQMD study also identified 3.6 yard trucks per 1 million square feet. For this project, based on the maximum square footage of building space permitted by the project, on-site modeled operational equipment includes a total of 56 forklifts for Planning Area B-1 and 24 forklifts for Planning Area A for a total of 80 forklifts. In addition, one yard truck each was assumed for Planning Area A and B-1. Of the total 80 forklifts, approximately half were assumed to be electric with the remaining modeled as diesel with Tier 4 compliant engines. The yard trucks were assumed to be diesel. See Appendix A for detail calculations.

Stationary Sources

A stationary source is defined as any building, structure, facility, or installation which emits or may emit any pollutants. Planning Areas A and B-1 may include refrigerated uses; accordingly, back-up generators may be required during emergency outages. One 500-hp emergency back-up generator was included for each building in Planning Areas with potential refrigerated uses (A and B-1). Emergency backup diesel generators are considered stationary sources and subject to permitting from the SDAPCD. The modeling assumed the generators would be consistent with statewide average emission factors for a 2030 operational year and would operate up to 50 hours annually.

2.3.3.3 Health Risk Assessments

Construction Health Risk Assessment

An HRA was performed to evaluate potential health risk associated with construction of the project. The following discussion summarizes the dispersion modeling and HRA methodology; supporting construction HRA documentation, including detailed assumptions, is presented in Appendix B.

For risk assessment purposes, PM₁₀ in diesel exhaust is considered DPM, originating mainly from off-road equipment operating at a defined location for a given length of time at a given distance from sensitive receptors. Less-intensive, more-dispersed emissions result from on road vehicle exhaust (e.g., heavy-duty diesel trucks). For the construction HRA, the CalEEMod scenario for the project was adjusted to reduce diesel truck one-way trip distances to 1,320 feet (0.25 miles) to estimate emissions from truck pass-by at proximate receptors. The air dispersion modeling methodology was based on SDAPCD's accepted modeling practices (SDAPCD 2022a). Air dispersion modeling was performed using the EPA's American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 22112 modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 11.2.0. The HRA followed the Office of Environmental Health Hazard Assessment (OEHHA) 2015 guidelines (OEHHA 2015) and SDAPCD guidance to calculate the health risk impacts at all proximate receptors as further discussed below. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with the SDAPCD and EPA guidance and identified as representative of the Project site and Project activities. Principal parameters of this modeling are presented in Table 2-11.

Table 2-11. American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters

Parameter	Details
Meteorological Data	The SDAPCD was consulted to obtain the most representative meteorological data set for the project site. The SDAPCD provided meteorological data for the Chula Vista meteorological station, which was located at 84 East J Street in Chula Vista, approximately 2.5 miles east of the project site. The latest three-year data set from the Chula Vista station was for the 2010-2012 years.
Urban versus Rural Option	Rural dispersion option was selected due to the close proximity to the coastline. The rural dispersion option is the modeling default for San Diego County (SDAPCD 2022a).
Terrain Characteristics	Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate for the site. This accounts for complex terrain within 2 kilometers of the site. The National Elevation Dataset (NED) dataset with resolution of 1 arc-second was used. The AERMAP terrain preprocessor, which can process U.S. Geological Survey (USGS) Digital Elevation Model (DEM) data and data from the NED, is also used to generate the terrain elevations for the receptor locations. The AERMAP program generates an output file that contains the receptor pathway data for AERMOD.
Source Release Characterizations	Air dispersion modeling of DPM emissions was conducted assuming the off-road equipment would operate in accordance with the modeling scenario estimated in CalEEMod (Appendix A). The construction equipment and on-site truck travel DPM emissions were modeled as a line of adjacent volume sources across the project site

Table 2-11. American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters

Parameter	Details
	to represent project construction with a release height of 5 meters, plume height of 10 meters, and plume width of 10 meters (SCAQMD 2008).

Source: See Appendix B.

Notes: AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; SDAPCD = San Diego Air Pollution Control District; SCAQMD = South Coast Air Quality Management District; SJVAPCD = San Joaquin Valley Air Pollution Control District; EPA = U.S. Environmental Protection Agency.

Regarding receptors, the construction scenario used a 2-kilometer by 2-kilometer Cartesian receptor grid with less than 50-meter spacing to establish the impact area and evaluate locations of maximum health risk impact. Discrete receptors were placed over residential receptors in closest proximity to the site.

The health risk calculations were performed using the Hotspots Analysis and Reporting Program Version 2 (HARP2) Air Dispersion and Risk Tool (ADMRT, Version 22118). AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the necessary input values for HARP2. The line of volume sources was partitioned evenly based on the 1 gram per second emission rate. The ground-level concentration plot files were then used to estimate the long-term cancer health risk to an individual, and the non-cancer chronic health indices. There is no reference exposure level for acute health impacts from DPM, and, thus, acute risk was not evaluated.

Operational Heath Risk Assessment

CARB’s Air Quality and Land Use Handbook: A Community Health Perspective encourages consideration of the health impacts of distribution centers that accommodate more than 100 trucks per day on sensitive receptors sited within 1,000 feet from the source in the land use decision-making process (CARB 2005). For the operational health risk, the operation year 2030 was assumed consistent with completion of project construction. Emissions from the operation of the project include truck trips, truck idling emissions, potential Truck Refrigeration Units (TRU), diesel-fueled cargo handling equipment, and potential emergency backup generators at each of the industrial business park with commercial uses. For risk assessment purposes, PM₁₀ in diesel exhaust is considered DPM, originating mainly from trucks traveling on site and off site, TRUs, and truck idling located at the loading docks. Truck and cargo handling equipment emissions were based on CalEEMod. Emission factors representing the vehicle and equipment mix and emissions for 2030 were used to estimate emissions associated with operation of the project. Truck idling would be limited to 5 minutes in accordance with CARB’s adopted Airborne Toxic Control Measure; however, truck idling was conservatively assumed to idle for 15 minutes.³ Therefore, the analysis conservatively overestimates DPM emissions from idling. All deliveries would occur Monday through Sunday.

Conservatively, 2030 CalEEMod and a constant 2030 emission factor data set was used for the entire duration of the analysis (i.e., 30 years). Use of the 2030 emission factors would overstate potential impacts since this approach does not include reductions in emissions due to fleet turnover or cleaner technology with lower emissions. The truck travel DPM emissions were calculated by applying the exhaust PM₁₀ emission factor from CalEEMod and the total truck trip number over the length of the distance traveled. In addition, the on-site truck idling exhaust emissions

³ Although the project is required to comply with CARB’s idling limit of 5 minutes, on-site idling emissions was estimated for 15 minutes of truck idling, which would consider on-site idling while the trucks are waiting to pull up to the loading dock, idling at the loading dock, and idling during check-in and check-out.

were calculated by applying the idle exhaust PM₁₀ emission factor from EMFAC2021 and total truck trip over the total idling time (i.e., 15 minutes).

The dispersion modeling was performed using AERMOD (Version 22112). The truck traffic was modeled as a line of adjacent volume sources including the following truck routes: north bound to and from I-5 Bay Boulevard; south bound to and from I-5 via Bay Boulevard; and east bound to and from I-5 and I-805 via H Street and Dispersion modeling receptors were placed at proximate sensitive receptors along the truck routes. Emission sources were modeled as line volume sources with the exception of the emergency generators, which were modeled as point sources.

As previously described, health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SCAQMD recommends a carcinogenic (cancer) risk threshold of 10 in one million. Some TACs increase noncancer health risk due to long-term (chronic) exposures. A hazard index less than one (1.0) means that adverse health effects are not expected. Within this analysis, noncarcinogenic exposures of less than 1.0 are considered **less than significant**. The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure values are established and regulated and are therefore not addressed in this assessment.

Dudek evaluated the project’s potential cancer and noncancer health impacts using exposure periods appropriate to evaluate long-term emission increases (third trimester of pregnancy to 30 years). Emissions dispersion of DPM was modeled using AERMOD, then cancer risk and noncancer health impacts subsequently using the CARB HARP2 (ADMRT, Version 22118). The health risk results were then compared to SCAQMD thresholds to assess project significance. Principal parameters of this modeling are presented in Table 2-12.

Table 2-12. Operational Health Risk Assessment American Meteorological Society/ U.S. Environmental Protection Agency Regulatory Model Operational Principal Parameters

Parameter	Details
Meteorological Data	The SDAPCD was consulted to obtain the most representative meteorological data set for the project site. The SDAPCD provided meteorological data for the Chula Vista meteorological station, which was located at 84 East J Street in Chula Vista, approximately 2.5 miles east of the project site. The latest three-year data set from the Chula Vista station was for the 2010-2012 years.
Urban versus Rural Option	Rural dispersion option was selected due to the close proximity to the coastline. The rural dispersion option is the modeling default for San Diego County (SDAPCD 2022a).
Terrain Characteristics	Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate for the site. This accounts for complex terrain within 2 kilometers of the site. The National Elevation Dataset (NED) dataset with resolution of 1 arc-second was used. The AERMAP terrain preprocessor, which can process U.S. Geological Survey (USGS) Digital Elevation Model (DEM) data and data from the NED, is also used to generate the terrain elevations for the receptor locations. The AERMAP program generates an output file that contains the receptor pathway data for AERMOD.
Emission Sources and Release Parameters	Air dispersion modeling of off-site and on-site truck travel, TRUs, and truck idling were conducted using emissions generated using EMFAC2021 and CalEEMod. Forklift and yard truck emissions were estimated using CalEEMod. Stationary source equipment estimates

Table 2-12. Operational Health Risk Assessment American Meteorological Society/ U.S. Environmental Protection Agency Regulatory Model Operational Principal Parameters

Parameter	Details
	were based on CalEEMod using the statewide average emissions based on calendar year 2030.
Source Release Characterizations	With the exception of the emergency generators, which were modeled as point sources, the remaining sources were all modeled as line volume sources. Release parameters were based on guidance from SCAQMD, EPA, SDAPCD, and the San Joaquin Valley Air Pollution Control District. (EPA 2022b; SCAQMD 2008; SJVAPCD 2022, SDAPCD 2022a).

Source: See Appendix B.

Note: AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; SDAPCD = San Diego Air Pollution Control District; SCAQMD = South Coast Air Quality Management District; SJVAPCD = San Joaquin Valley Air Pollution Control District; EPA = U.S. Environmental Protection Agency.

Regarding receptors, a Cartesian receptor grid with less than 50-meter spacing was utilized to establish the impact area and evaluate locations of maximum health risk impact. Dispersion modeling receptors were placed at proximate sensitive receptors along the truck routes.

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in one million. Maximum Individual Cancer Risk is the estimated probability of a maximally exposed individual potentially contracting cancer as a result of exposure to TACs over a period of 30 years for residential receptor locations. The HRA assumes exposure would start in the third trimester of pregnancy through 30 years for all residential sensitive receptor locations. The exposure pathway for DPM is inhalation only.

2.4 Impact Analysis

2.4.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

Analysis

As stated in Section 2.2.3, Local, SDAPCD and SANDAG are responsible for developing and implementing the clean air plans for attainment and maintenance of the NAAQS and CAAQS in the SDAB; specifically, the SIP and RAQS.⁴ The federal O₃ maintenance plan, which is part of the SIP, was last updated in 2020. The SIP includes a demonstration that current strategies and tactics will maintain acceptable air quality in the SDAB based on the NAAQS. The RAQS was initially adopted in 1991 and is updated every 3 years (most recently in 2022). The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for O₃. The SIP and RAQS rely on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in San Diego County and the cities in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source

⁴ For this discussion, the relevant federal air quality plan is the O₃ maintenance plan (SDAPCD 2016b). The RAQS is the applicable plan for purposes of state air quality planning. Both plans reflect growth projections in the SDAB.

emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by San Diego County and the cities in the County as part of the development of their general plans. The 2022 RAQS continues to build upon previous progress to reduce ground-level ozone, but also complements regional actions addressing greenhouse gases and climate change.

If a project proposes development that is greater than that anticipated in the local plan and SANDAG’s growth projections, the project might conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality.

Existing Population and Housing Setting

The approximately 44.78-acre project site was used for agriculture until 1941, when it was developed as the Rohr Aircraft Facility, which employed thousands of Chula Vista residents for more than 60 years. The site is currently developed with two main industrial buildings and several smaller outbuildings. One of the buildings on site is approximately 282,004 square feet and was used for research and development, tooling, and warehousing and distribution of aftermarket products until early 2021. The other two larger buildings on site have a combined square footage of 733,977. There are also 11 smaller outbuildings totaling 32,860 square feet. These buildings were used for manufacturing, warehouse, and distribution operations until approximately 2020.

Population

SANDAG estimates future population, housing, land use, and economic growth throughout San Diego County and in individual cities, including the City of Chula Vista. On May 25, 2018, the Series 14 2050 Regional Growth Forecast was accepted by the SANDAG Board of Directors for planning purposes (SANDAG 2018). This forecast serves as the foundation for San Diego Forward: The Regional Plan and other planning documents across the region. SANDAG projects the region’s population will grow by 437,000 people between 2016 and 2050. This forecast is consistent with previous expectations although future growth rates have been reduced due to increased domestic migration out of the region. The growth in population will drive job growth and housing demand within the region, adding nearly 440,000 jobs and more than 280,000 housing units by 2050 (SANDAG 2021b).

The City of Chula Vista is anticipated to have a population of 284,835 by 2025, which comprises approximately 8.2% of the population in the San Diego region. As shown in Table 2-13, the SANDAG Series 14 Regional Growth Forecast for 2050 predicts population, housing, and employment for the San Diego Region, as well as for the City of Chula Vista, for 2016 through 2050.

Table 2-13. San Diego Region vs. City of Chula Vista Population, Housing, and Employment Forecast

Planning Area	Year 2016	Year 2025	Year 2035	Year 2050	Increase	Percent Change
Population						
City of Chula Vista	265,357	284,835	288,141	323,469	58,112	21.9%
San Diego Region ^a	3,309,510	3,470,848	3,620,348	3,746,073	436,563	13.2%

Table 2-13. San Diego Region vs. City of Chula Vista Population, Housing, and Employment Forecast

Planning Area	Year 2016	Year 2025	Year 2035	Year 2050	Increase	Percent Change
Housing						
City of Chula Vista	82,794	91,635	95,621	109,474	26,680	32.2%
San Diego Region	1,190,555	1,288,216	1,409,866	1,471,299	280,744	23.6%
Employment						
City of Chula Vista	74,078	83,027	98,701	116,185	42,107	56.8%
San Diego Region	1,646,419	1,761,747	1,921,475	2,086,318	439,899	26.7%

Sources: SANDAG 2021b.

Note:

^a The San Diego Region includes both incorporated and unincorporated areas of the region.

Housing

According to SANDAG’s 2050 Regional Growth Forecast, the City is expected to gain 58,112 new residents and 26,680 new households between 2016 and 2050 (SANDAG 2021b). Furthermore, SANDAG, through its Regional Housing Needs Allocation, estimated that the City would experience a demand for 11,105 housing units through the 2021 and 2029 planning period, of which 4,527 new housing units would be for affordable to low- and very-low-income households and 6,578 new housing units would be for moderate- and above-moderate-income households. The City of Chula Vista anticipates that much of the new construction will result from building out the master-planned communities in the East Planning Area, such as Otay Ranch, infill development, and mixed-use development (SANDAG 2021c).

To encourage the development of adequate housing to meet the needs of low and moderate-income households and to further geographic and community balance, the City’s adopted Housing Element provides for a Balanced Communities Policy, requiring 10% affordable housing for low- and moderate-income households within developments of 50 or more residential units.^{5,6} This inclusionary housing program will serve as only one component of the City’s overall housing strategy and will complement other affordable housing efforts, including preservation of existing assisted housing, development of new assisted housing with public subsidies, first-time homebuyer assistance, and rehabilitation loans for low-income homeowners. The City finds that such an inclusionary housing policy is beneficial to increasing the supply of housing affordable to households of lower and moderate incomes and to meet the City’s regional share of housing needs given the demographics of the community

⁵ Low-income households are households of persons who claim primary residency at the same unit with combined incomes that are greater than 50%, but not more than 80% of the Area Median Income for the San Diego area based on household size as determined annually by the U.S. Department of Housing and Urban Development. Household size is calculated by the number of persons residing at the same unit as their primary residence.

⁶ Moderate-income households are households of persons who claim primary residency at the same unit with combined incomes between 80% to 120% of the Area Median Income for the San Diego area based on household size as determined annually by the U.S. Department of Housing and Urban Development. Household size is calculated by the number of persons residing at the same unit as their primary residence.

and its needs, past housing production performance, and the existing opportunities and constraints as detailed in its Housing Element (City of Chula Vista 2012a).

The City’s new General Plan Housing Element was adopted on July 13, 2021, and amended on September 13, 2022. The Housing Element establishes clear goals and objectives to inform future housing decisions for the 2021 to 2029 housing cycle. As part of the Housing Element update, the City must demonstrate there is sufficient capacity to accommodate the number of housing units identified in the Regional Housing Needs Assessment (RHNA). As such, the RHNA allocation was released by SANDAG in November 2019 and helped inform preparation of the 2021 Housing Element. Tables 2-14 and 2-15 show the past performance RHNA from the 5th Cycle (2013–2020) and the current RHNA allocation for the 6th Cycle (2021–2029), respectively (City of Chula Vista 2020b).

Table 2-14. Past Performance RHNA 5th Cycle (2013–2020)

Income Level	RHNA Allocation by Level	Total Units to Date (all years)	Total Remaining RHNA (2019–2021)
Very Low	3,209	91	3,118
Low	2,439	557	1,882
Moderate	2,257	328	1,929
Above Moderate	4,956	7,614	2,658
Total	12,861	8,590	4,271

Source: City of Chula Vista 2020.

Note: RHNA = Regional Housing Needs Assessment.

Table 2-15. RHNA Allocation for the 6th Cycle (2021–2029)

Income Category	RHNA Allocation by Level	Percentage of Total Units
Very Low	2,750	25%
Low	1,777	16%
Moderate	1,911	17%
Above Moderate	4,667	42%
Total	11,105	100%

Source: City of Chula Vista 2020.

Note: RHNA = Regional Housing Needs Assessment.

The General Plan incorporates a Housing Element (adopted July 13, 2021) that identifies strategies to expand housing opportunities for the City’s various economic segments. Under the Housing Element, the provision of new housing opportunities within mixed use areas and at higher density levels, particularly transit focus areas, is encouraged. A primary issue of the Housing Element is the shortfall of housing, particularly affordable housing, in the City and the region. The 2021 Housing Element of the General Plan provides implementation mechanisms for effectively addressing Chula Vista’s housing needs throughout the 2021–2029 planning period. Existing programs and policies of the 2013–2020 Housing Element are evaluated in the 2021 Housing Element to identify revisions and the current needs of Chula Vista’s population (City of Chula Vista 2021c).

Goals and policies listed in the General Plan encourage the provision of a wide range of housing choices by location, type of unit, and price level, in particular the establishment of permanent affordable housing for low and moderate-income households. General Plan goals and policies ensure the availability of housing opportunities to persons

regardless of race, color, ancestry, national origin, religion, sex, disability, marital status, familial status, source of income, or sexual orientation and support efforts to increase homeownership rates to build individual wealth (City of Chula Vista 2021c).

Employment

Employment and job growth have an influence on housing needs in the region and in the City. SANDAG’s forecast of job growth for the City and the San Diego region from 2016 to 2050 estimates that the City’s job growth is projected to be faster than growth projected in the San Diego region. Job growth in the City is expected to increase by 56.8%, while job growth in the San Diego region is projected to be 26.7% between 2016 and 2050.

As shown in Table 2-16 according to the U.S. Census Bureau, the City’s labor force 16 years and older in 2021 was 128,931 people, with the leading industries being education, health care, and social services; retail trade; and professional, scientific, management, and administration services.

Table 2-16. Employment by Industry in City of Chula Vista

Labor Force Status	Persons
Employed Population 16 Years and Over	128,931
Agriculture	470
Construction	8,761
Manufacturing	10,526
Wholesale Trade	3,459
Retail Trade	14,338
Transportation and Warehousing	8,246
Information	1,354
Finance, Real Estate	6,965
Professional, Scientific, Management, and Administration	14,288
Educational, Health Care, and Social Services	32,149
Arts, Accommodations, and Food Services	10,6301
Public Administration	11,462
Other Services	6,301

Source: U.S. Census Bureau 2021.

Planning Areas A, B-1, and B-2 of the project site are located within the Chula Vista Bayfront Local Coastal Program and currently lie within the General Industrial (I) Zoning and Industrial (I) General Plan land use designations. The proposed project would amend the General Plan to change the land use designation on the project site from Industrial (I) to Rohr Wohl Specific Plan. The zoning of the area would be amended to allow for a flexible combination of light industrial, office, commercial and visitor-oriented uses.

As described above, the SANDAG Series 14 estimates population in Chula Vista would grow from 284,835 in 2025 to 288,141 in 2035; and employment would increase from 83,027 jobs in 2025 to 98,701 jobs in 2035 (SANDAG 2018). Based on the anticipated increase in jobs of 15,674 in the City, the proposed project would account for 6.4% of that increase. Construction jobs associated with the proposed project would be temporary and would not require permanent relocation into the City. Once operational, the estimated 1,000 jobs that would result from the

proposed project would result in some amount of population growth within the City due to new employment opportunities, however, this population growth would not be considered to be greater than what is planned by the General Plan and SANDAG growth estimates because the proposed project would restore what was previously a major job center for the City of Chula Vista.

The proposed project would rejuvenate an underutilized property creating employment opportunities and restoring the approximate 1,000 jobs that existed on site. Furthermore, the Growth Management Element of the City of Chula Vista's General Plan outlines the measures necessary to direct and coordinate growth and development in ways to improve the quality of life for current and future residents of Chula Vista. The proposed project fosters a development pattern that promotes orderly growth by developing on a site with existing industrial uses. As such, the project would not contribute to substantial population and employment growth and associated VMT that was not anticipated for the project site in the existing General Plan and SANDAG Growth Estimates. The anticipated growth in employment and population and consequently VMT would be within regional growth forecasts. Implementation of the proposed project would not conflict with or obstruct the implementation of the RAQS and/or applicable portions of the SIP, and the impact would be **less than significant**.

Level of Significance Before Mitigation

Based on the analysis above, implementation of the project would not result in development more than that anticipated in local plans or increases in population/housing growth beyond those contemplated by SANDAG. As such, vehicle trip generation and planned development for the project are anticipated in the SIP and RAQS. The project would be consistent at a regional level with the underlying growth forecasts in the RAQS. Impacts would be **less than significant**.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be **less than significant**.

2.4.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SDAPCD develops and implements plans for future attainment of the NAAQS and CAAQS. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether the Project's individual emissions would have a cumulatively significant impact on air quality.

Construction

Construction of the proposed project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (vendor and haul truck trips, and worker vehicle trips). Construction emissions can vary substantially day to day, depending on the level of activity, the specific type of operation, and for dust, the prevailing weather conditions.

Criteria air pollutant emissions associated with construction activities were quantified using CalEEMod. Default values provided by the program were used where detailed project information was not available. A detailed depiction of the construction schedule—including information regarding phasing, equipment used during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 2.3.3.1 above.

Development of the project would generate air pollutant emissions from entrained dust, off-road equipment, vehicle emissions, asphalt pavement application, and architectural coatings. As described previously, fugitive dust would be limited through compliance with SDAPCD Rule 55, which requires the restriction of visible emissions of fugitive dust beyond the property line. This measure is incorporated into the project as PDF-AQ-1.

Table 2-17 shows the estimated maximum unmitigated daily construction emissions associated with the construction phases of the Project. Complete details of the emissions calculations are provided in Appendix A, *Air Quality Emissions CalEEMod Output Files*.

Table 2-17. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - Unmitigated

	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Year	Pounds Per Day					
Summer						
2024	3.82	48.33	36.16	0.13	21.80	4.12
2025	2.00	13.65	23.42	0.04	2.63	0.63
2026	85.21	12.87	22.69	0.04	2.58	0.63
2028	2.11	14.06	26.31	0.05	8.20	1.47
2029	87.42	13.32	25.58	0.05	3.76	0.94
Winter						
2024	3.81	48.80	36.10	0.13	14.10	2.53
2025	1.99	13.81	22.31	0.04	2.63	0.63
2026	85.21	13.04	21.70	0.04	2.58	0.63
2028	2.09	14.23	24.96	0.05	3.78	0.97
2029	2.02	13.59	24.24	0.05	3.76	0.94
Maximum Daily Emissions	87.42	48.80	36.16	0.13	21.80	4.12
<i>SCAQMD Threshold</i>	75	100	550	150	150	55
Threshold Exceeded?	Yes	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter;

See unmitigated results in Rohr-Wohl Specific Plan – Mitigated PM/VOC Detailed Report.pdf in Appendix A for complete results. The values shown are the maximum summer or winter daily emissions results from CalEEMod.

As shown in Table 2-17, daily construction emissions for the project would not exceed the SCAQMD’s significance thresholds for VOC, primarily from painting emissions. Therefore, the project would have a **potentially significant impact** related to emissions of criteria air pollutant emissions during construction and mitigation is required to reduce the impact. Mitigation Measure AQ-1 (MM AQ-1) would require the use of super compliant VOC paint, which is 10 mg of VOC per liter.

Table 2-18 shows the mitigated emissions from construction with the incorporation of MM AQ-1. As shown, the mitigated construction emissions from the project would fall below the SCAQMD’s thresholds of significance, resulting in a **less than significant impact with mitigation incorporated**.

Table 2-18. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - Mitigated

Year	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds Per Day					
Summer						
2024	0.95	48.33	36.16	0.13	8.30	4.12
2025	1.21	13.65	23.42	0.04	2.28	0.63
2026	21.23	12.87	22.69	0.04	2.27	0.63
2028	1.45	14.06	26.31	0.05	3.55	1.47
2029	21.70	13.32	25.58	0.05	3.55	0.94
Winter						
2024	1.23	48.80	36.10	0.13	7.08	2.53
2025	1.19	13.81	22.31	0.04	2.28	0.63
2026	21.23	13.04	21.70	0.04	2.27	0.63
2028	1.43	14.23	24.96	0.05	3.55	0.97
2029	1.39	13.59	24.24	0.05	3.55	0.94
Maximum Daily Emissions	21.70	48.80	36.16	0.13	8.30	4.12
<i>SCAQMD Threshold</i>	<i>75</i>	<i>100</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Threshold Exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; See mitigated results in Rohr-Wohl Specific Plan – Mitigated PM/VOC Detailed Report.pdf in Appendix A for complete results. The values shown are the maximum summer or winter daily emissions results from CalEEMod and include fugitive dust mitigation pursuant to PDF AQ-1.)

Operations

Operation of the proposed project would generate VOC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5} emissions from mobile sources (vehicle trips), area sources (consumer products, landscape maintenance equipment), and energy sources. Criteria air pollutant emissions associated with long-term operations were quantified using CalEEMod. In addition, the emissions from existing uses on the project site were also estimated using CalEEMod.

Table 2-19 presents the unmitigated maximum daily emissions associated with the operation of the project in 2030 after all phases of construction have been completed. The existing emissions are also shown as well as the net project emissions. Complete details of the emissions calculations are provided in Appendix A, *Air Quality Emissions CalEEMod Output Files*. Emissions represent maximum of summer and winter. “Summer” emissions are representative of the conditions that may occur during the O₃ season (May 1 to October 31), and “winter” emissions are representative of the conditions that may occur during the balance of the year (November 1 to April 30).

Table 2-19. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Source	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds per Day					
Project	Summer					
Mobile	35.45	62.33	297.18	1.15	91.47	24.02
Area	28.72	0.35	41.67	0.00	0.07	0.06
Energy	0.54	9.85	8.28	0.06	0.75	0.75
Offroad (forklifts, yard trucks)	2.99	25.58	46.28	0.08	0.88	0.81
Stationary (Emergency Generators)	4.10	11.47	10.46	0.02	0.60	0.06
<i>Subtotal</i>	<i>71.81</i>	<i>109.57</i>	<i>403.87</i>	<i>1.30</i>	<i>93.78</i>	<i>25.69</i>
Existing	Summer					
Mobile	14.38	10.66	100.95	0.22	17.66	4.61
Area	29.89	0.37	43.37	0.00	0.08	0.06
Energy	0.51	9.22	7.75	0.06	0.70	0.70
Offroad (forklifts, yard trucks)	4.90	45.62	49.12	0.08	2.6	2.39
Stationary (Emergency Generators)	0	0	0	0	0	0
<i>Subtotal</i>	<i>49.67</i>	<i>65.88</i>	<i>201.20</i>	<i>0.35</i>	<i>21.04</i>	<i>7.75</i>
Net	Summer					
Mobile	21.07	51.67	196.23	0.93	73.81	19.41
Area	-1.17	-0.02	-1.70	0.00	-0.01	0.00
Energy	0.03	0.63	0.53	0.00	0.05	0.05
Offroad (forklifts, yard trucks)	-1.91	-20.04	-2.84	0.00	-1.72	-1.58
Stationary (Emergency Generators)	4.10	11.47	10.46	0.02	0.60	0.06
Total	22.13	43.70	202.67	0.96	72.73	17.95
<i>SCAQMD Threshold</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Threshold exceeded?	No	No	No	No	No	No
Project	Winter					
Mobile	35.02	66.38	278.55	1.11	91.47	24.02
Area	21.87	0.00	0.00	0.00	0.00	0.00
Energy	0.54	9.85	8.28	0.06	0.75	0.75

Table 2-19. Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Source	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds per Day					
Offroad (forklifts, yard trucks)	2.99	25.58	46.28	0.08	0.88	0.81
Stationary (Emergency Generators)	4.10	11.47	10.46	0.02	0.60	0.06
<i>Subtotal</i>	64.53	113.28	343.57	1.26	93.70	25.64
Existing	Winter					
Mobile	13.97	11.71	95.96	0.21	17.66	4.61
Area	22.77	0.00	0.00	0.00	0.00	0.00
Energy	0.51	9.22	7.75	0.06	0.70	0.70
Offroad (forklifts, yard trucks)	4.90	45.62	49.12	0.08	2.60	2.39
Stationary (Emergency Generators)	0.00	0.00	0.00	0.00	0.00	0.00
<i>Subtotal</i>	42.15	66.56	152.83	0.34	20.96	7.70
Net	Winter					
Mobile	21.05	54.67	182.59	0.90	73.81	19.41
Area	-0.90	0.00	0.00	0.00	0.00	0.00
Energy	0.03	0.63	0.53	0.00	0.05	0.05
Offroad (forklifts, yard trucks)	-1.91	-20.04	-2.84	0.00	-1.72	-1.58
Stationary (Emergency Generators)	4.10	11.47	10.46	0.02	0.60	0.06
Total	22.37	46.72	190.74	0.93	72.74	17.94
<i>SCAQMD Threshold</i>	55	55	550	150	150	55
Threshold exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; <0.01 = reported value is less than 0.01.

See Rohr-Wohl Specific Plan Regional – Unmitigated Operational Detailed Report 10/11/2023.pdf, and Existing Land Uses Rohr Wohl Detailed Report.pdf in Appendix A for complete results.

Note that emissions shown would be less with the incorporation of MM-AQ-4 and MM-AQ-5.

As shown in Table 2-19, the net daily operational emissions for the project would not exceed the SCAQMD’s thresholds for any criteria air pollutant. Therefore, the project would result in a **less than significant impact** related to emissions of criteria air pollutant emissions during operation.

Level of Significance Before Mitigation

In analyzing cumulative impacts from a project, the analysis must specifically evaluate the project’s contribution to the cumulative increase in pollutants for which the SDAB is designated as nonattainment for the CAAQS and NAAQS. If the project does not exceed thresholds and is determined to have less than significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the project components, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of

established thresholds. However, the project would only be considered to have a significant cumulative impact if its contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a “cumulatively considerable contribution” to the cumulative air quality impact).

Additionally, for the SDAB, the RAQS serves as the long-term regional air quality planning document for the purpose of assessing cumulative operational emissions within the basin to ensure the SDAB continues to make progress toward NAAQS and CAAQS attainment status. As such, cumulative projects located in the San Diego region would have the potential to result in a cumulative impact to air quality if, in combination, they would conflict with or obstruct implementation of the RAQS. Similarly, individual projects that are inconsistent with the regional planning documents on which the RAQS is based would have the potential to result in cumulative impacts if they represent development beyond regional projections.

The SDAB has been designated as a federal nonattainment area for O₃ and a state nonattainment area for O₃, PM₁₀, and PM_{2.5}. PM₁₀ and PM_{2.5} emissions associated with construction generally result in near-field impacts. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the SDAB. As shown in Table 2-17, the unmitigated construction emissions would exceed the SCAQMD’s VOC thresholds of significance and result in a **potentially significant impact**. As shown in Table 2-19, net operational emissions generated by the project would not result in emissions that exceed significance thresholds for any criteria air pollutant. Long-term operational air quality impacts would be less than significant.

Mitigation Measures

MM-AQ-1: Low VOC Paints. The project shall use super-compliant VOC paint (defined as less than 10 g/L of VOC) during project construction for architectural coatings.

Level of Significance After Mitigation

With the incorporation of MM-AQ-1, the project construction emissions of VOC are reduced to a less than significant level. As shown in Table 2-18, the mitigated emissions of all criteria pollutants from the project’s construction would be below the significance levels. Construction would be short term, temporary in nature, and activities would be considered typical of a non-residential project. Once construction is completed, construction-related emissions would cease. Regarding long-term cumulative operational emissions in relation to consistency with local air quality plans, the SIP and RAQS serve as the primary air quality planning documents for the state and SDAB, respectively. The SIP and RAQS rely on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and by the County as part of the development of their general plans. Therefore, projects that propose development that is consistent with the growth anticipated by local plans would be consistent with the SIP and RAQS and would not be considered to result in cumulatively considerable impacts from operational emissions. As discussed in Section 2.4.1 of this report, the Project is consistent with the SANDAG growth projections. Thus, it would be consistent at a regional level with the underlying growth forecasts in the SIP and RAQS.

As a result, the project would not result in a cumulatively considerable contribution to regional O₃ concentrations or other criteria pollutant emissions. Cumulative impacts for construction and operation would be **less than significant after mitigation** for the project.

2.4.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Carbon Monoxide Hotspots

A CO hot spot is a localized concentration of CO that is above the state or national 1-hour or 8-hour ambient air standards for the pollutant. Projects that do not generate CO concentrations in excess of the health-based CAAQS would not contribute a significant level of CO such that localized air quality and human health would be substantially degraded.

Ambient CO levels are monitored at the Lexington Elementary School air monitoring station in El Cajon, approximately 14 miles northeast of the project site and represents ambient CO in the project area. Ambient CO levels monitored at this representative monitoring station indicate that the highest recorded 1-hour concentration of CO is 2.2 ppm (the State standard is 20 ppm) and highest 8-hour concentration is 1.2 ppm (the State standard is 9 ppm) during the past 3 years of available data (EPA 2022a). As discussed above, the highest CO concentrations typically occur during peak traffic hours, so CO impacts calculated under peak traffic conditions represent a worst-case analysis.

The City does not have guidance regarding CO hotspots and has in the past referenced the County of San Diego's CO hotspot screening guidance (County of San Diego 2007). Per guidance, any project that would place receptors within 500 feet of a signalized intersection operating at or below LOS E (peak-hour trips exceeding 3,000 trips) must conduct a "hotspot" analysis for CO. Likewise, projects that will cause road intersections to operate at or below a level of service (LOS) E (i.e., with intersection peak-hour trips exceeding 3,000) will also have to conduct a CO "hotspot" analysis.

Since the last update of the County's guidance (2007), the County has evaluated the potential for the growth anticipated under its General Plan Update to result in CO "hot spots" throughout the County (County of San Diego 2009). To do this, the County reviewed the CO "hot spot" analysis conducted by the South Coast Air Quality Management District (SCAQMD) for their request to the USEPA for redesignation as a CO attainment area (SCAQMD 2003). In SCAQMD's analysis, they modeled the four most congested intersections identified in their basin (South Coast Air Basin [SCAB]), which included the following:

- **Long Beach Boulevard and Imperial Highway** – proximity to the Lynwood monitoring station, which consistently records the highest 8-hour CO concentrations in the SCAB each year.
- **Wilshire Boulevard and Veteran Avenue** – the most congested intersection in Los Angeles County, with an average daily traffic volume of 100,000 vehicles/day.
- **Highland Avenue and Sunset Boulevard** – one of the most congested intersections in the City of Los Angeles.
- **Century Boulevard and La Cienega Boulevard** – one of the most congested intersections in the City of Los Angeles.

The SCAQMD's analysis found that these intersections had an average 7.7 ppm 1-hour CO concentrations predicted by the models, which is only 38.5% of the 1-hour CO CAAQS of 20 ppm. Therefore, even the most congested intersections in SCAQMD's air basin would not experience a CO "hot spot".

The air quality monitoring station closest to the most congested intersection in Los Angeles County (Wilshire Boulevard/Veteran Avenue) is the VA Hospital, West Los Angeles Station (Site ID 060370113) located at Wilshire Boulevard and Sawtelle Boulevard, approximately 0.5 miles to the southwest. Ambient CO levels monitored at this representative monitoring station are outlined in Table 2-20 for the original analysis year (2002), and for the most recent year of available data (2023). As shown, there is noticeable improvement in background levels of CO since the SCAQMD’s regional hotspot analysis.

Table 2-20. Ambient Carbon Monoxide Concentrations for SCAQMD’s Most Congested Intersection

Year	CO Concentration (ppm)	
	Maximum 1-hour	Maximum 8-hour
2002	4.3	2.7
2023	1.2	1.1

Source: EPA 2022a

The City of Chula Vista General Plan EIR evaluated the most impacted intersections as a result of General Plan buildout and predicted a maximum 1-hour concentration of 6.7 ppm (the California standard is 20 ppm and the Federal standard is 35 ppm) and a maximum 8-hour concentration of 5.4 ppm (the California and Federal standards are 9 ppm).

The Local Mobility Analysis prepared for the project by Mizuta Traffic Consulting evaluated Level of Service performance for the project and in all scenarios, traffic volumes were well below the 100,000 vehicles per day.

In addition, the CO “hot spot” analysis performed by the SCAQMD included emissions for 1997 and 2002. Both running exhaust emission factors and idling emission factors predicted by the EMFAC model decreased from 1997 through 2002 as outlined in Table 2-21 below. This decrease in CO emission factors is indicative of a phase-out of older vehicles and increasingly strict emissions standards implemented by CARB. Emission factors for San Diego County from the EMFAC2007 Model, which were used in the General Plan Update analysis, indicated that running exhaust emissions of CO would be less than 6.708 g CO per mile in 2010. Continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion means that the potential for CO hotspots in the SDAB is likely to decrease.

Table 2-21. Carbon Monoxide Emission Factors Predicted by the EMFAC Model

Year	CO Emission Factors (grams CO/mile)	
	Running Exhaust	Idling Exhaust
1997	13.13	2.43
2002	7.98	1.30

Source: South Coast Air Quality Management District 2003

The County of San Diego concluded in its General Plan Update (2011) that because the most congested intersections in San Diego are less congested than those from the SCAB, and because emissions of CO would be lower than those used in the SCAQMD analysis, CO concentrations would be lower within San Diego County, and no CO “hot spots” are anticipated as was concluded in the SCAQMD analysis.

Given that proposed development will not result in traffic that exceeds traffic volumes considered in the County’s General Plan Update analysis, coupled with the considerably low level of CO concentrations in the project area (see Table 2), and continued improvements in vehicle emissions, the project is not anticipated to result in CO “hot spots”. Consequently, implementation of the project would not result in CO concentrations in excess of the health protective CAAQS or NAAQS, and as such, would not expose sensitive receptors to significant pollutant concentrations or health effects. Therefore, impacts related to sensitive receptor exposure to substantial CO concentrations would be less than significant, and no mitigation measures are required.

Toxic Air Contaminants

As discussed in 2.3.3.3, a construction HRA was performed to estimate the Maximum Individual Cancer Risk and the Chronic Hazard Index for existing sensitive receptors (existing residences) as a result of project construction. Results of the construction HRA are presented in Table 2-22.

Table 2-22. Construction Health Risk Assessment Results - Unmitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk – Residential	Per Million	21.78	10	Potentially Significant
Chronic Hazard Index – Residential	Index Value	0.01	1.0	Less than Significant.

Source: Appendix B.

Note: CEQA = California Environmental Quality Act.

As shown in Table 2-22, the DPM emissions from construction of the project would result in a Maximum Individual Cancer Risk of 20 in 1 million and a Chronic Hazard Index of 0.011. The Chronic Hazard Index would be below the 1.0 significance threshold; however, the project would exceed the cancer risk threshold of 10 in a million and would be potentially significant without mitigation.

Mitigation Measure AQ-2 (MM-AQ-2) would require the use of electric infrastructure and specific electric equipment during construction and Mitigation Measure AQ-3 (MM-AQ-3) would require that all diesel-fueled off-road construction equipment greater than 75 horsepower be zero-emissions or equipped with CARB Tier 4 Final compliant engines (as set forth in Section 2423 of Title 13 of the California Code of Regulations, and Part 89 of Title 40 of the Code of Federal Regulations). Table 2-23 summarizes the results of the HRA for project construction after mitigation.

Table 2-23. Construction Health Risk Assessment Results - Mitigated

Impact Parameter	Units	Impact Level	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk – Residential	Per Million	5.60	10	Less than Significant.
Chronic Hazard Index – Residential	Index Value	0.0029	1.0	Less than Significant.

Source: Appendix B

Notes: CEQA = California Environmental Quality Act

As shown in Table 2-23, mitigated project construction activities would result in a Maximum Individual Cancer Risk of 5.60 in 1 million at the maximally exposed residence, which is less than the significance threshold of 10 in 1 million. Mitigated project construction would result in a Chronic Hazard Index of 0.0029, which is below the 1.0 significance threshold. The project construction health risk impacts would be **less than significant after mitigation**.

Operational Health Risk

As discussed in 2.3.3.3, an operational HRA was performed to estimate the Maximum Individual Cancer Risk and the Chronic Hazard Index for existing sensitive receptors (existing residences) as a result of project operations. Results of the operational HRA are presented in Table 2-24.

Table 2-24. Operational Health Risk Assessment Results - Unmitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk – Residential	Per Million	205.74	10	Potentially Significant
Chronic Hazard Index – Residential	Index Value	0.055	1.0	Less than Significant.

Source: Appendix B.

Note: CEQA = California Environmental Quality Act.

As shown in Table 2-24, the DPM emissions from operation of the project would result in a Maximum Individual Cancer Risk of 205 in 1 million and a Chronic Hazard Index of 0.055. The Chronic Hazard Index would be below the 1.0 significance threshold; however, the project would exceed the cancer risk threshold of 10 in a million and would be potentially significant without mitigation.

Mitigation measures are required to minimize operational-related air quality impacts. Mitigation Measure AQ-4 (MM-AQ-4) would require all off-road cargo handling equipment to be zero-emission. Mitigation Measure AQ-5 (MM-AQ-5) would require any emergency generator used on the site to be Tier 4 Final. Mitigation Measure AQ-6 (MM-AQ-6) would reduce emissions from diesel-fueled trucks. Table 2-25 summarizes the mitigated operational health risk levels associated with the project.

Table 2-25. Operational Health Risk Assessment Results - Mitigated

Impact Parameter	Units	Impact Level	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk – Residential	Per Million	7.65	10	Less than Significant.
Chronic Hazard Index – Residential	Index Value	0.002	1.0	Less than Significant.

Source: Appendix B.

Notes: CEQA = California Environmental Quality Act

As shown in Table 2-25, mitigated project operations would result in a Maximum Individual Cancer Risk of 7.65 in 1 million at the maximally exposed residence, which is less than the significance threshold of 10 in 1 million. Mitigated project operations would result in a Chronic Hazard Index of 0.002, which is below the 1.0 significance threshold. The project operational health risk impacts would be **less-than-significant after mitigation**.

Health Effects of Criteria Air Pollutants

Construction and operation of the project would not result in emissions that exceed SDAPCD's emission thresholds for any criteria air pollutants. The SDAPCD thresholds are based on the SDAB complying with the NAAQS and CAAQS which are protective of public health; therefore, no adverse effects to human health would result from the project. The following provides a general discussion of criteria air pollutants and their health effects.

Regarding VOCs, some VOCs would be associated with motor vehicles and construction equipment, while others are associated with architectural coatings and asphalt off-gassing, the emissions of which would not result in exceedances of County of San Diego thresholds. Generally, the VOCs in architectural coatings and asphalt are of relatively low toxicity. Additionally, SDAPCD Rule 67.0.1 restricts the VOC content of coatings for both construction and operational applications.

In addition, VOCs and NO_x are precursors to O₃, for which the SDAB is designated as nonattainment with respect to the NAAQS and CAAQS (the SDAB is designated by EPA as an attainment area for the 1-hour O₃ NAAQS standard and 1997 8-hour NAAQS standard). The health effects associated with O₃, as discussed in Section 2.1.2, Criteria Air Pollutants, are generally associated with reduced lung function. The contribution of VOCs and NO_x to regional ambient O₃ concentrations is the result of complex photochemistry. The increases in O₃ concentrations in the SDAB due to O₃ precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O₃ concentrations would also depend on the time of year that the VOC emissions would occur because exceedances of the O₃ NAAQS and CAAQS tend to occur between April and October when solar radiation is highest. The holistic effect of a single project's emissions of O₃ precursors is speculative due to the lack of quantitative methods to assess this impact. Nonetheless, the VOC and NO_x emissions associated with Project construction could minimally contribute to regional O₃ concentrations and the associated health impacts. Due to the minimal contribution during construction and operation, as well as the existing good air quality in coastal San Diego areas, health impacts would be considered less than significant.

Regarding NO₂, which is a constituent of NO_x, construction of the Project would not contribute to exceedances of the NAAQS and CAAQS for NO₂ since NO_x emissions would be less than the applicable SDAPCD threshold. As described in Section 3.1, NO₂ health impacts are associated with respiratory irritation, which may be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, these operations would be relatively short term, and the off-road construction equipment would be operating on various portions of the site and would not be concentrated in one portion of the site at any one time. Construction of the Project would not require any stationary emission sources that would create substantial, localized NO₂ impacts.

As discussed earlier, PM_{2.5} and PM₁₀ pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM_{2.5} and PM₁₀ can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Similar to O₃, construction of the Project would not exceed thresholds for PM₁₀ or PM_{2.5} and would not contribute to exceedances of the NAAQS and CAAQS for particulate matter. Due to the minimal contribution of particulate matter during construction and operation, health impacts would be considered less than significant.

Based on the preceding considerations, health impacts from project-related criteria air pollutant emissions would be considered **less than significant**.

Level of Significance Before Mitigation

The Project would cause a **potentially significant impact** to sensitive receptors during construction and operations from DPM emissions.

Mitigation Measures

Mitigation Measure AQ-2 Provision of Electrical Infrastructure for Construction and Use of Electric Construction Equipment. After the grading phase of Project construction, the Project Applicant or successor in interest shall provide temporary electrical hook ups to the power grid, rather than diesel-fueled generators, for contractors' electric construction tools, such as saws, drills and compressors. The use of diesel-fueled generators for on-site construction activities shall be prohibited unless electrical infrastructure is not yet available on the Project site. Diesel-fueled generators may be used for off-site construction work. All off-road equipment with a power rating below 19 kilowatts (e.g., plate compactors, pressure washers) used during Project construction must be electric-powered. The Project Applicant or successor in interest shall include these requirements in applicable bid documents, purchase orders, and contracts with successful contractors.

Mitigation Measure AQ-3 Tier 4 Final Construction Equipment. Prior to the commencement of any construction activities, the applicant or its designee shall provide evidence to the City of Chula Vista (City) that for off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 4 Final. In the event of changed circumstances (e.g., changes in availability of specific types of construction equipment), the applicant may submit a request to the City to apply an equivalent method of achieving project-generated construction emissions that fall below the numeric cancer risk standards established by the South Coast Air Quality Management District (SCAQMD). Documentation using industry-standard emission estimation methodologies shall be furnished to the City Community Development Department demonstrating that estimated project-generated construction emissions would not exceed the applicable SCAQMD cancer risk threshold with the alternate construction method(s). If the documentation demonstrates project-generated construction emissions will remain below the applicable SCAQMD cancer risk threshold, then the City may approve the alternate construction method(s) at the Development Director's discretion. Required construction equipment fleet and methodologies approved by the City shall be included in the in the contract specifications for the applicant's contractor

Mitigation Measure AQ-4 Cargo Handling Equipment. All cargo handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, and forklifts) shall be zero-emission vehicles. Each

building shall include the necessary charging stations or other necessary infrastructure for cargo handling equipment. The building manager or their designee shall be responsible for enforcing these requirements.

Mitigation Measure AQ-5 Tier 4 Emergency Generators. The project operations shall be conditioned to operate with Tier 4 Final certified emergency generators.

Mitigation Measure AQ-6 Truck Requirements and Restrictions. Prior to issuance of a building permit, the City shall confirm the following:

- The loading docks shall be designed to accommodate SmartWay trucks.
- Applicant shall provide project specifications, drawings, and calculations that demonstrate that main electrical supply lines and panels have been sized to support heavy truck charging facilities when these trucks become available.
 - The calculations shall be based on reasonable predictions from currently available truck manufacturer's data. Electrical system upgrades that exceed reasonable costs shall not be required.

Prior to issuance of a certificate of occupancy, the City shall confirm the following:

- Any tenant lease agreement shall require tenants that do not already operate 2010 and newer trucks to apply in good faith for funding to replace/retrofit their trucks, such as Carl Moyer, VIP, Prop 1B, SmartWay Finance, or other similar funds. If awarded, the tenant shall be required to accept and use the funding. Tenants shall be encouraged to consider the use of alternative fueled trucks, as well as new or retrofitted diesel trucks. Tenants shall also be encouraged to become SmartWay Partners, if eligible. This measure shall not apply to trucks that are not owned or operated by the facility operator or facility tenants since it would be legally infeasible to prohibit access to the site by any truck that is otherwise legal to operate on California roads and highways.
- Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (CARB) anti-idling regulations. At a minimum, each sign shall include instructions for truck drivers to shut off engines when not in use; instructions for drivers of diesel trucks to restrict idling to no more than 5 minutes once the vehicle is stopped, the transmission is set to "neutral" or "park," and the parking brake is engaged; and telephone numbers of the building facilities manager and CARB to report violations. Prior to the issuance of an occupancy permit, the City shall conduct a site inspection to ensure that the signs are in place.

Level of Significance After Mitigation

As shown in Tables 2-23 and 2-25, the project's construction and operational health risks would be reduced to a less than significant level after implementation of mitigation. The project impacts to sensitive receptors would be **less-than-significant after mitigation**.

2.4.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Construction

Odors would be generated from vehicles and/or equipment exhaust emissions during construction of the project. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and architectural coatings. Such odors are temporary and for the types of construction activities anticipated for Project components, would generally remain localized and occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be considered **less than significant**.

Operational

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, there are no quantitative or formulaic methodologies to determine if potential odors would have a significant impact. Examples of land uses and industrial operations that are commonly associated with odor complaints include agricultural uses, wastewater treatment plants, food processing facilities, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding facilities. In addition to the odor source, the distance between the sensitive receptor(s) and the odor source, as well as the local meteorological conditions, are considerations in the potential for a project to frequently expose the public to objectionable odors. Although localized air quality impacts are focused on potential impacts to sensitive receptors, such as residences and schools, other land uses where people may congregate (e.g., workplaces) or uses with the intent to attract people (e.g., restaurants and visitor-serving accommodations) should also be considered in the evaluation of potential odor nuisance impacts. The project is a commercial development, which is not expected to produce any nuisance odors; therefore, impacts related to odors caused by the project would be **less than significant**.

Level of Significance Before Mitigation

The project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people; the impact would be **less than significant**.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be **less than significant**.

3 Greenhouse Gas Emissions

3.1 Environmental Setting

3.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2022c).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows: Short-wave radiation emitted by the Sun is absorbed by the Earth; the Earth emits a portion of this energy in the form of long-wave radiation; and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-20th century and is the most significant driver of observed climate change (IPCC 2014; EPA 2022c). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2014). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2014). Continued emissions of GHGs will cause further warming and changes in all components of the climate system, which is discussed further in Section 3.1.5, Potential Effects of Climate Change.

3.1.2 Greenhouse Gases and other Climate Forcing Substances

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. GHGs include, but are not limited to, carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), ozone (O₃), water vapor, hydrofluorocarbons (HFCs), hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆).⁷ Some GHGs, such as CO₂, CH₄, and N₂O, occur naturally and are emitted to the

⁷ California Health and Safety Code 38505 identifies seven GHGs that CARB is responsible to monitor and regulate to reduce emissions: CO₂, CH₄, N₂O, SF₆, HFCs, PFCs, and NF₃.

atmosphere through natural processes and human activities. Of these gases, CO₂ and CH₄ are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO₂, include fluorinated gases, such as HFCs, HCFCs, PFCs, and SF₆, which are associated with certain industrial products and processes. A summary of the most common GHGs and their sources is included in the following text.⁸ Also included is a discussion of other climate forcing substances.

Carbon Dioxide (CO₂). CO₂ is a naturally occurring gas and a by-product of human activities and is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO₂ include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO₂ are from the combustion of fuels such as coal, oil, natural gas, and wood and changes in land use.

Methane (CH₄). CH₄ is produced through both natural and human activities. CH₄ is a flammable gas and is the main component of natural gas. Methane is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide (N₂O). N₂O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N₂O. Sources of N₂O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers, manure management, industrial processes (such as in nitric acid production, nylon production, and fossil-fuel-fired power plants), vehicle emissions, and using N₂O as a propellant (such as in rockets, racecars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric ozone-depleting substances (e.g., CFCs, HCFCs, and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to ozone-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, with HFCs, to the ozone depleting substances. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.
- **Sulfur Hexafluoride:** SF₆ is a colorless gas soluble in alcohol and ether and slightly soluble in water. SF₆ is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** NF₃ is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

⁸ The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report (2007), CARB's Glossary of Air Pollution Terms (2023i), and EPA's Glossary of Climate Change Terms (2016).

Chlorofluorocarbons (CFCs). CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere) and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O₃.

Hydrochlorofluorocarbons (HCFCs). HCFCs are a large group of compounds, whose structure is very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of fine particulate matter, which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influences cloud formation, and darkens the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is a short-lived species that varies spatially, which makes it difficult to quantify the global warming potential. Diesel particulate matter emissions are a major source of black carbon and are toxic air contaminants (TACs) that have been regulated and controlled in California for several decades to protect public health. In relation to declining diesel particulate matter from the California Air Resources Board's (CARB's) regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have reduced by 70% between 1990 and 2010, with 95% control expected by 2020 (CARB 2014).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere and maintains a climate necessary for life.

Ozone (O₃). Tropospheric O₃, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O₃, which is created by the interaction between solar ultraviolet radiation and molecular oxygen (O₂), plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O₃, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

3.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2022c). The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of

a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO₂; therefore, GWP-weighted emissions are measured in metric tons CO₂ equivalent (MT CO₂e).

The current version of the CalEEMod (version 2022) assumes that the GWP for CH₄ is 25 (so emissions of 1 MT of CH₄ are equivalent to emissions of 25 MT of CO₂), and the GWP for N₂O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the project.

3.1.4 Sources of Greenhouse Gas Emissions

Global Inventory

Anthropogenic GHG emissions worldwide in 2020 (the most recent year for which data is available) totaled approximately 49,800 million metric tons (MMT) of CO₂e, excluding land use change and forestry (PBL 2022). The top six GHG emitters include China, the United States, the Russian Federation, India, Japan, and the European Union, which accounted for approximately 60% of the total global emissions, or approximately 30,270 MMT CO₂e (PBL 2022). Table 3-1 presents the top GHG-emissions-producing entities.

Table 3-1. Six Top GHG Producer Entities

Emitting Countries	2020 GHG Emissions (MMT CO ₂ e) ^{a,b}
China	14,300
United States	5,640
European Union	3,440
India	3,520
Russian Federation	2,210
Japan	1,160
Total	30,270

Source: PBL 2022.

Notes: MMT CO₂e = million metric tons of carbon dioxide equivalent.

^a Column may not add due to rounding.

^b GHG emissions do not include land use change and forestry-related GHG emissions.

National Inventory

Per the EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990 to 2021, total United States GHG emissions were approximately 6,340.2 MMT CO₂e in 2021 (EPA 2023a). Total U.S. emissions have decreased by 2.3 percent from 1990 to 2021, down from a high of 15.8 percent above 1990 levels in 2007. Emissions increased from 2020 to 2021 by 5.2 percent (314.3 MMT CO₂e). Net emissions (i.e., including sinks) were 5,586.0 MMT CO₂e in 2021. Overall, net emissions increased 6.4 percent from 2020 to 2021 and decreased 16.6 percent from 2005 levels. Between 2020 and 2021, the increase in total GHG emissions was driven largely by an increase in CO₂ emissions from fossil fuel combustion due to economic activity rebounding after the height of the COVID-19 pandemic. The CO₂ emissions from fossil fuel combustion increased by 6.8 percent from 2020 to 2021, including a 11.4 percent increase in transportation sector emissions and a 7.0 percent increase in electric power sector emissions. The increase in electric power sector emissions was due in part to an increase in electricity demand of 2.4 percent since 2020. Overall, there has been a decrease in electric power sector emissions from 1990 through 2021, which reflects the combined impacts of long-term trends in many factors, including population, economic

growth, energy markets, technological changes including energy efficiency, and the carbon intensity of energy fuel choices (EPA 2023a).

State Inventory

According to California’s 2000–2020 GHG emissions inventory (2022 edition), California emitted approximately 369.2 MMT CO_{2e} in 2020, including emissions resulting from out-of-state electrical generation (CARB 2022a). The sources of GHG emissions in California include transportation, industry, electric power production from both in-state and out-of-state sources, residential and commercial activities, agriculture, high-GWP substances, and recycling and waste. Table 2 presents California GHG emission source categories and their relative contributions to the emissions inventory in 2020.

Between 2000 and 2019, per-capita GHG emissions in California have dropped from a peak of 14.0 MT per person in 2001 to 10.5 MT per person in 2019, representing an approximate 25% decrease. In addition, total GHG emissions in 2019 were approximately 7 MMT CO_{2e} lower than 2018 emissions (CARB 2022a).

Table 3-2. GHG Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO _{2e})	Percent of Total*
Transportation	145.6	38.2%
Industrial uses	73.9	19.4%
Electricity generation ^a	62.4	16.4%
Residential and commercial uses	38.8	10.2%
Agriculture and Forestry	30.9	8.1%
High GWP substances	21.3	5.6%
Recycling and waste	8.4	2.2%
Totals	381.3	100%

Source: CARB 2023j

Notes: GHG = greenhouse gas; GWP = global warming potential; MMT CO_{2e} = million metric tons of carbon dioxide equivalent. Emissions reflect 2020 California GHG inventory.

Totals may not sum due to rounding.

^a Includes emissions associated with imported electricity, which account for 19.82 MMT CO_{2e}.

Per capita GHG emissions in California have dropped from a 2001 peak of 13.8 MT per person to 9.7 MT per person in 2021, a 30% decrease. In 2016, statewide GHG emissions dropped below the 2020 GHG Limit of 431 MMT CO_{2e} and have remained below the limit since that time (CARB 2022a).

Local Inventories

As part of Chula Vista’s climate action program and its commitment to reduce GHG emissions, the Economic Development Department’s Conservation Section performs emission inventories to identify GHG sources and to help guide policy decisions. The 2020 GHG Emissions Inventory is the City’s latest evaluation of its progress in reaching its emissions reduction goal and builds upon past inventory efforts.

In 2020, community GHG emissions from Chula Vista totaled 1,098,000 MT CO_{2e} (City of Chula Vista, 2017). The sector with the greatest level of emissions was transportation or mobile sources at 581,000 MT CO_{2e} or fifty three

percent (53%) of total emissions. The electricity sector was the second highest source at 260,000 MT CO_{2e} representing 24% of total community emissions, followed by the natural gas energy use at 191,000 MT CO_{2e} or 17% of total emission and the lowest contributor to total MT CO_{2e} was solid waste at 50,000 MT CO_{2e} or 5% of the total. Compared to 2005 and 2018, total citywide emissions in 2020 were 17% and 4% lower. 2020 per capita emissions are approximately 37% below 2005 levels and 11% below 2018 levels. Emissions from all energy sectors have decreased by 4% or 21,000 MT CO_{2e} in total since 2005. Transportation-based emissions are estimated to have decreased 19% or 136,000 MT CO_{2e} since 2005 and 87,000 MT CO_{2e} or 13%, since 2018. The solid waste sector had emissions 18% below the 2005 baseline and 4% lower than 2018. Emissions from water (embedded energy) were eight 8% above 2018 emissions but are still 74% below the baseline. Emissions from wastewater remained even at 3,000 MT CO_{2e} (Chula Vista 2022).

3.1.5 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 IPCC Synthesis Report indicated that warming of the climate system is unequivocal and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, and rising sea levels (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, frequency of severe weather events, and electricity demand and supply. The primary effect of global climate change has been a rise in average global tropospheric temperature. Reflecting the long-term warming trend since pre-industrial times, observed global mean surface temperature for the decade 2006–2015 was 0.87°C (1.6°F) (likely between 0.75°C [1.4°F] and 0.99°C [1.8°F]) higher than the average over the 1850–1900 period (IPCC 2018). Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Human activities are estimated to have caused approximately 1.0°C (1.8°F) of global warming above pre-industrial levels, with a likely range of 0.8°C to 1.2°C (1.4°F to 2.2°F) (IPCC 2018). Global warming is likely to reach 1.5°C (2.7°F) between 2030 and 2052 if it continues to increase at the current rate (IPCC 2018).

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The Office of Environmental Health Hazard Assessment identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernible evidence that climate change is occurring in California and is having significant, measurable impacts in the state. Changes in the state's climate have been observed, including an increase in annual average air temperature with record warmth from 2012 to 2016, more frequent extreme heat events, more extreme drought, a decline in winter chill, an increase in cooling degree days and a decrease in heating degree days, and an increase in variability of statewide precipitation (OEHHA 2018).

Warming temperatures and changing precipitation patterns have altered California's physical systems—the ocean, lakes, rivers, and snowpack—upon which the state depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the state's annual water supply. Impacts of climate on physical systems have been observed such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in snowmelt runoff, glacier change (loss in area), rise in sea

levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters (OEHHA 2018).

Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed, including climate change impacts on terrestrial, marine, and freshwater ecosystems. As with global observations, species responses include those consistent with warming: elevational or latitudinal shifts in range, changes in the timing of key plant and animal life cycle events, and changes in the abundance of species and in community composition. Humans are better able to adapt to a changing climate than plants and animals in natural ecosystems. Nevertheless, climate change poses a threat to public health as warming temperatures and changes in precipitation can affect vector-borne pathogen transmission and disease patterns in California as well as the variability of heat-related deaths and illnesses. In addition, since 1950, the area burned by wildfires each year has followed an increasing trend overall.

CNRA has released four California Climate Change Assessments (in 2006, 2009, 2012, and 2018), which have addressed the following: acceleration of warming across the state, more intense and frequent heat waves, greater riverine flows, accelerating sea level rise, more intense and frequent drought, more severe and frequent wildfires, more severe storms and extreme weather events, shrinking snowpack and less overall precipitation, and ocean acidification, hypoxia, and warming. To address local and regional governments' need for information to support action in their communities, the Fourth Assessment (CNRA 2019) includes reports for nine regions of the state. Key highlights for the San Diego Region include the following (CNRA 2019):

- Temperature is projected to increase substantially, along with mean temperature, heat wave frequency will increase, with more intensity and longer duration.
- Precipitation will remain highly variable but will change in character, with wetter winters, drier springs, and more frequent and severe droughts punctuated by more intense individual precipitation events.
- Wildfire risk will increase in the future as climate warms. The risk for large catastrophic wildfires driven by Santa Ana wind events will also likely increase as a result of a drier autumns leading to low antecedent precipitation before the height of the Santa Ana wind season.
- The sea level along San Diego County is expected to rise. High tides combined with elevated shoreline water levels produced by locally and distantly driven wind-driven waves will drive extreme events. Longer-term sea level will increase rapidly in the second half of the century and will be punctuated by short periods of storm-driven extreme sea levels that will imperil existing infrastructure, structures, and ecosystems with increasing frequency.

3.2 Regulatory Setting

3.2.1 Federal

Massachusetts v. EPA. In *Massachusetts v. EPA* (April 2007), the U.S. Supreme Court directed the U.S. Environmental Protection Agency (EPA) administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed

a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act (CAA):

- The Administrator found that elevated concentrations of GHGs—carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), ozone (O₃), water vapor, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆)—in the atmosphere threaten the public health and welfare of current and future generations. This is the “endangerment finding.”
- The Administrator further found the combined emissions of GHGs—CO₂, CH₄, N₂O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the “cause or contribute finding.”

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Energy Independence and Security Act. The Energy Independence and Security Act of 2007 (December 2007), among other key measures, would do the following, which would aid in the reduction of national GHG emissions:

1. Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel by 2022.
2. Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
3. Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards. In response to a U.S. Supreme Court ruling, the Bush Administration issued Executive Order (EO) 13432 in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016 (75 FR 25324–25728).

In 2010, President Barack Obama issued a memorandum directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO₂ by model year 2025 on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021 (77 FR 62624–63200). On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks (EPA 2022b).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018 (76

FR 57106–57513). The standards for CO₂ emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6%–23% over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO₂ emissions by approximately 1.1 billion metric tons (MT) and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

In August 2018, the EPA and NHTSA proposed to amend certain fuel economy and GHG standards for passenger cars and light trucks and establish new standards for model years 2021 through 2026. Compared to maintaining the post-2020 standards in place at the time, the 2018 proposal would increase U.S. fuel consumption by about half a million barrels per day (2%–3% of total daily consumption, according to the Energy Information Administration) and would impact the global climate by 3/1000th of 1 °C by 2100 (EPA and NHTSA 2018). California and other states have stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures, and have committed to cooperating with other countries to implement global climate change initiatives.

In 2019, the EPA and NHTSA published the Safer Affordable Fuel-Efficient Vehicles Rule Part One: One National Program (SAFE-1), which revoked California’s authority to set its own GHG emissions standards and set zero-emission vehicle (ZEV) mandates in California. In March 2020, Part Two was issued which set CO₂ emissions standards and corporate average fuel economy standards for passenger vehicles and light-duty trucks for model years 2021 through 2026. In response to EO 13990, on December 21, 2021, NHTSA finalized the corporate average fuel economy (CAFE) Preemption rulemaking to withdraw its portions of the Part One Rule. The final rule concluded that the Part One Rule overstepped the agency’s legal authority and established overly broad prohibitions that did not account for a variety of important state and local interests.

Then, in March 2022, NHTSA established new fuel economy standards that would require an industry-wide fleet average of approximately 49 miles per gallon for passenger cars and light trucks in model year 2026, by increasing fuel efficiency by 8% annually for model years 2024 and 2025, and 10% annually for model year 2026.

Inflation Reduction Act of 2022. The Inflation Reduction Act was signed into law by President Biden in August 2022. The bill includes specific investment in energy and climate reform and is projected to reduce GHG emissions within the U.S. by 40% as compared to 2005 levels by 2030. The bill allocates funds to boost renewable energy infrastructure (e.g., solar panels and wind turbines), includes tax credits for the purchase of electric vehicles, and includes measures that will make homes more energy efficient.

3.2.2 State

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state regulations and goals. The following text describes executive orders (EO), legislation [assembly bills (AB) and senate

bills (SB)], regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

The state has taken several actions to address climate change. These include executive orders, legislation, and CARB plans and requirements. These are summarized below.

Executive Order (EO) S-3-05. EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, GHG emissions should be reduced to 1990 levels by 2020, and GHG emissions should be reduced to 80% below 1990 levels by 2050.

EO S-3-05 also directed the California EPA to report biannually on progress made toward meeting the GHG targets and the impacts to California due to global warming, including impacts to water supply, public health, agriculture, the coastline, and forestry. The Climate Action Team was formed, which subsequently issued reports from 2006 to 2010 (CAT 2016).

Assembly Bill (AB) 32. In furtherance of the goals established in EO S-3-05, the legislature enacted AB 32 (Núñez and Pavley). The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive multiyear program to limit California's GHG emissions at 1990 levels by 2020 and initiate the transformations required to achieve the state's long-range climate objectives.

EO B-30-15. EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing statewide GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80% below 1990 levels by 2050, as set forth in EO S-3-05. To facilitate achievement of this goal, EO B-30-15 calls for an update to CARB's Scoping Plan to express the 2030 target in terms of MMT CO_{2e}. The executive order also calls for state agencies to continue to develop and implement GHG emissions reduction programs in support of the reduction targets. Sector-specific agencies in transportation, energy, water, and forestry were required to prepare GHG reduction plans by September 2015, followed by a report on action taken in relation to these plans in June 2016. EO B-30-15 does not require local agencies to take any action to meet the new interim GHG reduction target.

Senate Bill (SB) 32 and AB 197. SB 32 and AB 197 (enacted in 2016) are companion bills that set a new statewide GHG reduction targets, make changes to CARB's membership and increase legislative oversight of CARB's climate change-based activities, and expand dissemination of GHG and other air-quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to CARB as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and toxic air contaminants (TACs) from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

EO B-55-18. EO B-55-18 (September 2018) establishes a statewide policy for the state to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net-negative emissions thereafter. The goal is an addition to the existing statewide targets of reducing the state’s GHG emissions. CARB will work with relevant state agencies to ensure that future scoping plans identify and recommend measures to achieve the carbon neutrality goal.

AB 1279. The Legislature enacted AB 1279, the California Climate Crisis Act, in September 2022. The bill declares the policy of the state to achieve net zero GHG emissions as soon as possible, but no later than 2045, and achieve and maintain net negative GHG emissions thereafter. Additionally, the bill requires that by 2045, statewide anthropogenic GHG emissions be reduced to at least 85% below 1990 levels. Although AB 1279 establishes an overall policy to achieve net zero greenhouse gas emissions as soon as possible, but no later than 2045, recognizing the need to implement carbon dioxide removal and carbon capture, utilization and storage technologies, the Legislature established a specific target of 85% below 1990 levels by 2045 for anthropogenic GHG emissions. Therefore, the net zero target does not directly apply to development projects, but the 2045 target of 85% below 1990 levels represents the reductions required to contribute to accomplishing the State’s overall net zero policy.

California Air Resources Board’s Climate Change Scoping Plan. One specific requirement of AB 32 was for CARB to prepare a scoping plan for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code Section 38561[a]), and to update the plan at least once every 5 years. In 2008, CARB approved the first scoping plan. The Climate Change Scoping Plan: A Framework for Change (Scoping Plan) included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emissions limit and initiate the transformations needed to achieve the state’s long-range climate objectives. The key elements of the Scoping Plan include the following (CARB 2008):

1. Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
2. Achieving a statewide renewable energy mix of 33%.
3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California’s GHG emissions.
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets.
5. Adopting and implementing measures pursuant to existing state laws and policies, including California’s clean car standards, goods movement measures, and the Low Carbon Fuel Standard (17 CCR 95480 et seq.).
6. Creating targeted fees, including a public goods charge on water use, fees on high global warming potential (GWP) gases, and a fee to fund the administrative costs of the State of California’s long-term commitment to AB 32 implementation.

The Scoping Plan also identified local governments as essential partners in achieving California’s goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations, and for community emissions to reduce GHGs by approximately 15% from then levels (2008) by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the state's GHG emission reduction priorities for the next 5 years, and laid the groundwork to start the transition to the post-2020 goals set forth in EO S-3-05 and EO B-16-2012. The First Update concluded that California is on track to meet the 2020 target but recommended a 2030 mid-term GHG reduction target be established to ensure a continuum of action to reduce emissions. The First Update recommended a mix of technologies in key economic sectors to reduce emissions through 2050, including energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies. As part of the First Update, CARB recalculated the state's 1990 emissions level, using more recent GWPs identified by the Intergovernmental Panel on Climate Change (IPCC), from 427 MMT CO_{2e} to 431 MMT CO_{2e} (CARB 2014).

In 2015, as directed by EO B-30-15, CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. The governor called on California to pursue a new and ambitious set of strategies, in line with the five climate change pillars from his inaugural address, to reduce GHG emissions and prepare for the unavoidable impacts of climate change. In the summer of 2016, the legislature affirmed the importance of addressing climate change through passage of SB 32.

In December 2017, CARB adopted California's 2017 Climate Change Scoping Plan (2017 Scoping Plan) for public review and comment (CARB 2017). The 2017 Scoping Plan builds on the successful framework established in the initial Scoping Plan and First Update while identifying new, technologically feasible and cost-effective strategies that will serve as the framework to achieve the 2030 GHG target as established by SB 32 and define the state's climate change priorities to 2030 and beyond. The strategies' commitments include implementing renewable energy and energy efficiency strategies (including the mandates of SB 350), increasing stringency of the Low Carbon Fuel Standard, implementing measures identified in the Mobile Source and Freight Strategies, implementing measures identified in the proposed Short-Lived Climate Pollutant Reduction Strategy, and increasing stringency of SB 375 targets. To fill the gap in additional reductions needed to achieve the 2030 target, it recommends continuing the Cap-and-Trade Program and a measure to reduce GHGs from refineries by 20%.

For local governments, the 2017 Scoping Plan replaced the initial Scoping Plan's 15% reduction goal with a recommendation to aim for a community-wide goal of no more than 6 MT CO_{2e} per capita by 2030, and no more than 2 MT CO_{2e} per capita by 2050, which are consistent with the state's long-term goals. These goals are also consistent with the Under 2 Memorandum of Understanding (Under 2 2016) and the Paris Agreement, which are developed around the scientifically based levels necessary to limit global warming to below 2° C. The 2017 Scoping Plan recognized the benefits of local government GHG planning (e.g., through Climate Action Plans (CAPs)) and provided more information regarding tools CARB is working on to support those efforts. It also recognized the CEQA streamlining provisions for project-level review where there is a legally adequate CAP.⁹

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32, SB 32, and the executive orders, and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. A project is considered consistent with the statutes and executive orders if it meets the

⁹ *Sierra Club v. County of Napa* (2004) 121 Cal.App.4th 1490; *San Francisco Tomorrow et al. v. City and County of San Francisco* (2015) 229 Cal.App.4th 498; *San Franciscans Upholding the Downtown Specific Plan v. City and County of San Francisco* (2002) 102 Cal.App.4th 656; *Sequoyah Hills Homeowners Assn. v. City of Oakland* (1993) 23 Cal.App.4th 704, 719.

general policies in reducing GHG emissions to facilitate the achievement of the state's goals and does not impede attainment of those goals. A project would be consistent if it will further the objectives and not obstruct their attainment.

CARB adopted the 2022 Scoping Plan Update in December 2022, which outlines the state's plan to reach carbon neutrality by 2045 or earlier, while also assessing the progress the state is making toward reducing GHG emissions by at least 40% below 1990 levels by 2030, as is required by SB 32 and laid out in the Second Update. The carbon neutrality goal requires CARB to expand proposed actions from only the reduction of anthropogenic sources of GHG emissions to also include those that capture and store carbon (e.g., through natural and working lands, or mechanical technologies). The carbon reduction programs build on and accelerate those currently in place, including moving to zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines); and scaling up new options such as green hydrogen (CARB 2022b).

The 2022 Scoping Plan also emphasizes that there is no realistic path to carbon neutrality without carbon removal and sequestration, and to achieve the state's carbon neutrality goal, carbon reduction programs must be supplemented by strategies to remove and sequester carbon. Strategies for carbon removal and sequestration include carbon capture and storage from anthropogenic point sources, where CO₂ is captured as it leaves a facility's smokestack and is injected into geologic formations or used in industrial materials (e.g., concrete); and carbon dioxide removal from ambient air, through mechanical (e.g., direct air capture with sequestration) or nature-based (e.g., management of natural and working lands) applications.

The 2022 Scoping Plan included Appendix D, Local Actions, which includes recommendations intended to build momentum for local government actions that align with the State's climate goals, with a focus on local GHG reduction strategies (commonly referred to as climate action planning) and approval of new land use development projects, including through environmental review under CEQA. The recommendations provided in Appendix D are non-binding and should not be interpreted as a directive to local governments, but rather as evidence-based analytical tools to assist local governments with their role as essential partners in achieving California's climate goals. Appendix D recognizes consistency with a CEQA-qualified GHG reduction plan such as a Climate Action Plan as a preferred option for evaluating potential GHG emission impacts under CEQA. Absent a qualified GHG reduction plan, Appendix D provides additional potential threshold options including key attributes that residential and mixed-use projects should achieve that would align with the State's climate goals, a net-zero threshold, and use of air district recommended thresholds of significance.¹⁰

SB 605 and SB 1383. SB 605 (2014) required CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state, and SB 1383 (2016) required CARB to approve and implement that strategy by January 1, 2018. The Short-Lived Climate Pollutants Reduction Strategy was approved by CARB in March 2017, and lays out a range of options to reduce short-lived climate pollutant emissions in California, including regulations, incentives, and other market-supporting activities. SB 1383 also establishes specific targets for the reduction of short-lived climate pollutants (40% below 2013 levels by 2030 for CH₄ and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon), and provides direction for reductions from dairy and livestock operations and landfills. Accordingly, and as mentioned above, CARB adopted its Short-Lived Climate Pollutant

¹⁰ The threshold approaches outlined in the 2022 Scoping Plan, Appendix D, are recommendations only and are not requirements; they do not supplant lead agencies' discretion to develop their own evidence-based approaches for determining whether a project would have a potentially significant impact on GHG emissions.

Reduction Strategy in March 2017. This strategy establishes a framework for the statewide reduction of emissions of black carbon, CH₄, and fluorinated gases.

Building Energy

Title 24, Part 6. Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California’s building standards. Although not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and California Energy Commission (CEC), and revised if necessary (California Public Resources Code [PRC] Section 25402[b][1]). The regulations receive input from members of industry and the public, with the goal of “reducing of wasteful, uneconomic, inefficient, or unnecessary consumption of energy” (PRC Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (PRC Section 25402[d]) and cost effectiveness (PRC Sections 25402[b][2] and [b][3]). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2022 Title 24 standards are the currently applicable building energy efficiency standards, and became effective on January 1, 2023. The 2022 Title 24 standards improve upon the 2019 standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The CEC adopted the 2022 Title 24 Energy Code in August 2021 and the California Building Standards Commission approved incorporating the updated code into the California Building Standards Code (CALGreen) in December 2021. The 2022 Energy Code went into effect on January 1, 2023. The 2022 Energy Code focuses on four key areas in newly constructed homes and businesses:

- Encouraging electric heat pump technology for space and water heating, which consumes less energy and produces fewer emissions than gas-powered units.
- Establishing electric-ready requirements for single-family homes to position owners to use cleaner electric heating, cooking, and electric vehicle (EV) charging options whenever they choose to adopt those technologies.
- Expanding solar photovoltaic (PV) system and battery storage standards to make clean energy available onsite and complement the state’s progress toward a 100% clean electricity grid.
- Strengthening ventilation standards to improve indoor air quality.

Title 24, Part 11. In addition to the CEC’s efforts, in 2008, the California Building Standards Commission adopted the nation’s first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as California’s Green Building Standards (CALGreen), and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings, schools, and hospitals. The CALGreen 2022 standards, which are the current standards, became effective January 1, 2023.

Title 20. Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through the CEC to

demonstrate compliance with standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing for each type of appliance covered under the regulations, and appliances must meet the standards for energy performance, energy design, water performance, and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

AB 1109. Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general-purpose lighting to reduce electricity consumption by 50% for indoor residential lighting and by 25% for indoor commercial lighting.

SB 1. SB 1 (Murray) (August 2006) established a \$3 billion rebate program to support the goal of the state to install rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. SB 1 added sections to the Public Resources Code, including Chapter 8.8 (California Solar Initiative), that require building projects applying for ratepayer-funded incentives for photovoltaic systems to meet minimum energy efficiency levels and performance requirements. Section 25780 established that it is a goal of the state to establish a self-sufficient solar industry. The goals included establishing solar energy systems as a viable mainstream option for homes and businesses within 10 years of adoption, and placing solar energy systems on 50% of new homes within 13 years of adoption. SB 1, also termed “Go Solar California,” was previously titled “Million Solar Roofs.”

California AB 1470 (Solar Water Heating). This bill established the Solar Water Heating and Efficiency Act of 2007. AB 1470 makes findings and declarations of the Legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand. AB 1470 defines several terms for purposes of the act. The bill required a commission to evaluate the data available from a specified pilot program, and to design and implement a program of incentives for the installation of 200,000 solar water heating systems in homes and businesses throughout the state by 2017.

Renewable Energy and Energy Procurement

SB 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities.

Under the program, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location.

SB 1368. SB 1368 (September 2006) required the CEC to develop and adopt regulations for GHG emission performance standards for the long-term procurement of electricity by local publicly owned utilities. These standards must be consistent with the standards adopted by the California Public Utilities Commission.

EO S-14-08. EO S-14-08 (November 2008) focused on the contribution of renewable energy sources to meet the electrical needs of California while reducing the GHG emissions from the electrical sector. This EO required that all retail suppliers of electricity in California serve 33% of their load with renewable energy by 2020. Furthermore, the EO directed state agencies to take appropriate actions to facilitate reaching this target. The California Natural Resources Agency (CNRA), through collaboration with the CEC and California Department of Fish and Wildlife (formerly the California Department of Fish and Game), was directed to lead this effort.

EO S-21-09 and SBX1-2. EO S-21-09 (September 2009) directed CARB to adopt a regulation consistent with the goal of EO S-14-08 by July 31, 2010. CARB was further directed to work with the California Public Utilities Commission and CEC to ensure that the regulation builds upon the RPS program and was applicable to investor-owned utilities, publicly owned utilities, direct access providers, and community choice providers. Under this order, CARB was to give the highest priority to those renewable resources that provide the greatest environmental benefits with the least environmental costs and impacts on public health and can be developed the most quickly in support of reliable, efficient, cost-effective electricity system operations. On September 23, 2010, CARB initially approved regulations to implement a Renewable Electricity Standard. However, this regulation was not finalized because of subsequent legislation (SB X1-2, Simitian, statutes of 2011) signed by Governor Brown in April 2011.

SB X1 2 expanded the Renewables Portfolio Standard by establishing a renewable energy target of 20% of the total electricity sold to retail customers in California per year by December 31, 2013, and 33% by December 31, 2020, and in subsequent years. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation (30 megawatts or less), digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location.

SB X1-2 applies to all electricity retailers in the state including publicly owned utilities, investor-owned utilities, electricity service providers, and community choice aggregators. All of these entities must meet the renewable energy goals previously listed.

SB 350. SB 350 (October 2015, Clean Energy and Pollution Reduction Act) further expanded the RPS by establishing a goal of 50% of the total electricity sold to retail customers in California per year by December 31, 2030. In addition, SB 350 included the goal to double the energy efficiency savings in electricity and natural gas final end uses (e.g., heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency. The bill also requires the California Public Utilities Commission, in consultation with the CEC, to establish efficiency targets for electrical and gas corporations consistent with this goal. Regarding mobile sources, as one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see California Public Utilities Code Section 740.12).

SB 100. SB 100 (2018) increased the standards set forth in SB 350 establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030, be secured from qualifying renewable energy sources. SB 100 states that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of electricity to California. This bill requires that the achievement of 100% zero-carbon electricity resources do not

increase the carbon emissions elsewhere in the western grid and that the achievement not be achieved through resource shuffling.

SB 1020. SB 1020 (September 2022) revises the standards from SB 100, requiring the following percentage of retail sales of electricity to California end-use customers come from eligible renewable energy resources and zero-carbon resources: 90% by December 31, 2035; 95% by December 31, 2040; and 100% by December 31, 2045.

Mobile Sources

State Vehicle Standards (AB 1493 and EO B-16-12). AB 1493 (July 2002) was enacted in a response to the transportation sector accounting for more than half of California's CO₂ emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. EO B-16-12 (March 2012) required that state entities under the governor's direction and control support and facilitate the rapid commercialization of zero-emissions vehicles. It ordered CARB, CEC, California Public Utilities Commission, and other relevant agencies to work with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve benchmark goals by 2015, 2020, and 2025. On a statewide basis, EO B-16-12 established a target reduction of GHG emissions from the transportation sector equaling 80% less than 1990 levels by 2050. This directive did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare.

In March 2022, EPA reinstated California's authority under the Clean Air Act to implement its own GHG emission standards and ZEV sales mandate. EPA's action concludes its reconsideration of the 2019 SAFE-1 rule by finding that the actions taken under the previous administration as a part of SAFE-1 were decided in error and are now entirely rescinded.

Heavy Duty Truck and Bus Regulation. CARB adopted the final Heavy-Duty Truck and Bus Regulation on December 31, 2014, to reduce diesel particulate matter, a major source of black carbon, and oxides of nitrogen emissions from heavy-duty diesel vehicles (Cal. Code Regs. tit. 13, § 2025). The rule requires diesel particulate matter filters be applied to newer heavier trucks and buses by January 1, 2012, with older vehicles required to comply by January 1, 2015. The rule will require nearly all diesel trucks and buses to be compliant with the 2010 model year engine requirement by January 1, 2023. CARB also adopted an Airborne Toxic Control Measure to limit idling of diesel-fueled commercial vehicles on December 12, 2013. This rule requires diesel-fueled vehicles with gross vehicle weights greater than 10,000 pounds to idle no more than 5 minutes at any location (Cal. Code Regs. tit. 13, § 2485).

EO S-1-07. Issued on January 18, 2007, EO S-1-07 sets a declining Low Carbon Fuel Standard for GHG emissions measured in CO₂e grams per unit of fuel energy sold in California. The initial target of the Low Carbon Fuel Standard was to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020. The Low Carbon Fuel Standard was subsequently amended in 2018 to require a 20% reduction in carbon intensity by 2030. This new requirement aligns with the California's overall 2030 target of reducing climate changing emissions to 40% below 1990 levels by 2030, set by SB 32. CARB has adopted implementing regulations for both the 10% and 20% carbon intensity reduction targets.

SB 375. SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations (MPOs) are then responsible for preparing a Sustainable Communities Strategy (SCS) within their Regional Transportation Plan (RTP). The goal of the SCS is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, will achieve, if feasible, the GHG reduction targets. If an SCS is unable to achieve the GHG reduction target, a metropolitan planning organization must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to California Government Code Section 65080(b)(2)(K), an SCS does not regulate the use of land; supersede the land use authority of cities and counties; or require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

Advanced Clean Cars Program. The Advanced Clean Cars program (January 2012) is an emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars. To improve air quality, CARB implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that by 2025, cars will emit 75% less smog-forming pollution than the average new car sold in 2012. To reduce GHG emissions, CARB, in conjunction with the EPA and NHTSA, adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34% in 2025. The zero-emissions vehicle (ZEV) program will act as the focused technology of the Advanced Clean Cars program by requiring manufacturers to produce increasing numbers of ZEVs and plug-in hybrid electric vehicles in the 2018 to 2025 model years.

The ACC II program establishes the next set of LEV and ZEV requirements for model years after 2025 to contribute to meeting federal ambient air quality ozone standards and California's carbon neutrality standards (CARB 2022c). The ACC II rulemaking package also considers technological feasibility, environmental impacts, equity, economic impacts, and consumer impacts. The ACC II regulations were approved by the California Office of Administrative Law (OAL) and became effective on November 30, 2022.

AB 1236. AB 1236 (October 2015) (Chiu) required a city, county, or city and county to approve an application for the installation of electric vehicle charging stations, as defined, through the issuance of specified permits unless the city or county makes specified written findings based on substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. AB 1236 provided for appeal of that decision to the planning commission, as specified. The bill provided that the implementation of consistent statewide standards to achieve the timely and cost-effective installation of electric vehicle charging stations is a matter of statewide concern. The bill required electric vehicle charging stations to meet specified standards. AB 1236 required a city, county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for electric vehicle charging stations. The bill

also required a city, county, or city and county with a population of fewer than 200,000 residents to adopt this ordinance by September 30, 2017.

EO N-79-20 (September 2020) requires CARB to develop regulations as follows: (1) Passenger vehicle and truck regulations requiring increasing volumes of new ZEVs sold in the State towards the target of 100% of in-State sales by 2035; (2) medium- and heavy-duty vehicle regulations requiring increasing volumes of new zero-emission trucks and buses sold and operated in the State towards the target of 100% of the fleet transitioning to zero-emission vehicles by 2045 everywhere feasible and for all drayage trucks to be zero emission by 2035; and (3) strategies, in coordination with other State agencies, the EPA and local air districts, to achieve 100% zero-emission from off-road vehicles and equipment operations in the State by 2035. EO N-79-20 called for the development of a Zero-Emissions Vehicle Market Development Strategy, which was released February 2021, to be updated every 3 years, that ensures coordination and implementation of the EO and outlines actions to support new and used ZEV markets. The primary mechanism for achieving the ZEV target for passenger cars and light trucks is the Advanced Clean Cars II (ACCII) Program, approved in August 2022. In addition to ACC II, the Clean Miles Standard regulation will also help enable the goal of 100% ZEV sales in 2035 by creating demand for ZEVs. This regulation will have aggressive requirements for electric miles that will transition ride-hailing fleets to zero-emission operations starting in 2023 and ramping up through 2030. This regulation was approved by CARB in 2021.

Advanced Clean Trucks (ACT) Regulation. The purpose of the ACT Regulation (June 2020) is to accelerate the market for zero-emission vehicles in the medium- and heavy-duty truck sector and to reduce emissions NO_x, fine particulate matter, TACs, GHGs, and other criteria pollutants generated from on-road mobile sources (CARB 2022c). Requiring medium- and heavy-duty vehicles to transition to zero-emissions technology will reduce health risks to people living in and visiting California and is needed to help California meet established near- and long-term air quality and climate mitigation targets.

EO B-16-12. EO B-16-12 (2012) directs state entities under the Governor's direction and control to support and facilitate development and distribution ZEVs. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80% less than 1990 levels by 2050. In furtherance of this executive order, the Governor convened an Interagency Working Group on ZEVs that has published multiple reports regarding the progress made on the penetration of ZEVs in the statewide vehicle fleet.

Water

SB X7-7/Water Conservation Act of 2009. This regulation required that all water suppliers increase their water use efficiency with an overall goal of reducing per capita urban water use by 20% by December 31, 2020. Each urban water supplier was required to develop water use targets to meet this goal.

EO B-29-15. In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the executive order extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. The executive order includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increased the requirements for landscape water use efficiency and broadened its applicability to include new development projects with smaller landscape areas.

EO B-37-16. Issued May 2016, EO B-37-16 directed the State Water Resources Control Board to adjust emergency water conservation regulations through the end of January 2017 to reflect differing water supply conditions across the state. The State Water Resources Control Board also developed a proposal to achieve a mandatory reduction of potable urban water usage that builds off the mandatory 25% reduction called for in EO B-29-15. The State Water Resources Control Board and Department of Water Resources will develop new, permanent water use targets that build on the existing state law requirements that the state achieve 20% reduction in urban water usage by 2020. EO B-37-16 also specifies that the State Water Resources Control Board permanently prohibit water-wasting practices such as hosing off sidewalks, driveways, and other hardscapes; washing automobiles with hoses not equipped with a shut-off nozzle; using non-recirculated water in fountains and other decorative water features; watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and irrigating ornamental turf on public street medians.

EO N-10-21. In response to a state of emergency due to severe drought conditions, EO N-10-21 (July 2021) called on all Californians to voluntarily reduce their water use by 15% from their 2020 levels. Actions suggested in EO N-10-21 include reducing landscape irrigation, running dishwashers and washing machines only when full, finding and fixing leaks, installing water-efficient showerheads, taking shorter showers, using a shut-off nozzle on hoses, and taking cars to commercial car washes that use recycled water.

Solid Waste

AB 939, AB 341, AB 1826, and SB 1383. In 1989, AB 939, known as the Integrated Waste Management Act (PRC Sections 40000 et seq.), was passed because of the increase in waste stream and decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed of where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by 2000.

AB 341 (Chapter 476, Statutes of 2011 [Chesbro]) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle conducted several general stakeholder workshops and several focused workshops, and in August 2015 published a discussion document titled AB 341 Report to the Legislature, which identified five priority strategies that CalRecycle believed would assist the state in reaching the 75% goal by 2020, legislative and regulatory recommendations, and an evaluation of program effectiveness (CalRecycle 2015).

AB 1826 (Chapter 727, Statutes of 2014, effective 2016) requires businesses to recycle their organic waste (i.e., food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste) depending on the amount of waste they generate per week. This law also requires local jurisdictions across the state to implement an organic waste recycling program to divert organic waste generated by businesses, including multi-family residential dwellings that consist of five or more units. The minimum threshold of organic waste generation by businesses decreases over time, which means an increasingly greater proportion of the commercial sector will be required to comply.

SB 1383 (Chapter 395, Statutes of 2016) establishes targets to achieve a 50% reduction in the level of the Statewide disposal of organic waste from the 2014 level by 2020 and a 75% reduction by 2025. CalRecycle was granted the regulatory authority required to achieve the organic waste disposal reduction targets and establishes an additional target that not less than 20% of currently disposed edible food is recovered for human consumption by 2025 (CalRecycle 2019).

Other State Regulations and Goals

SB 97. SB 97 (Dutton) (August 2007) directed the Governor’s Office of Planning and Research to develop guidelines under CEQA for the mitigation of GHG emissions. In 2008, the Governor’s Office of Planning and Research issued a technical advisory as interim guidance regarding the analysis of GHG emissions in CEQA documents. The advisory indicated that the lead agency should identify and estimate a project’s GHG emissions, including those associated with vehicular traffic, energy consumption, water usage, and construction activities (OPR 2007). The advisory further recommended that the lead agency determine significance of the impacts and impose all mitigation measures necessary to reduce GHG emissions to a level that is less than significant. The CNRA adopted the CEQA Guidelines amendments in December 2009, which became effective in March 2010.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4[a]). The CEQA Guidelines require a lead agency to consider the extent to which a project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features or off-site measures. The adopted amendments do not establish a GHG emissions threshold, instead allowing a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts. The CNRA also acknowledged that a lead agency may consider compliance with regulations or requirements implementing AB 32 in determining the significance of a project’s GHG emissions (CNRA 2009a).

With respect to GHG emissions, the CEQA Guidelines state in Section 15064.4(a) that lead agencies should “make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate” GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either selecting a “model or methodology” to quantify the emissions or by relying on “qualitative analysis or other performance-based standards” (14 CCR 15064.4[a]). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment: the extent a project may increase or reduce GHG emissions as compared to the existing environmental setting; whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]).

EO S-13-08. EO Order S-13-08 (November 2008) is intended to hasten California’s response to the impacts of global climate change, particularly sea-level rise. Therefore, the executive order directs state agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009 (CNRA 2009b), and an update, Safeguarding California: Reducing Climate Risk, followed in July 2014 (CNRA 2014). To assess the state’s vulnerability, the report summarizes key climate change

impacts to the state for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water.

3.2.3 Local

3.2.3.1 San Diego Association of Governments (SANDAG)

Regional Transportation Plan/Sustainable Communities Strategy

The passage of SB 375 requires MPOs to prepare an SCS in their RTP. SANDAG serves as the MPO for the San Diego region and is responsible for developing and adopting a SCS that integrates transportation, land use, and housing to meet GHG reduction targets set by CARB. The RTP/SCS is updated every 4 years in collaboration the 18 cities and unincorporated County of San Diego, in addition to regional, state, and federal partners. The most recent, *San Diego Forward: The 2021 Regional Plan* was adopted in 2021 and provides guidance on meeting or exceed GHG targets through implementation of five key transportation strategies, including complete corridors, high-speed transit services, mobility hubs, flexible fleets, and a digital platform to tie the transportation system together. Through these strategies, the *2021 Regional Plan* is projected to reduce per capita GHG emissions from cars and light-duty trucks to 20% below 2005 levels by 2035, exceeding the regions state-mandated target of 19% (SANDAG 2021).

3.2.3.2 City of Chula Vista

General Plan

The City of Chula Vista General Plan was updated by the City on December 13, 2005, and most recently amended in 2020. The General Plan provides a long-term strategy to address planning issues for the growth and development of the City and is composed of the following six elements: land use and transportation, economic development, public facilities and services, growth management, environmental, and housing (City of Chula Vista 2005). The project site is located in the Bayfront Planning Area and Harbor District subarea of the General Plan (City of Chula Vista 2005). The goals and policies for improving air quality in the General Plan are as follows:

Land Use and Transportation Element

Policy LUT-23.1: Encourage the use of bicycles and walking as alternatives to driving.

Policy LUT-23.2: Foster the development of a system of inter-connecting bicycle routes throughout the City and region.

Policy LUT-23.5: Provide linkages between bicycle facilities that utilize circulation element alignments and open space corridors.

Policy LUT-23.8: Provide and maintain a safe and efficient system of sidewalks, trails, and pedestrian crossings.

Policy LUT-23.14: Require new development projects to provide internal bikeway systems with connections to the citywide bicycle networks.

Environmental Element

- Policy E 6.1: Encourage compact development featuring a mix of uses that locate residential areas within reasonable walking distance to jobs, services, and transit.
- Policy E 6.2: Promote and facilitate transit system improvements in order to increase transit use and reduce dependency on the automobile.
- Policy E 6.3: Facilitate the use of alternative fuel and low- and zero-emission vehicles and equipment in the community.
- Policy E 6.4: Do not site new or re-powered fossil-fueled baseload or peaking-type Electric Generating Facilities and other major toxic emitters within 1,000 feet of sensitive receptors, or site sensitive receptors within 1,000 feet of such facilities.
- Policy E 6.5: Ensure Electrical Generating Facilities incorporate cleaner fuel sources and least polluting technologies in order to help transition the City to a less fossil fuel- dependent future, while meeting Chula Vista's energy demand.
- Policy E 6.6: Explore incentives to promote voluntary air pollutant reductions, including incentives for developers who go above and beyond applicable requirements and for facilities and operations that are not otherwise regulated.
- Policy E 6.7: Encourage innovative energy conservation practices and air quality improvements in new development and redevelopment projects consistent with the City's Air Quality Improvement Plan Guidelines or its equivalent, pursuant to the City's Growth Management Program.
- Policy E 6.8: Encourage climate resilient design techniques in new buildings and infrastructure to reduce future risks from climate change-related impacts such as wildfires, extreme heat, and flooding.
- Policy E 6.9: Discourage the use of landscaping equipment powered by two-stroke gasoline engines within the City and promote less-polluting alternatives to their use.
- Policy E 6.10: The siting of new sensitive receivers within 500 feet of highways resulting from development or redevelopment projects shall require the preparation of a health risk assessment as part of the CEQA review of the project. Attendant health risks identified in the Health Risk Assessment (HRA) shall be feasibly mitigated to the maximum extent practicable, in accordance with CEQA, in order to help ensure that applicable federal and state standards are not exceeded.
- Policy E 6.11: Develop strategies to minimize CO hot spots that address all modes of transportation.
- Policy E 6.12: Promote clean fuel sources that help reduce the exposure of sensitive uses to pollutants.
- Policy E 6.13: Encourage programs and infrastructure to increase the availability and usage of energy-efficient vehicles, such as hybrid electric vehicles, electric vehicles, or those that run on alternative fuels.

Policy E 6.14: Transition the City fleet to 100% “clean” vehicles by integrating hybrid and alternative fuel vehicles as current municipal fleet vehicles are replaced.

Policy E 6.15: Site industries: and other stationary emitters in a way that minimizes the potential impacts of poor air quality on homes, schools, hospitals, and other land uses where people congregate, and disadvantaged populations.

Policy E 6.16: Encourage the use of bicycles through support of bike share opportunities, community bike programs, and the provision of bicycle parking opportunities such as bike racks and bike lockers.

Policy E 6.B.1: Protect and develop shade tree cover along streets and within parking lots as a priority, particularly in new developments or tree-deficient areas.

Policy E 6.B.2: Preferentially plant female street trees to reduce pollen, especially in the most populated areas.

Policy E 6.B.3: Prioritize natural filtration, as opposed to impermeable hardscaping, within new development projects, along roadways, and adjacent to stream and river banks.

Policy E 6.B.4: Update the building code to support best practices in “green building” design, construction, and operations.

Policy E 6.B.5: Provide fast-track permitting for projects that implement “green building” design and construction.

Policy E 6.B.6: Encourage or require all new building construction to incorporate green roofs and encourage conversions of existing roof space to green roofs to reduce heat island effect.

Climate Action Plan

In September 2017, the City adopted its most recent Climate Action Plan (CAP). The CAP includes goals and policies to strengthen the City’s climate action efforts that have been underway since 2000. The City’s CAP identified a goal of reducing GHG emissions to 15% below 2005 emission levels by 2020 and 55 percent by 2030. The City’s implementation actions are focused on the following categories:

- Water Conservation and Reuse
- Waste Reduction
- Renewable and Efficient Energy
- Smart Growth and Transportation

Since the first GHG inventory in 1990 the City’s population has increased 84% but GHG emissions have only increased 42%, which has caused the per capita emissions to decrease 23% to 6.1 MT CO₂e per person. CARB’s 2022 Scoping Plan has identified a goal of carbon neutrality by 2045 so the City will continue advancing to meet these ambitious goals. Notably, the City’s CAP is not considered a “qualified” CAP for tiering per CEQA Guidelines Section 15183.5 because it has not undergone environmental review.

3.3 Significance Criteria and Methodology

3.3.1 Thresholds of Significance

CEQA Guidelines

The significance criteria used to evaluate the project's GHG emissions impacts is based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this GHG emissions analysis, the project would have a significant environmental impact if it would (14 CCR 15000 et seq.):

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. There are currently no established thresholds for assessing whether the GHG emissions of a project, such as the project, would be considered a cumulatively considerable contribution to global climate change; however, all reasonable efforts should be made to minimize a project's contribution to global climate change. In addition, while GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008), GHG emissions impacts must also be evaluated on a project-level under CEQA.

With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or performance-based standards" (14 CCR 15064.4[a]). A lead agency may use a "model or methodology" to estimate greenhouse gas emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change" (14 CCR 15064.4[c]). The CEQA Guidelines provide that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment (14 CCR 15064.4[b]):

The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.

1. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
2. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

In addition, the CEQA Guidelines specify that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7[c]).

The extent to which a project increases or decreases GHG emissions in the existing environmental setting should be estimated in accordance with Section 15064.4, Determining the Significance of Impacts from Greenhouse Gas Emissions, of the State CEQA Guidelines. The State CEQA Guidelines indicate that when calculating GHG emissions resulting from a project, lead agencies shall make a good-faith effort based on scientific and factual data (Section 15064.4 (a)), and lead agencies have discretion to select the model or methodology deemed most appropriate for enabling decision makers to intelligently assess the project's incremental contribution to climate change (Section 15064.4 (c)).

The State CEQA Guidelines do not indicate an amount of GHG emissions that constitutes a significant impact on the environment. Instead, they authorize the lead agency to consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence (State CEQA Guidelines Sections 15064.4(a) and 15064.7(c)).

Governor's Office of Planning and Research Guidance

The Governor's Office of Planning and Research technical advisory titled, CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review, states that "public agencies are encouraged but not required to adopt thresholds of significance for environmental impacts. Even in the absence of clearly defined thresholds for GHG emissions, the law requires that such emissions from CEQA projects must be disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact" (OPR 2018). Furthermore, the advisory document indicates that "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice" (OPR 2008).

SCAQMD Guidance

In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008). This guidance document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO₂e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (see SCAQMD Resolution No. 08-35, December 5, 2008).

The SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, the SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. The SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal, issued in September 2010 proposed the use of 3,000 MT CO₂e per year for mixed-use projects.

In the absence of an adopted numerical threshold for the project region or by SCAQMD, the significance of the project-related GHG emissions can be determined by evaluating the project's compliance with regulations or requirements adopted to implement statewide, regional, or local plans for the reduction or mitigation of GHG emissions.

Approach to Determining Significance

Given that neither the City, nor CARB, SDAPCD, nor SCAQMD have adopted a numerical threshold of significance for GHG emissions within the City or region, the approach for evaluating the project's impacts related to GHG emissions relies on compliance with applicable plans, policies, or regulations adopted for the purpose of reducing the emissions of GHGs. The compliance evaluation is the sole basis for determining the significance of the project's GHG-related impacts on the environment.

The significance of the project's GHG impacts is based on the project's compliance with statewide GHG reduction regulations and requirements. At the state level, guidance on reduction strategies for GHG emissions has been provided through the CARB Scoping Plans and at the local level through the SANDAG's RTP/SCS and the City's CAP and General Plan. Although the City's most recent CAP adopted in 2017 is not qualified for tiering per CEQA Guidelines 15183.5, a project's potential to conflict with the CAP is evaluated in the context of ensuring a project does not conflict with broad regional and state goals.

The Scoping Plan (approved by CARB in 2008 and updated in 2014, 2017, and 2022) provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. As discussed above, 2030 marks the next statutory statewide milestone target applicable to the proposed project. Given that the 2017 Scoping Plan is the Update developed for identifying how the state will achieve the 2030 reduction target, it is the most relevant plan for evaluating the project's consistency with statewide GHG emission reduction strategies. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations.¹¹ Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., Low Carbon Fuel Standard), among others.

CARB's 2017 Scoping Plan specifically emphasizes the importance of reducing VMT of on-road vehicles to lower mobile-source GHG emissions to achieve statewide reduction targets. The 2017 Scoping Plan recommends a 15% reduction in total light-duty VMT from the business-as-usual scenario in 2050 in alignment with the Mobile Source Strategy (CARB 2017 and CARB 2021). CARB analysis on the relationship of VMT reductions to state climate goals found that certain land use development projects that have total VMT per capita of 14.3% lower than existing conditions, and light-duty VMT per capita of 16.8% lower than existing conditions could be considered consistent with transportation assumptions assumed for the 2017 Scoping Plan and with the state's long-term (i.e., 2050) GHG reduction goals (CARB 2019). Per Section 15064.3 of the revised (2022) State of California Environmental Quality Act (CEQA) Guidelines, VMT is the most appropriate measure of transportation impacts, and is defined as

¹¹ The Final Statement of Reasons for the amendments to the State CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that "[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009).

the amount and distance of automobile traffic attributable to a project (OPR 2022). This methodology is consistent with the guidance provided in OPR's Technical Advisory on Evaluating Transportation Impacts in CEQA, which assists with making significance determinations for transportation impacts in accordance with SB 743. Per the CEQA Guidelines, VMT is the most appropriate metric to ensure that transportation impacts from project-level environmental review under CEQA align with the state's long-term GHG reduction goals (OPR 2018).

CARB adopted the *2022 Scoping Plan Update* in May 2022 to discuss progress toward reaching the 2030 target and to address how the state will achieve carbon neutrality by 2045, as required by EO B-55-18. As the official guidance on approach to reaching the 2045 statewide goal, consideration of the 2022 Plan is considered appropriate for evaluation of GHG emission impacts of the proposed Project.

In the 2022 Plan, CARB builds on and accelerates programs already in place to reduce anthropogenic sources of GHG emissions and introduces new strategies to capture and store carbon. *Appendix D: Local Actions* of the Draft Plan outlines local actions that residential and mixed-use projects can implement to address their largest sources of emissions including transportation electrification, VMT reduction, and building decarbonization. CARB identifies these three sources as "Priority Areas" given that they represent those with the highest GHG reduction potential and GHG reduction opportunities for which local governments and agencies have the most authority (CARB 2022b).

Importantly, the 2022 Update emphasizes that there is no realistic path to reaching the 2045 goal of carbon neutrality without removing and sequestering carbon from the atmosphere. So, in addition to programs that aim to reduce GHG emissions, the Draft Plan proposes strategies to capture and store carbon, highlighting the importance of nature-based solutions through preservation and climate smart management of the state's natural and working lands (NWLs). Modeling conducted for the Draft Scoping Plan shows that California's NWLs are projected to be a net source of emissions (i.e., releasing more CO₂ emissions than they store) through 2045, which is historically due to human activities, such as land use change, and natural disturbances, such as wildfire. Therefore, the ability of the state's NWLs to act as a net sink (i.e., sequester and store more atmospheric CO₂ than they release) to help support the state's carbon neutrality goals is dependent on climate smart land management.

If the project does not conflict with the regulations and actions outlined in the applicable state plans (i.e., City's CAP, 2022 Scoping Plan, and local plans (i.e., SANDAG RTP/SCS and City's General Plan), the Project could appropriately rely on their use as showing compliance with performance-based standards adopted to fulfill the statewide goal for reducing GHG emissions. The project's compliance with regulatory programs adopted by CARB, and other state and local agencies is therefore used to evaluate the significance of the project's GHG emissions.

Nevertheless, and in accordance with Section 15064.4 of the State CEQA Guidelines, GHG emissions resulting from construction and operation of the project were quantitatively estimated. The project site consists of developed land occupied by the former Rohr Aircraft Facility and includes several industrial buildings historically used for manufacturing, warehousing, research and development, and related office uses. The potential impacts from project related GHG emissions were assessed based on the increase in GHG emissions from the project by subtracting emissions from the existing land use that were in operation up until 2020 and form the baseline conditions. The City's GHG inventories use 1990, 2005, and 2012 as recent inventory dates. The 2021 SANDAG RTP/SCS uses 2016 as a baseline year. CARB's Scoping Plan is based on reducing 1990 emissions 40% by 2030. The GHG emissions associated with implementation of the project were estimated using industry standard and accepted software tools, techniques, and emissions factors, as described below for construction and operation. Estimation of emissions is for informational purposes only, for comparison with existing environmental conditions.

3.3.2 Approach and Methodology

3.3.2.1 Construction

CalEEMod Version 2022.1 was used to estimate potential project generated GHG emissions during construction. Construction of the project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road hauling, and vendor (material delivery) trucks, and worker vehicles. All details for construction criteria air pollutants discussed in Section 2.3.3, are also applicable for the estimation of construction related GHG emissions. As such, see Section 2.3.2 for a discussion of construction emissions calculation methodology and assumptions.

3.3.2.2 Operation

As with the air quality analysis, emissions from the operational phase of the project were estimated primarily using CalEEMod Version 2022.1 An operational year of 2030 was assumed consistent with completion of project construction.

Area Sources

CalEEMod was used to estimate operational GHG emissions from area sources, such as landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of nonresidential building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days. For San Diego County, the average annual “summer” days are estimated to 365 days; however, it is assumed that landscaping equipment would likely only operate during the week (not weekends), so operational days were assumed to be 180 days per year in CalEEMod (CAPCOA 2022).

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage (non-hearth). Electricity use would contribute indirectly to GHGs, since GHG emissions occur at the site of the power plant, which is typically off site. Annual natural gas (non-hearth) and electricity emissions were estimated in CalEEMod using the emission factors for San Diego Gas and Electric Company (SDG&E), which would be the energy source provider for the Project. SDG&E receives electric power from a variety of sources. In 2021, 44.5% of SDG&E's power mix came from eligible renewable energy sources, including biomass/waste, geothermal, solar, and wind sources (SDG&E 2022).

In CalEEMod 2022, the default energy use from nonresidential land uses is based on 2019 consumption estimates from the CEC's 2018-2030 Uncalibrated Commercial Sector Forecast (Commercial Forecast), and the energy use from residential land uses is based on the 2019 Residential Appliance Saturation Survey (RASS). The Commercial Forecast and RASS datasets derive energy intensities of different end use categories for different land use subtypes for electricity demand forecast zones (EDFZ) throughout the state. However, the energy use estimates are based on existing buildings and residences and are not representative of those constructed in compliance with energy

efficiency requirements of the latest Title 24 Building Energy Efficiency Standards (e.g., the average residence surveyed in the RASS was constructed in 1974). Therefore, per Appendix D, *Technical Source Documentation for Emissions Calculations*, of the CalEEMod Version 2022.1 User Guide, “the default energy consumption estimates provided in CalEEMod based on the Commercial Forecast and RASS are very conservative, overestimating expected energy use compared to what would be expected for new buildings subject to the latest Energy Code with more stringent energy efficiency measures” (CAPCOA 2022).

Because the project may include refrigerated uses in the future, the industrial business park with commercial land uses were modeled with the energy estimates for a refrigerated warehouse, which represented a higher amount of energy use.

Mobile Sources

All details for criteria air pollutants discussed in Section 2.3.3 (Approach and Methodology, Operations subsection), are also applicable for the estimation of operational-related GHG emissions are also applicable for the estimation of operational mobile source GHG emissions. Regulatory measures related to mobile sources include AB 1493 (Pavley) and related federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the NHTSA and EPA have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium , and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the Project’s motor vehicles. The effectiveness of fuel economy improvements was evaluated using the CalEEMod emission factors for motor vehicles in 2028 to the extent it was captured in CalEEMod 2022.1 which is based on EMFAC2021.

Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the Project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. The GHG emissions associated with Project water consumption were estimated using CalEEMod defaults.

Solid Waste

The Project would generate solid waste, and therefore, result in CO₂e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste.

Refrigerants

Refrigerants are substances used in the equipment for air conditioning (A/C) and refrigeration. Most of the refrigerants used today are HFCs or blends thereof, which can have high GWP values. All equipment that uses refrigerants has a charge size (i.e. quantity of refrigerant the equipment contains) and an operational refrigerant leak rate, and each refrigerant has a GWP that is specific to that refrigerant. CalEEMod quantifies refrigerant emissions from leaks during regular operation and routine servicing over the equipment lifetime, and then derives average annual emissions from the lifetime estimates.

Refrigerant emissions are associated with buildings and mobile sources primarily from A/C usage.

As noted previously, the project may include refrigerated uses in the future, as such the industrial business park with commercial land uses were modeled as refrigerated warehouses to account for additional refrigerant.

3.4 Impact Analysis

3.4.1 Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment, or would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

As discussed previously, the project’s compliance with regulatory programs adopted by CARB, and other state and local agencies is used to evaluate the significance of the project’s GHG emissions. The project’s potential to conflict with applicable GHG reduction plans is evaluated below.

Project Potential to Conflict with the City’s Climate Action Plan

The City’s most recent CAP adopted in 2017 identified new goals and policies to strengthen the City’s past climate action planning efforts. While the CAP is not qualified for tiering per CEQA Guidelines Section 15183.5, a project’s potential to conflict with the CAP is evaluated in context of ensuring the project does not conflict with broad regional and state goals. In general, if a project implements all applicable measures of the CAP, then the project would be found to have a less than cumulatively considerable contribution to climate change impacts.

The proposed project’s potential to conflict with relevant CAP strategies is provided in Table 3-3. As shown, the project would not conflict with all of the applicable CAP strategies designed to reduce GHG emissions within the City, including measures to reduce GHG emission from energy, transportation, water use, and solid waste generation during construction and operations.

Table 3-3. Project Potential to Conflict with City of Chula Vista Climate Action Plan

Action	Objective	Reduction Strategy	Potential to Conflict
Water Conservation and Reuse	Water Education and Enforcement	Expand education and enforcement (through fines) targeting landscape water waste.	Not applicable. This is a City measure, however, the project would not impede City efforts regarding education and enforcement. The project would be designed in accordance with the City’s Landscape Water Conservation Ordinance.
	Water Efficiency Upgrades	Update the City’s Landscape Water Conservation Ordinance to promote more water -	Not applicable. This is a City measure, however the project would not impeded the City’s efforts

Table 3-3. Project Potential to Conflict with City of Chula Vista Climate Action Plan

Action	Objective	Reduction Strategy	Potential to Conflict
		wise landscaping designs.	focused on water efficiency upgrades. The project would be designed in accordance with the City's Landscape Water Conservation Ordinance.
		Require water-savings retrofits in existing buildings at a specific point in time (not point of sale).	Not applicable. The project would construct new buildings on the project site in Planning Areas B-1 and B-2. Within Planning Area A, the project is incorporating updates to the existing building.
	Water Reuse Plan and System Installations	Develop a Water Reuse Master Plan to maximize the use of stormwater, recycled water, and onsite water reclamation.	Not applicable. This is a City measure, however, the project would not impede the City's efforts in developing a water reuse plan.
		Streamline complex graywater systems permit review.	Not applicable. This is a City measure, however, the project would not impede the City's efforts to streamline permitting.
Waste Reduction	Zero Waste Plan	Develop a Zero Waste Plan to supplement statewide green waste recycling, and plastic bag ban efforts.	Not applicable. This is a City measure, however, the project would not impede the City's efforts to implement a Zero Waste Plan. The project would comply with regulatory measures to reduce waste during construction and operations.
Renewable and Efficient Energy	Energy Education and Enforcement	Expand education targeting key community segments (i.e., do-it-yourself and Millennials) and facilitating energy performance disclosure (i.e., Green Leases and Home Energy Ratings).	Not applicable. This is a City measure, however, the project would not impede the City's efforts to expand education and enforcement.
		Leverage the building inspection process to	Not applicable. This is a City measure, however,

Table 3-3. Project Potential to Conflict with City of Chula Vista Climate Action Plan

Action	Objective	Reduction Strategy	Potential to Conflict
		distribute energy - related information and to deter unpermitted, low performing energy improvements.	the project would not impede the City’s efforts to leverage the building inspection process to distribute energy-related information.
	Clean Energy Sources	Incorporate solar photovoltaic into all new residential and commercial buildings (on a project-level basis). Provide more grid - delivered clean energy (up to 100%) through Community Choice Aggregation or other mechanism.	No conflict. The project would develop new commercial buildings that will comply with CalGreen Standards for photovoltaic systems.
	Energy Efficiency Upgrades	Expand the City’s “cool roof” standards to include re-roofs and western areas.	Not applicable. This is a City measure, however, the project would not impede the City’s efforts regarding “cool roof” standards.
		Facilitate more energy upgrades in the community through tax breaks, rebates, and more local energy efficiency programming.	Not applicable. This is a City measure, however, the project would not impede the City’s efforts in facilitating energy upgrades in the community.
		Require energy - savings retrofits in existing buildings at a specific point in time (not at point of sale).	Not applicable. The project would construct new buildings on the project site in Planning Areas B-1 and B-2. Within Planning Area A, the project is incorporating updates to the existing building.
	Robust Urban Forests	Plant more shade trees to save energy, address heat island issues, and improve air quality.	No conflict. The project would include new landscaping in accordance with Specific Plan standards.
Smart Growth and Transportation	Complete Streets and Neighborhoods	Incorporate “Complete Streets” principles into the Bicycle and	Not applicable. This is a City measure, however, the project would not

Table 3-3. Project Potential to Conflict with City of Chula Vista Climate Action Plan

Action	Objective	Reduction Strategy	Potential to Conflict
		Pedestrian Master Plans and Capital Improvement Program.	impede the City’s efforts in developing “complete streets”.
		Encourage higher density and mixed - use development in Smart Growth areas, especially around trolley stations and other transit nodes.	No conflict. The project would develop more robust uses on an underutilized site in an areas targeted for growth by the City.
Transportation Demand Management		Utilize bike facilities, transit access/passes, and other Transportation Demand Management and congestion management offerings.	Not applicable. The project would not impede efforts to utilize bike, transit, and other Transportation Demand Management measures.
		Expand bike-sharing, car-sharing, and other “last mile” transportation options.	Not applicable. The project would not impede efforts to expand bike-sharing, car-sharing, and other Transportation Demand Management options.
Alternative Fuel Vehicle Readiness		Support the installation of more local alternative fueling stations and designate preferred parking for alternative fuel vehicles.	Not applicable. The project would not impede efforts to install more local alternative fueling stations.
		Designate preferred parking for alternative fuel vehicles.	Not applicable. The project would not impede efforts to designate preferred parking for alternative fuel vehicles.
		Design all new residential and commercial buildings to be “Electric Vehicle Ready.”	Consistent. The project would comply with CalGreen requirements for provision of electric vehicle charging equipment.

Source: City of Chula Vista, 2017

Project Potential to Conflict with State Reduction Targets and CARB’s 2022 Scoping Plan

As discussed above, the California State Legislature passed AB 32 to provide initial direction to limit California’s GHG emissions to 1990 levels by 2020 and initiate the state’s long-range climate objectives. Since the passage of AB 32, the State has adopted GHG emissions reduction targets for future years beyond the initial 2020 horizon year. CARB is required to develop the Scoping Plan, which provides the framework for actions to achieve the State’s

GHG emission targets. While the Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations, it is the official framework for the measures and regulations that will be implemented to reduce California's GHG emissions in alignment with the adopted targets. Therefore, a project would be found to not conflict with the statutes if it would meet the Scoping Plan policies and would not impede attainment of the goals therein.

For the project, the relevant GHG emissions reduction targets include those established by SB 32 and AB 1279, which require GHG emissions be reduced to 40% below 1990 levels by 2030, and 85% below 1990 levels by 2045, respectively. In addition, AB 1279 requires the state achieve net zero GHG emissions by no later than 2045 and achieve and maintain net negative GHG emissions thereafter. CARB's 2017 Scoping Plan update was the first to address the state's strategy for achieving the 2030 GHG reduction target set forth in SB 32 (CARB 2017), and the most recent CARB 2022 Scoping Plan update outlines the state's plan to reduce emissions and achieve carbon neutrality by 2045 in alignment with AB 1279 and assesses progress is making toward the 2030 SB 32 target (CARB 2022). As such, given that SB 32 and AB 1279 are the relevant GHG emission targets, the 2017 and 2022 Scoping Plan updates that outline the strategy to achieve those targets, are the most applicable to the Project.

The 2017 *Climate Change Scoping Plan Update (Second Update)* included measures to promote renewable energy and energy efficiency (including the mandates of SB 350), increase stringency of the Low Carbon Fuel Standard (LCFS), measures identified in the Mobile Source and Freight Strategies, measures identified in the proposed Short-Lived Climate Pollutant Plan, and increase stringency of SB 375 targets. The 2022 *Scoping Plan for Achieving Carbon Neutrality (Third Update)* builds upon and accelerates programs currently in place, including moving to zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; and displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines) (CARB 2022).

Many of the measures and programs included in the Scoping Plan would result in the reduction of project-related GHG emissions with no action required at the project-level, including GHG emission reductions through increased energy efficiency and renewable energy production (SB 350), reduction in carbon intensity of transportation fuels (LCFS), and the accelerated efficiency and electrification of the statewide vehicle fleet (Mobile Source Strategy).

The 2045 carbon neutrality goal required CARB to expand proposed actions in the Third Update to include those that capture and store carbon in addition to those that reduce only anthropogenic sources of GHG emissions. The proposed project would support the state's carbon neutrality goals, as implementation includes addition of urban-tree and native plantings throughout the project site, which represent opportunities for potential carbon removal and sequestration over the project life-time. However, the Third Update emphasizes that reliance on carbon sequestration in the state's natural and working lands will not be sufficient to address residual GHG emissions, and achieving carbon neutrality will require research, development, and deployment of additional methods to capture atmospheric GHG emissions (e.g., mechanical direct air capture). Given that the specific path to neutrality will require development of technologies and programs that are not currently known or available, the project's role in supporting the statewide goal would be speculative and cannot be wholly identified at this time.

Table 3-4 evaluates the project's potential to conflict with the measures from the 2022 Scoping Plan, that are relevant and applicable to the project.

Table 3-4. Project Potential to Conflict with 2022 Scoping Plan

Sector	Action	Potential to Conflict
GHG Emissions Reductions Relative to the SB 32 Target	40% below 1990 levels by 2030	No conflict. While the SB 32 GHG emissions reduction target is not an Action that is analyzed independently, it is included in Table 2-1 of the 2022 Scoping Plan for reference. The project would not obstruct or interfere with agency efforts to meet the SB 32 reduction goal. Specifically, the project would include MM-AQ-4 and MM-AQ-6 which would reduce GHG emissions from both onsite and off-site mobile GHG sources.
Smart Growth/VMT	VMT per capita reduced 25% below 2019 levels by 2030, and 30% below 2019 levels by 2045	No conflict. The project would not obstruct or interfere with agency efforts to meet this regional VMT reduction goal, including through implementation of SB 375. The project would be consistent with the SANDAG 2021 Regional Plan, which is the regional growth management strategy that targets per capita GHG reduction from passenger vehicles and light trucks in the San Diego Region pursuant to SB 375.
Light-duty Vehicle (LDV) Zero Emission Vehicles (ZEVs)	100% of LDV sales are ZEV by 2035	No conflict. As this action pertains to LDV sales within California, the project would not obstruct or interfere with its implementation. Furthermore, the project would support the transition from fossil fuel LDV to ZEV through its provision of EV chargers.
Truck ZEVs	100% of medium-duty vehicle (MDV)/ heavy-duty vehicle (HDV) sales are ZEV by 2040	No conflict. As this action pertains to MDV and HDV sales within California, the project would not obstruct or interfere with its implementation. Furthermore, the project would comply with the 2022 CALGreen code.
Electricity Generation	Sector GHG target of 38 million metric tons of carbon dioxide equivalent (MMTCO _{2e}) in 2030 and 30 MMTCO _{2e} in 2035 Retail sales load coverage ¹ 20 gigawatts (GW) of offshore wind by 2045 Meet increased demand for electrification without new fossil gas-fired resources	No conflict. As this action pertains to the statewide procurement of renewable energy, the project would not obstruct or interfere with its implementation.

Table 3-4. Project Potential to Conflict with 2022 Scoping Plan

Sector	Action	Potential to Conflict
New Residential and Commercial Buildings	All electric appliances beginning 2026 (residential) and 2029 (commercial), contributing to 6 million heat pumps installed statewide by 2030	No conflict. The project would not obstruct or interfere with CARB’s efforts to meet the all-electric appliance and heat pump goals. As designed, the project would currently involve connecting the proposed buildings to the existing natural gas infrastructure. However, the project would comply with regulations to convert to all-electric if applicable.
Construction Equipment	25% of energy demand electrified by 2030 and 75% electrified by 2045	No conflict. As this action pertains to the electrification of off-road equipment across California, the project would not obstruct or interfere with its implementation. However, the project would support the action through MM-AQ-2 and MM-AQ-4, which require the use of specific electric construction equipment and cargo handling equipment, respectively.
Low Carbon Fuels for Transportation	Biomass supply is used to produce conventional and advanced biofuels, as well as hydrogen	No conflict. The project would not obstruct or interfere with CARB’s efforts to increase the provision of low carbon fuels for transportation. The development and use of biofuels in trucks and automobiles would occur at the state and regional level. PDF-GHG-1 also includes a leasing preference for tenants with a facility owned fleet that utilizes alternative and or zero emission vehicles.
Low Carbon Fuels for Buildings and Industry	<p>In 2030s biomethane blended in pipeline</p> <p>Renewable hydrogen blended in fossil gas pipeline at 7% energy (~20% by volume), ramping up between 2030 and 2040</p> <p>In 2030s, dedicated hydrogen pipelines constructed to serve certain industrial clusters</p>	No conflict. The project would not obstruct or interfere with CARB’s efforts to increase the provision of low carbon fuels for use in buildings and industry. The blending of biomethane and use of renewable hydrogen in existing natural gas pipelines would happen at the scale of the utility provider and without action required by the project.
High GWP Potential Emissions	Low GWP refrigerants introduced as building electrification increases, mitigating HFC emissions	No conflict. The project would not obstruct or interfere with agency efforts to introduce low GWP refrigerants. The State has established a prohibition on the sale or distribution of bulk HFCs identified as having a high GWP through SB 1206.

Source: CARB 2022b.

Based on the analysis in Table 3-4, the project would not conflict with the applicable strategies and measures in the 2022 Scoping Plan.

Consistency with SB 32 and 2017 Scoping Plan.

Table 3-5 highlights measures that have been developed under the 2017 Scoping Plan and presents the project’s potential to conflict with the applicable 2017 Scoping Plan measures. The project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law and to the extent that they are applicable to the project.

Table 3-5. Project Potential to Conflict with 2017 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Potential to Conflict
Transportation Sector		
Advanced Clean Cars	T-1	No conflict. The project would not obstruct or interfere with CARB’s efforts to implement this measure because the project’s employees and customers would purchase vehicles in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase.
Low Carbon Fuel Standard	T-2	No conflict. The project would not obstruct or interfere with CARB’s Low Carbon Fuel Standard because motor vehicles driven by the Project’s employees and customers would use compliant fuels.
Last-Mile Delivery	N/A	No conflict. The project would not obstruct or interfere with CARB’s efforts to implement this measure. Per PDF-GHG-1, leasing preference would be given to tenants with facility owned fleets that utilizes alternative and or zero emission vehicles. This measure would help to reduce GHG and air pollutant emissions associated with the last-mile of goods delivery.
Reduction in VMT	N/A	No conflict. The project would not prevent CARB from implementing this measure. Additionally, the project would support this measure through siting of an employment-rich development in a housing-rich community. The provision of employment opportunities in a housing-rich area (where many of the City’s residents have to leave the City for work) would help to lower the VMT per employee.
Goods Movement Efficiency Measures 1. Port Drayage Trucks 2. Transport Refrigeration Units Cold Storage Prohibition	T-6	No conflict. The project would not prevent CARB from implementing this measure. Furthermore, per MM-AQ-4, the project would include all-electric cargo handling equipment, including yard trucks and forklifts. The project

Table 3-5. Project Potential to Conflict with 2017 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Potential to Conflict
3. Cargo Handling Equipment, Anti-Idling, Hybrid, Electrification 4. Goods Movement Systemwide Efficiency Improvements 5. Commercial Harbor Craft Maintenance and Design Efficiency 6. Clean Ships 7. Vessel Speed Reduction		would also include anti-idling measures, including increased signage on site and training of logistic staff to reduce trucking queuing times on site per PDF-GHG-1. The project would not prevent CARB or other agencies from implementing the other measures related to Goods Movement.
Heavy-Duty Vehicle GHG Emission Reduction <ul style="list-style-type: none"> ▪ Tractor-Trailer GHG Regulation ▪ Heavy-Duty Greenhouse Gas Standards for New Vehicle and Engines (Phase I) 	T-7	No conflict. The project would not obstruct or interfere with agency efforts to implement this measure. The Tractor Trailer GHG regulation and Heavy-Duty Truck GHG standards set GHG emission standards for truck engines for a given model year. Phase I sets GHG emission and fuel economy standards for heavy-duty trucks for model years 2014–2018. Phase II sets standards for model years for 2019–2027. Over the life of the project, the truck fleet would turn over and utilize newer engines with stricter emissions standards. Additionally, as a part of PDF-GHG-1, the project would include a leasing preference for tenants that utilize a truck fleet that includes alternative/zero-emissions vehicles.
Medium and Heavy-Duty GHG Phase 2	N/A	No conflict. The measure sets GHG emission and vehicle fuel standards model years 2018-2027 for certain trailers and model years 2021-2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. Over the life of the project, the truck fleet would turn over and utilize newer engines with stricter emissions standards. Additionally, as a part of PDF-GHG-1, preference for tenants that utilize a truck fleet that includes alternative/zero-emissions vehicles.
Electricity and Natural Gas Sector		
Energy Efficiency Measures (Electricity)	E-1	No conflict. The project would be constructed in accordance with the CALGreen code and Title 24 building standards. Title 24 requirements for non-residential projects include high efficiency indoor and outdoor lighting requirements, thermostat, and HVAC energy

Table 3-5. Project Potential to Conflict with 2017 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Potential to Conflict
		efficiency requirements, and electrical metering requirements. Additionally, per PDF-GHG-2, the project would also go beyond what is required by Title 24 building standards to include on site solar photovoltaic system that would cover 25% of the total roof area and could be expanded to 50% of the total roof area at later date.
Energy Efficiency (Natural Gas)	CR-1	No conflict. The project would be constructed in accordance with the CALGreen code and Title 24 building standards.
Renewables Portfolio Standard (33% by 2020)	E-3	No conflict. The project would procure electricity from SDG&E, which is in compliance with the Renewables Portfolio Standard for 2020.
Renewables Portfolio Standard (50% by 2050)	N/A	No conflict. The project would procure electricity from SDG&E, which is on trajectory to be compliance with the Renewables Portfolio Standard for 2050.
Water Sector		
Water Use Efficiency	W-1	No conflict. The project would be constructed in accordance with CALGreen and Title 24 building standards. The CALGreen standards require that plumbing fixtures do not exceed the established flow rates. The CALGreen standards also outline requirements for water-efficient landscaping design. Per PDF-GHG-2, the project would include a plant palette emphasizing drought-tolerant plants and use of water-efficient irrigation techniques.
Green Building Standards Code (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	No conflict. The project would be constructed in accordance with CALGreen and Title 24 building standards. Title 24 requirements for non-residential projects include high efficiency indoor and outdoor lighting requirements, thermostat and HVAC energy efficiency requirements, and electrical metering requirements. Additionally, per PDF-GHG-2, the project would also go beyond what is required by Title 24 building standards to include on site solar photovoltaic system that would cover 25% of the total roof area and could be expanded to 50% of the total roof area at later date. The CALGreen standards require that plumbing fixtures do not exceed the

Table 3-5. Project Potential to Conflict with 2017 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Potential to Conflict
		established flow rates. The CALGreen standards also outline requirements for water efficient landscaping design. Per PDF-GHG-2, the project would include a plant palette emphasizing drought-tolerant plants and use of water-efficient irrigation techniques.

Source: CARB 2014, 2017.

Notes: GHG = greenhouse gas; CARB = California Air Resources Board; SDG&E = San Diego Gas & Electric; VMT = vehicle miles traveled; SB = Senate Bill; N/A = not applicable; SF₆ = sulfur hexafluoride.

Based on the analysis in Table 3-5, the project would not conflict with the applicable strategies and measures in the 2017 Scoping Plan.

Consistency with AB 32 and 2008 Scoping Plan.

The project would not conflict with the applicable statewide regulatory programs designed to reduce GHG emissions consistent with AB 32, as described in Table 3-6.

Table 3-6. Consistency with Assembly Bill 32 Regulatory Programs

Regulatory Program	Potential to Conflict
Construction	
CARB In-Use Off-Road Regulation	No conflict. Off-road equipment used for construction of the project will utilize equipment in compliance with CARB Airborne Toxic Control Measures.
Mobile Sources	
California Assembly Bill 1493 (Pavley Standards)	No conflict. This regulatory program applies to vehicle manufacturers, and not directly to land use development. However, the vehicles operated by future occupants of and visitors to the project would benefit from and be consistent with this regulatory program in the form of reduced GHG emissions from the vehicle fleet for model years 2017 through 2025.
Advanced Clean Cars Program	No conflict. This regulatory program applies to vehicle manufacturers, and not directly to land use development. However, the vehicles operated by future occupants of and visitors to the project would benefit from and be consistent with this regulatory program in the form of reduced GHG emissions from the vehicle fleet for model years 2017 through 2025.
Low Carbon Fuel Standard Regulation	No conflict. This regulatory program applies to fuel suppliers, and not directly to land use development. However, the vehicles operated by future occupants of and visitors to the Project would benefit from and be consistent with this regulatory program in the form of reduced GHG emissions from the vehicle fleet.

Table 3-6. Consistency with Assembly Bill 32 Regulatory Programs

Regulatory Program	Potential to Conflict
Heavy-Duty Vehicle GHG Emission Reduction Regulation	No conflict. This regulatory program is intended to reduce fuel use and GHG emissions from medium- and heavy-duty vehicles, semi-trucks, pickup trucks and vans, and all types and sizes of work trucks and buses in between. The project construction and operational analysis includes the benefit of reductions from these programs.
CARB In-Use On-Road Heavy-Duty Diesel Vehicles Regulation	No conflict. This regulatory program applies to vehicle manufacturers, and not directly to land use development. However, the vehicles operated during project construction and operations would benefit from and be consistent with this regulatory program in the form of reduced GHG emissions from the vehicle fleet.
Energy Use	
California Title 20 Standards Appliance Energy Efficiency Standards	No conflict. The project would result in new land use development that would be outfitted with appliances that comply with the CEC’s Title 20 standards.
California Title 24, Part 6 Standards Building Energy Efficiency Standards	No conflict. The project will design and construct buildings in compliance with the CEC’s 2022 Title 24 standards. Title 24 requirements for non-residential projects include high efficiency indoor and outdoor lighting requirements, thermostat, and HVAC energy efficiency requirements, and electrical metering requirements. Additionally, per PDF-GHG-2, the project would also go beyond what is required by Title 24 building standards to include on site solar photovoltaic system that would cover 25% of the total roof area and could be expanded to 50% of the total roof area at later date.
California Title 24, Part 11 Standards Green Building Standards Code	No conflict. The development proposed by the project would comply with the CALGreen Code. The CALGreen Code requires that plumbing fixtures do not exceed the established flow rates outlined in Section 4.2.2. The CALGreen standards also outline requirements for water efficient landscaping design. Per PDF-GHG-2, the project would include a plant palette emphasizing drought-tolerant plants and use of water-efficient irrigation techniques.
California Senate Bill X1-2 Renewable Portfolio Standards	No conflict. This regulatory program applies to investor-owned utilities, electric service providers, and community choice aggregators, and not directly to land use development. However, the project would benefit from and be consistent with this regulatory because electricity would be purchased from SDG&E, which is required to procure 45% and 50% of retail sales from renewable energy resources by 2027 and 2030, respectively.
Water Supply, Treatment and Distribution	
Senate Bill X7-7 Water Use Efficiency Program	No conflict. This regulatory program is implemented through the California Department of Water Resources and urban water suppliers, not land use developers. The project would be consistent with water conservation objectives through use of the latest water-efficiency technologies, including those relating to water-conserving plumbing fixtures, weather-sensitive irrigation controls, drought-tolerant landscaping palette.

Table 3-6. Consistency with Assembly Bill 32 Regulatory Programs

Regulatory Program	Potential to Conflict
Executive Order B-29-15	No conflict. Mandatory water reductions are implemented via EO B-29-15 and a regulatory framework developed by the State Water Resources Control Board. These regulatory programs apply to urban water suppliers, not land use developers. The project would be consistent with water conservation objectives through use of the latest water-efficiency technologies, including those relating to water-conserving plumbing fixtures, weather-sensitive irrigation controls, drought-tolerant landscaping palettes...
California Title 24, Part 11 Standards Green Building Standards Code	No conflict. The project would be required to comply with the CALGreen Code. The use of water saving design elements (such as water-efficient toilets/urinals and faucets) will allow the project to comply with the required 20% reduction in indoor potable water use.

Source: CARB 2008.

Notes: CARB = California Air Resources Board; GHG = greenhouse gas; CEC = California Energy Commission; CALGreen = California Green Building Standards; SDG&E = San Diego Gas & Electric.

Based on the analysis in Table 3-6, the project would not conflict with AB 32 Regulatory Programs.

Project Potential to Conflict with SANDAG RTP/SCS

At the regional level, the SANDAG’s RTP/SCS has been adopted for the purpose of reducing GHG emissions attributable to passenger vehicles in the San Diego region. In October 2015, SANDAG adopted its Regional Plan, which was subsequently updated in 2021.

The 2021 Regional Plan identifies the following ten Implementation Actions designed as specific steps taken to bring projects, polices, and programs to reality, and each one supports the 2021 Regional Plan’s defined strategies.

1. Apply the Social Equity Planning Framework and ensure that equity is considered throughout 2021 Regional Plan implementation.
2. Develop Comprehensive Multimodal Corridor Plans (CMCPs) to refine 2021 Regional Plan projects at the corridor level and qualify the region for future funding opportunities.
3. Update SANDAG policies, including the TransNet Ordinance, to reflect 2021 Regional Plan projects and priorities.
4. Evaluate the transition to free public transit and develop a Value Pricing and User Fee Implementation Strategy.
5. Seek new local funding in addition to pursuing state and federal funding opportunities.
6. Advance the Next Operating System (Next OS) by preparing technical and planning studies and initiating pilot opportunities.
7. Implement the Regional Transportation Improvement Program (RTIP) and near-term projects.
8. Partner with local jurisdictions, tribal governments, agencies in Mexico, the military, and other agencies on collaborative efforts to implement the 2021 Regional Plan.
9. Expand regional programs and seek funding to fully support low-carbon transportation options, roadway safety and maintenance, habitat conservation, and nature-based climate solutions.

10. Advance a data science program to better understand travel behavior in the region, update travel demand modeling tools, and improve transparency and reporting on program effectiveness and project delivery.

Eleven policy and program areas are identified within the 2021 Regional Plan that support the ten priority Implementation Actions. These eleven policy and program areas are provided in Table 3-7 with analysis of the project consistency and represents the Project’s potential to conflict with the SANDAG 2021 Regional Plan.

Table 3-7. Project Consistency with SANDAG 2021 Regional Plan

Programs, Planning, and Policies	Implementation Actions	Potential to Conflict
Land Use and Habitat	The 2021 Regional Plan vision for land use focuses on development and growth in Mobility Hub areas to preserve the region’s habitat and open space while supporting transportation investments and reducing VMT. SANDAG will leverage partnerships with cities and the county through the Smart Growth Incentive Program and other grant programs to provide funds for transportation-related improvements and planning efforts that support smart growth in Mobility Hubs.	No conflict. The proposed project is in a Transit Priority Areas identified for 2025, 2035, and 2050 in the 2021 Regional Plan. The project is also in an identified employment center where growth should be targeted.
Housing	The 2021 Regional Plan addresses the housing crisis through Mobility Hubs, bringing locations where people live and work closer together and providing more housing options for more San Diegans through increased density. SANDAG will rely on building stronger partnerships with local jurisdictions to increase housing in the region, especially housing available to low-income residents.	No conflict. The project does not include housing, however, the project is in an area identified as an employment center by the Regional Plan.
Climate Action Planning	To help reach regional and state greenhouse gas (GHG) emissions–reduction targets, the 2021 Regional Plan focuses heavily on the conversion to clean transportation and a shift from personal vehicle dependency through the 5 Big Moves. To help local jurisdictions make this transition and achieve broader reductions in GHG emissions, SANDAG will provide technical assistance, guidance resources, templates, and grant funding to incorporate the 5 Big Moves and Sustainable Communities Strategy actions into their climate action plans (CAP) and plan for more well-connected, sustainable, healthy communities that are accessible to all.	No conflict. This action is not within the purview of this project and is instead directed towards local governments and those preparing plans for local jurisdictions. Implementation of the proposed project would not prevent SANDAG from providing the expressed guidance and resources for incorporating the 5 Big Moves and SCS actions into local CAPs.
Climate Adaptation and Resilience	The 2021 Regional Plan aims to better prepare San Diego communities and	No conflict. The proposed project is being developed on existing

Table 3-7. Project Consistency with SANDAG 2021 Regional Plan

Programs, Planning, and Policies	Implementation Actions	Potential to Conflict
	habitats for these climate change impacts by considering evacuation and rapid mobility needs in our transit corridors, evaluating and considering climate vulnerabilities to the region’s transportation infrastructure, and using natural lands and conservation to absorb and protect against climate change impacts. SANDAG will establish a coordinated effort across agencies and local jurisdictions for a more holistic, comprehensive, equitable, sustainable, and resilient region.	underdeveloped land and will not convert any natural working lands.
Electric Vehicles	Electrification is included in the 2021 Regional Plan as a way to reach regional greenhouse gas (GHG) emission–reduction targets. Electric vehicles (EVs) are zero-emission vehicles that include plug-in battery EVs and hydrogen fuel cell EVs. SANDAG aims to incentivize and encourage the incorporation of all types of EVs into Flexible Fleets, Transit Leap, and goods movement and to support funding programs that increase the number of EVs and charging stations throughout the region and within Mobility Hubs and as part of the Complete Corridor strategy.	No conflict. The Proposed Project would include electric vehicle charging infrastructure required by the most recent CalGreen standards.
Parking and Curb Management	The 2021 Regional Plan promotes policies that use land more efficiently and encourage people to consider switching from driving alone to walking, biking, taking transit, carpooling, and using shared mobility. Effective parking-management policies include reduced parking requirements, including near transit, unbundling parking from housing costs, and parking cash-out incentives for employees that commute to work without personal vehicles.	No conflict. The project is located in a Transit Priority Area within 1,000 feet of the H Street Transit Station. In addition, according to SANDAG’s VMT Screening Map, the project is in a VMT-efficient area.
Transportation Demand Management	Transportation Demand Management (TDM) innovations have the potential to transform the way people travel within and between communities. Managing demands on the existing transportation system is a vital strategy for making the overall system more effective in reducing drive-alone commute trips. SANDAG will continue to administer and monitor the iCommute program by providing regional rideshare, employer	No conflict. The project is located in a Transportation Priority Area near the H Street Transit Station within a VMT-efficient area. The proposed project is in census tract 12600. The SANDAG average VMT per employee is 18.90 and the threshold of 85 percent would be 16.06 VMT per employee or below. The average

Table 3-7. Project Consistency with SANDAG 2021 Regional Plan

Programs, Planning, and Policies	Implementation Actions	Potential to Conflict
	<p>outreach, and bike education and secure parking services to help reduce commute-related traffic congestion and vehicle miles traveled.</p>	<p>VMT per employee of this tract is 15.91, which is below the regional average VMT per employee of 18.90 as well as below the VMT per employee threshold (i.e. 85 percent of the regional mean) of 16.06.</p>
<p>Vision Zero</p>	<p>Vision Zero is a national campaign to eliminate all traffic-related deaths and serious injuries by focusing on policies and the redesign of streets to create a transportation system that is safe for everyone. In adopting Vision Zero, SANDAG will work toward Zero by collecting and analyzing crash data to identify safety issues and recommend solutions; developing a regional safety policy; continuing to construct the Regional Bike Network; working with local jurisdictions to conduct outreach for and build out their complete streets networks; and funding educational programs, including opportunities to collaborate with tribal nations.</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards SANDAG to prepare and implement a regional safety policy and to coordinate with local jurisdictions to provide resources and assistance on safe roadway design. Implementation of the proposed project would not prevent SANDAG from providing the expressed guidance and resources for Vision Zero planning efforts.</p>
<p>Fix It First</p>	<p>To optimize investments in the region’s transportation infrastructure, the Regional Plan and the 5 Big Moves focus on improving upon existing roads, rails, and sidewalks. The Fix It First strategy aims to repair existing roads and create a system for sustained maintenance in the future, creating a safe and efficient transportation network for all users.</p>	<p>No conflict. This action is not within the purview of this Project and is instead aimed at repair and maintenance of the regional transportation system. Implementation of the Proposed Project would not prevent SANDAG from improving the existing roads, rails, and sidewalks.</p>
<p>Transportation System Management and Operations</p>	<p>Transportation System Management and Operations (TSMO) employs a series of intelligent transportation system strategies designed to maximize the capacity and efficiency of the existing and future transportation system. TSMO includes the establishment of institutional and governance actions to help advance and facilitate cross-agency collaboration to ensure existing and proposed transportation systems are not operated or managed as independent systems but as a multimodal transportation system.</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards SANDAG to develop the TSMO through cross-agency collaboration. Implementation of the proposed project would not prevent SANDAG from employing the strategies in support of TSMO and multimodal transportation system.</p>

Table 3-7. Project Consistency with SANDAG 2021 Regional Plan

Programs, Planning, and Policies	Implementation Actions	Potential to Conflict
Value Pricing and User Fees	The 2021 Regional Plan incorporates a variety of value pricing and user fee strategies as tools to improve mobility by encouraging changes in travel behaviors while generating revenue to address aging infrastructure and expand travel options. These strategies include a network of Managed Lanes, a mileage-based road usage charge, a fee on the fares charged for rides provided by transportation network companies, and further subsidization of transit fares.	No conflict. This action is not within the purview of this project and is instead directed towards SANDAG to develop and implement pricing and fee strategies. Implementation of the Proposed Project would not prevent SANDAG from designing fee structures and other pricing tools to support infrastructure and expansion of travel options.

Source: SANDAG 2021a.

As shown in Table 3-7, the project would not conflict with actions from the SANDAG 2021 Regional Plan.

Project Potential to Conflict with City of Chula Vista General Plan

The proposed project would amend the General Plan to change the land use designation on the project site from Industrial (I) to Rohr Wohl Specific Plan; allowed uses on site would be governed by the Specific Plan. The General Plan is the primary source of long-range planning and policy direction that is used to guide development within the City and serves as a policy guide for determining the appropriate physical development and character of Chula Vista. While specific plans are not required to rigidly conform to the City’s General Plan, they must demonstrate consistency with the goals and policies set forth in the General Plan to demonstrate that the specific plan and General Plan are in general harmony. The Specific Plan has been prepared in conformance with the goals and policies of the City of Chula Vista General Plan as amended, in providing a commercial/light Industrial use on an underutilized property, creating new employment opportunities, and providing regulations that support the success of an employment area of the City. Table 3-8 provides a summary of applicable policies and the project’s potential to conflict with those policies.

Table 3-8. Project Consistency with the City of Chula Vista General Plan

Policy	Potential to Conflict
Environmental Element	
Objective E-6. Improve local air quality and reduce greenhouse gas emissions by minimizing the release of air pollutants and toxic air contaminants and limiting the exposure of people to such pollutants.	
Policies E 6.1: Encourage compact development featuring a mix of uses that locate residential areas within reasonable walking distance to jobs, services, and transit.	No conflict. The project is located on an existing developed site near transit in a transportation planning area and VMT-efficient area.
Policy E 6.2: Promote and facilitate transit system improvements in order to increase transit-use and reduce dependency on the automobile.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.

Table 3-8. Project Consistency with the City of Chula Vista General Plan

Policy	Potential to Conflict
<p>Policy E 6.3: Facilitate the use of alternative fuel and low- and zero-emission vehicles and equipment in the community.</p>	<p>No conflict. This is a City-wide measure, however the project would not impede the City’s efforts to facilitate the use of alternative fuel and low- and zero-emission vehicles and equipment in the community. The project includes PDF-GHG-1 which includes a leasing preference for tenants with a facility owned fleet that utilizes alternative and or zero emission vehicles. Additionally, Mitigation Measure AQ-4 requires the use of zero-emission cargo handling equipment.</p>
<p>Policy E 6.4: Do not site new or re-powered fossil-fueled baseload or peaking-type Electric-Generating Facilities and other major toxic emitters within 1,000 feet of sensitive receptors, or site sensitive receptors within 1,000 feet of such facilities</p>	<p>Not applicable. The project does not include Electric-Generating Facilities and is not a major toxic emitter. The Health Risk Assessment prepared for the project resulted in the incorporation of Mitigation Measures AQ-4, AQ-5, and AQ-6, which require the use of zero-emission cargo handling equipment, the cleanest tier of emergency generators, and truck requirements, respectively that serve to reduce toxic air contaminants in the form of diesel particulate matter. With the incorporation of mitigation, the project does not result in a significant impact to sensitive receptors.</p>
<p>Policy E 6.5: Ensure Electrical Generating Facilities incorporate cleaner fuel sources and least-polluting technologies in order to help transition the City to a less fossil fuel dependent future, while meeting Chula Vista’s energy demand.</p>	<p>Not applicable. The project does not include Electric-Generating Facilities.</p>
<p>Policy E 6.6: Explore incentives to promote voluntary air pollutant reductions, including incentives for developers who go above and beyond applicable requirements and for facilities and operations that are not otherwise regulated.</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.</p>
<p>Policy E 6.7: Encourage innovative energy conservation practices and air quality improvements in new development and redevelopment projects consistent with the City's Air Quality Improvement Plan Guidelines or its equivalent, pursuant to the City's Growth Management Program</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.</p>
<p>Policy E 6.8: Encourage climate resilient design techniques in new buildings and infrastructure to reduce future risks from climate change-related impacts such as wildfires, extreme heat, and flooding.</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.</p>
<p>Policy E 6.9: Discourage the use of landscaping equipment powered by two-stroke gasoline engines within the City and promote less-polluting alternatives to their use.</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.</p>

Table 3-8. Project Consistency with the City of Chula Vista General Plan

Policy	Potential to Conflict
<p>Policy E 6.10: The siting of new sensitive receivers within 500 feet of highways resulting from development or redevelopment projects shall require the preparation of a health risk assessment as part of the CEQA review of the project. Attendant health risks identified in the Health Risk Assessment (HRA) shall be feasibly mitigated to the maximum extent practicable, in accordance with CEQA, in order to help ensure that applicable federal and state standards are not exceeded.</p>	<p>Not applicable. The project does not include the siting of new sensitive receptors. The Health Risk Assessment prepared for the project resulted in the incorporation of Mitigation Measures AQ-4, AQ-5, and AQ-6, which require the use of zero-emission cargo handling equipment, the cleanest tier of emergency generators, and truck requirements, respectively that serve to reduce toxic air contaminants in the form of diesel particulate matter. With the incorporation of mitigation, the project does not result in a significant impact to sensitive receptors.</p>
<p>Policy E 6.11: Develop strategies to minimize CO hot spots that address all modes of transportation.</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement. The project was evaluated for potential to cause a hotspot and was determined to not result in a significant impact.</p>
<p>Policy E 6.12: Promote clean fuel sources that help reduce the exposure of sensitive uses to pollutants</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.</p>
<p>Policy E 6.13: Encourage programs and infrastructure to increase the availability and usage of energy-efficient vehicles, such as hybrid electric vehicles, electric vehicles, or those that run on alternative fuels.</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.</p>
<p>Policy E 6.14: Transition the City fleet to 100% “clean” vehicles by integrating hybrid and alternative fuel vehicles as current municipal fleet vehicles are replaced</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.</p>
<p>Policy E 6.15: Site industries: and other stationary emitters in a way that minimizes the potential impacts of poor air quality on homes, schools, hospitals, and other land uses where people congregate, and disadvantaged populations.</p>	<p>No conflict. The project location was previously used for industrial uses. There are existing residences located within 500 feet of the project’s eastern boundaries. A Health Risk Assessment was prepared for the project and resulted in the incorporation of Mitigation Measures AQ-4, AQ-5, and AQ-6, which require the use of zero-emission cargo handling equipment, the cleanest tier of emergency generators, and truck requirements, respectively that serve to reduce toxic air contaminants in the form of diesel particulate matter. With the incorporation of mitigation, the project does not result in a significant impact to sensitive receptors.</p>
<p>Policy E 6.16: Encourage the use of bicycles through support of bike share opportunities, community bike programs, and the provision of bicycle parking opportunities such as bike racks and bike lockers</p>	<p>No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.</p>
<p>Objective E-6B. Prioritize greening efforts to keep air, water, and land clean.</p>	

Table 3-8. Project Consistency with the City of Chula Vista General Plan

Policy	Potential to Conflict
Policy E 6B.1: Protect and develop shade tree cover along streets and within parking lots as a priority, particularly in new developments or tree-deficient areas.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 6B.2: Preferentially plant female street trees to reduce pollen, especially in the most populated areas.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 6B.3: Prioritize natural filtration, as opposed to impermeable hardscaping, within new development projects, along roadways, and adjacent to stream and riverbanks.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 6B.4: Update the building code to support best practices in “green building” design, construction, and operations.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 6B.5: Provide fast-track permitting for projects that implement “green building” design and construction.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 6B.6: Encourage or require all new building construction to incorporate green roofs and encourage conversions of existing roof space to green roofs to reduce heat island effect.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Objective E- 7 Promote energy conservation through the efficient use of energy and through the development of local, non-fossil fuel-based renewable sources of energy	
Policy E 7.1: Promote development of regulations and building design standards that maximize energy efficiency through appropriate site and building design and through the use of energy-efficient materials, equipment, and appliances.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 7.2: Encourage and support the local research, development, generation, and use of non-fossil, fuel-based renewable sources of energy, including wind and solar resources, that meet local energy needs in an environmentally sensitive manner and reduce dependence on imported energy.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 7.3: Develop and provide pertinent information about the benefits of energy conservation and available energy conservation incentive programs to all segments of the community.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 7.4: Pursue and encourage the expansion of local energy conservation, energy efficiency, and related incentive programs.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.

Table 3-8. Project Consistency with the City of Chula Vista General Plan

Policy	Potential to Conflict
Policy E 7.5: Pursue 40% City-wide electricity supply from clean, renewable resources by 2017.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 7.6: Encourage the construction and operation of green buildings, considering such programs as the Leadership in Energy and Environmental Design (LEEDTM) Green Building Rating System	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 7.7: Support tree planting programs that will be implemented to reduce energy needs.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 7.8: Ensure that residential and non-residential construction complies with all applicable City of Chula Vista energy efficiency measures and other green building measures that are in effect at the time of discretionary permit review and Approval or building permit issuance, whichever is applicable.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement. The project will comply with applicable regulations.
Objective E- 8. Minimize the amount of solid waste generated within the General Plan area that requires landfill disposal.	
Policy E 8.1: Promote efforts to reduce waste, minimize the need for additional landfills, and provide economically and environmentally sound resource recovery, management, and disposal facilities.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 8.2: Support the development of composting programs for commercial and residential development.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 8.3: Implement source reduction strategies, including curbside recycling, use of small collection facilities for recycling, and composting.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 8.4: Provide information about applicable solid waste reduction programs to all segments of the community, including other governmental institutions.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 8.5: Encourage the reduction of household hazardous waste generation and disposal by promoting the use of safe substitutes, and by promoting and facilitating recycling of household hazardous waste.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.
Policy E 8.6: Permit recycling operations and businesses that utilize recyclable materials within industrial zones in close proximity to Otay Landfill, subject to conformance with applicable SPA Plan-level policies and zoning regulations.	No conflict. This action is not within the purview of this project and is instead directed towards the City to implement.

Source: City of Chula Vista, 2005

Based on the preceding information, the project would not conflict with applicable General Plan Policies.

Quantification of GHG Emissions

Construction of the Project would result in GHG emissions, which are primarily associated with the use of off-road construction equipment, haul trucks, on-road vendor trucks, and worker vehicles.

Construction Emissions

Construction of the Project would result in GHG emissions, which are primarily associated with the use of off-road construction equipment, haul trucks, on-road vendor trucks, and worker vehicles.

CalEEMod 2022 was used to calculate the annual GHG emissions based on the construction scenario described in Section 3.32. Construction of the project is anticipated to commence in August 2024 for Planning Area B-1 and would be completed in October 2026. Planning Area B-2 is anticipated to begin construction in August 2028 and be completed in September 2029. On-site sources of GHG emissions include off-road equipment and off-site sources including vendor trucks and worker vehicles. Table 3-9 presents construction emissions for the project in 2024 through 2029 from on-site and off-site emission sources.

Table 3-9. Estimated Annual Construction Greenhouse Gas Emissions

Year	CO ₂	CH ₄	N ₂ O	R	CO ₂ e
	Metric Tons per Year				
2024	514.19	0.02	0.04	0.31	527.74
2025	713.83	0.03	0.04	0.62	728.09
2026	402.46	0.02	0.02	0.31	410.14
2028	365.93	0.01	0.03	0.27	374.14
2029	538.36	0.02	0.04	0.37	550.61
Total					2,590.72
<i>Amortized 30-Year Construction Emissions</i>					<i>86.36</i>

Source: CalEEMod 2022.

Notes: CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; R = refrigerant; CO₂e = carbon dioxide equivalent; <0.01 = reported value less than 0.01. Totals may not add due to rounding. See Appendix A for complete results. Values shown are the mitigated emissions from implementation of MM-AQ-2 and MM-AQ-3.

Numbers may not add due to rounding.

As shown in Table 3-9, the estimated total GHG emissions during construction of would be approximately 2,590.72 MT CO₂e over the construction period. Estimated project-generated construction emissions amortized over 30 years would be 83.36 MT CO₂e per year. As with project-generated construction criteria air pollutant emissions, GHG emissions generated during construction of the project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions.

Operational Emissions

Operation of the project would generate GHG emissions through vehicle trips by residents, employees, customers, and visitors to and from the project site; landscape maintenance equipment operation; energy use (generation of electricity consumed by the project); solid waste disposal; generation of electricity associated with water supply,

treatment, and distribution and wastewater treatment; and refrigerants. CalEEMod was used to calculate the annual GHG emissions based on the operational assumptions described in Section 3.3.2.2, Operation. The estimated operational project-generated GHG emissions from area sources, energy usage, motor vehicles, solid waste generation, and water usage and wastewater generation are shown in Table 3-10.

Table 3-10. Estimated Annual Operational Greenhouse Gas Emissions

Source	CO ₂	CH ₄	N ₂ O	R	CO ₂ e
	metric tons per year				
Project					
Mobile	17,704.90	0.67	1.29	16.05	18,121.81
Area	13.99	0.00	0.00		14.04
Energy	3,590.87	0.49	0.04	0	3,615.82
Water	144.37	5.54	0.13	0	322.69
Waste	85.39	8.53	0.00	0	298.75
Refrigeration	0	0	0	2,183.79	2,183.79
Offroad (forklifts, yard trucks)	0	0	0	0	0
Stationary (Emergency Generators)	47.60	0.00	0.00	0.00	47.76
<i>Subtotal</i>	<i>21,587.12</i>	<i>15.24</i>	<i>1.47</i>	<i>2,199.84</i>	<i>24,604.66</i>
Existing					
Mobile	3,525.74	0.20	0.16	6.56	3,584.87
Area	14.57	0.00	0.00		14.63
Energy	4,121.47	0.30	0.02		4,135.12
Water	457.95	7.53	0.18		700.24
Waste	104.23	10.42	0.00		364.68
Refrigeration				33.05	33.05
Offroad (forklifts, yard trucks)	1,430.18	0.06	0.01		1,435.09
Stationary (Emergency Generators)	0	0	0	0	0
<i>Subtotal</i>	<i>9,654.15</i>	<i>18.51</i>	<i>0.37</i>	<i>39.61</i>	<i>10,267.67</i>
Net					
Mobile	14,179.16	0.47	1.13	9.49	14,536.94
Area	-0.58	0	0	0	-0.59
Energy	-530.60	0.19	0.02	0.00	-519.30
Water	-313.58	-1.99	-0.05	0	-377.55
Waste	-18.84	-1.89	0	0	-65.93
Refrigeration	0	0	0	2150.74	2150.74
Offroad (forklifts, yard trucks)	-1,430.18	-0.06	-0.01	0.00	-1,435.09
Stationary (Emergency Generators)	47.6	0	0	0	47.76
Total	11,932.98	-3.28	1.09	2,160.23	14,336.98
<i>Amortized 30-Year Construction Emissions</i>					<i>86.36</i>

Table 3-10. Estimated Annual Operational Greenhouse Gas Emissions

Source	CO ₂	CH ₄	N ₂ O	R	CO ₂ e
	metric tons per year				
Project Operations + Amortized Construction Total					14,423.34

Source: CalEEMod 2022.

Notes: CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; R= refrigerant; CO₂e = carbon dioxide equivalent; <0.01 = reported value less than 0.01. Values shown are the mitigated emissions from implementation of MM-AQ-4, MM-AQ-5, and MM-AQ-6. Numbers may not add due to rounding.

See Rohr-Wohl Specific Plan – Regional – Mitigated Operational Detailed Report.pdf in Appendix A for complete results.

As shown in Table 3-8, estimated annual project generated GHG emissions would be approximately 14,336.98 MT CO₂e per year; with amortized construction emissions of approximately 86.36 MT CO₂e per year, total project emissions would be approximately 14,423.34 MT CO₂e per year.

Level of Significance Before Mitigation

As discussed above, the project’s significance is based on its potential to conflict with the applicable plans adopted for the purpose of reducing GHG emissions, including the City’s CAP, the 2022 Scoping Plan, the 2017 Scoping Plan, AB 32 Regulations, SANDAG’s RTP/SCS and the City’s General Plan. As shown in the above tables, the project would not conflict with applicable GHG reduction plans and regulations, accordingly, the impact would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant.

4 Energy

4.1 Environmental Setting

The San Diego region, like many other urban areas, faces challenges related to its energy supply and future growth. The region relies on a combination of sources for electricity, including natural gas, renewables, and imported power. California, including San Diego, had been making significant strides in increasing the share of renewable energy in its power mix, with a focus on solar and wind energy.

4.1.1 Electricity

According to the U.S. Energy Information Administration (EIA), California used approximately 247,249,865 megawatt-hours of electricity in 2021 (EIA 2022a). Electricity usage in California for different land uses varies substantially by the types of uses in a building, type of construction materials used in a building, and the efficiency of all electricity-consuming devices within a building. Due to the state's energy efficiency building standards and efficiency and conservation programs, California's electricity use per capita in the residential and commercial sector is lower than any other state except Hawaii (EIA 2023a).

San Diego Gas & Electric (SDG&E) provides electricity to the Project. SDG&E supplies power to 3.6 million people, through 1.4 million electric meters, and across a 4,100 square-mile service area that includes San Diego County and southern Orange County (SDG&E 2021). According to the California Energy Commission, demand forecasts anticipate that approximately 22.7 billion kWh of electricity will be used in SDG&E's service area in 2024 (CEC 2023a).

SDG&E receives electric power from a variety of sources. According to the 2022 SDG&E Power Content Label, eligible renewable energy accounts for 44.5% of SDG&E's overall energy resources, with biomass and biowaste at 2.9%, solar at 28.0%, wind power at 13.9%, unspecified power¹² 0.8%, and natural gas at 54.4. (CEC 2023c). Within San Diego County, annual electricity use in 2022 was approximately 20.2 billion kWh per year (CEC 2023b).

4.1.2 Natural Gas

Natural gas is a combustible mixture of hydrocarbon compounds (primarily methane) used as a fuel source. The majority of the natural gas consumed in California is obtained from sources located outside the state and delivered through high-pressure transmission pipelines. Natural gas provides almost one-third of the state's total energy requirements and is used in electricity generation, space heating, cooking, water heating, industrial processes, and as a transportation fuel. Natural gas is measured in terms of cubic feet.

According to the EIA, California used approximately 2,092,612 million cubic feet of natural gas in 2021 (EIA 2023b). The majority of California's natural gas customers are residential and small commercial customers (core customers). These customers account for approximately 35% of the natural gas delivered by California utilities (CPUC 2021). Large consumers, such as electric generators and industrial customers (noncore customers), account for approximately 65% of the natural gas delivered by California utilities (CPUC 2021). CPUC regulates California

¹² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.

natural gas rates and natural gas services, including in-state transportation over transmission and distribution pipeline systems, storage, procurement, metering, and billing. Most of the natural gas used in California comes from out-of-state natural gas basins. Biogas (e.g., from wastewater treatment facilities or dairy farms) is just beginning to be delivered into the gas utility pipeline systems; however, the State has adopted regulations requiring its development to reduce statewide emissions of methane by 40% below 2013 levels by 2030 (CPUC 2022).

SDG&E provides San Diego County and southern Orange County with natural gas service, encompassing approximately 4,100 square miles. Within San Diego County, gas consumption in 2022 was approximately 522 million therms, with 281 million therms for residential use and 241 million therms for non-residential use (CEC 2023d).

4.1.3 Petroleum

According to the EIA, California used approximately 605 million barrels of petroleum in 2021, with the majority (511 million barrels) used for the transportation sector, (EIA 2023c). There are 42 U.S. gallons in a barrel, so this equates to a total daily use of approximately 14.4 million gallons of petroleum among all sectors and 12.2 million gallons for the transportation sector. Petroleum usage in California includes petroleum products such as motor gasoline, distillate fuel, liquefied petroleum gases, and jet fuel. At the federal and state levels, various policies, rules, and regulations have been enacted to improve vehicle fuel efficiency, promote the development and use of alternative fuels, reduce transportation - source air pollutants and greenhouse gas (GHG) emissions, and reduce vehicle miles traveled (VMT). Section 4.6.2, Relevant Plans, Policies, and Ordinances, discusses in more detail both federal and state regulations that would help increase fuel efficiency of motor vehicles and reduce GHG emissions. Market forces have driven the price of petroleum products steadily upward over time, and technological advances have made use of other energy resources or alternative transportation modes increasingly feasible.

4.2 Regulatory Setting

4.2.1 Federal

4.2.1.1 Federal Energy Policy and Conservation Act and CAFE Standards

In 1975, Congress enacted the federal Energy Policy and Conservation Act, which established the first fuel economy standards, known as the Corporate Average Fuel Economy (CAFE) standards, for on-road motor vehicles in the United States. Pursuant to the act, the National Highway Traffic Safety Administration (NHTSA) is responsible for establishing additional vehicle standards. In 2012, new CAFE standards for passenger cars and light trucks were approved for model years 2017 through 2021 (77 FR 62624-63200). Fuel economy is determined based on each manufacturer's average fuel economy for the fleet of vehicles available for sale in the United States.

4.2.1.2 Energy Policy Act of 1992 and 2005

The Energy Policy Act of 1992 was passed to reduce the country's dependence on foreign petroleum and improve air quality. The act includes several parts intended to build an inventory of alternative fuel vehicles (AFVs) in large, centrally fueled fleets in metropolitan areas. The act requires certain federal, state, and local government and private fleets to purchase a percentage of light-duty AFVs capable of running on alternative fuels each year. In

addition, financial incentives are also included in the act. Federal tax deductions are allowed for businesses and individuals to cover the incremental cost of AFVs. The Energy Policy Act also requires states to consider a variety of incentive programs to help promote AFVs. The Energy Policy Act provides renewed and expanded tax credits for electricity generated by qualified energy sources, such as landfill gas; provides bond financing, tax incentives, grants, and loan guarantees for clean renewable energy and rural community electrification; and establishes a federal purchase requirement for renewable energy.

In January 2005, the new Energy Policy Act was signed into law. It addresses energy production in the United States, including energy efficiency, renewable energy, oil and gas, coal, Tribal energy, nuclear matters and security, vehicles and motor fuels, including ethanol, hydrogen, electricity, energy tax incentives, hydropower and geothermal energy, and climate change technology. The Energy Policy Act provides loan guarantees for entities that develop or use innovative technologies that avoid the by-production of greenhouse gases. Another provision of the Energy Policy Act is the Renewable Fuel Standard (RFS), which increases the amount of biofuel that must be mixed with gasoline sold in the United States.

4.2.1.3 Energy Independence and Security Act of 2007

On December 19, 2007, the Energy Independence and Security Act of 2007 (EISA) was signed into law. In addition to setting increased CAFE standards for motor vehicles, the EISA facilitates the reduction of national GHG emissions by requiring the following:

- Increasing the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard (RFS) that requires fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Prescribing or revising standards affecting regional efficiency for heating and cooling products, procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.
- Requiring approximately 25% greater efficiency for light bulbs by phasing out incandescent light bulbs between 2012 and 2014; requiring approximately 200% greater efficiency for light bulbs, or similar energy savings, by 2020.
- While superseded by the U.S. Environmental Protection Agency (EPA) and NHTSA actions described previously, establishing miles per gallon targets for cars and light trucks and directing the NHTSA to establish a fuel economy program for medium-and heavy-duty trucks and create a separate fuel economy standard for trucks.

This federal legislation requires ever-increasing levels of renewable fuels (the RFS) to replace petroleum (EPA 2023b). EPA is responsible for developing and implementing regulations to ensure that transportation fuel sold in the United States contains at least a minimum volume of renewable fuel.

The RFS program was created under the Energy Policy Act and established the first renewable fuel volume mandate in the United States. As required under the Energy Policy Act, the original RFS program required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. Under the EISA, the RFS program was expanded in several ways that laid the foundation for achieving significant reductions in GHG emissions from the use of renewable fuels, reducing imported petroleum, and encouraging the development and expansion of the renewable fuels sector in the United States. The updated program is referred to as “RFS2” and includes the following:

- The EISA expanded the RFS program to include diesel, in addition to gasoline.
- The EISA increased the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022.
- The EISA established new categories of renewable fuel and set separate volume requirements for each one.
- The EISA required EPA to apply lifecycle GHG performance threshold standards to ensure that each category of renewable fuel emits fewer GHGs than the petroleum fuel it replaces.

Additional provisions of the EISA address energy savings in government and public institutions, research for alternative energy, additional research in carbon capture, international energy programs, and the creation of green (environmentally beneficial) jobs.

4.2.1.4 Intermodal Surface Transportation Efficiency Act of 1991

The Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 promoted the development of intermodal transportation systems to maximize mobility and address national and local interests in air quality and energy. ISTEA contained factors for metropolitan planning organizations to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, metropolitan planning organizations adopted policies defining the social, economic, energy, and environmental values guiding transportation decisions.

4.2.1.5 Transportation Equity Act for the 21st Century

The Transportation Equity Act for the 21st Century was signed into law in 1998 and builds on the initiatives established in the ISTEA legislation (previously discussed). The Transportation Equity Act authorizes highway, highway safety, transit, and other efficient surface transportation programs. The act continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of transportation decisions. The Transportation Equity Act also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of intelligent transportation systems to help improve operations and management of transportation systems and vehicle safety.

4.2.2 State

Warren-Alquist Act

The California legislature passed the Warren-Alquist Act in 1974. The Warren-Alquist Act created the California Energy Commission (CEC). The legislation also incorporated the following three key provisions designed to address the demand side of the energy equation:

- The act directed the CEC to formulate and adopt the nation's first energy conservation standards for buildings constructed and appliances sold in California.
- The act removed the responsibility of electricity demand forecasting from the utilities, which had a financial interest in high-demand projections, and transferred it to a more impartial CEC.

- The CEC was directed to embark on an ambitious research and development program, with a particular focus on fostering what were characterized as non-conventional energy sources.

State of California Energy Action Plan

CEC and CPUC approved the first State of California Energy Action Plan in 2003. The Energy Action Plan established shared goals and specific actions to support that adequate, reliable, and reasonably priced electrical power and natural gas supplies are provided, and identified policies, strategies, and actions that are cost effective and environmentally sound for California's consumers and taxpayers. In 2005, CEC and CPUC adopted a second Energy Action Plan to reflect various policy changes and actions of the preceding 2 years.

At the beginning of 2008, CEC and CPUC determined that it was not necessary or productive to prepare a new Energy Action Plan. This determination was based, in part, on a finding that the state's energy policies have been significantly influenced by the passage of Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006 (discussed below). Rather than produce a new Energy Action Plan, CEC and CPUC prepared an update that examines the state's ongoing actions in the context of global climate change.

Assembly Bill 32 and Senate Bill 32

In 2006, the State Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires California to reduce its GHG emissions to 1990 levels by 2020. In 2016, the Legislature enacted Senate Bill (SB) 32, which extended the horizon year of the state's codified GHG reduction planning targets from 2020 to 2030, requiring California to reduce its GHG emissions to 40% below 1990 levels by 2030. In accordance with AB 32 and SB 32, the California Air Resources Board (CARB) prepares scoping plans to guide the development of statewide policies and regulations for the reduction of GHG emissions. Many of the policy and regulatory concepts identified in the scoping plans focused on increasing energy efficiencies, using renewable resources, and reducing the consumption of petroleum-based fuels (such as gasoline and diesel). As such, the state's GHG emissions reduction planning framework creates co-benefits for energy-related resources.

Senate Bills 1078 (2002), 107 (2006), X1-2 (2011), 350 (2015), 100 (2018), SB 1020 (2022)

Senate Bill (SB) 1078 established the California Renewable Portfolio Standard (RPS) Program and required that a retail seller of electricity purchase a specified minimum percentage of electricity generated by eligible renewable energy resources as defined in any given year, culminating in a 20% standard by December 31, 2017. These retail sellers include electrical corporations, community choice aggregators, and electric service providers. The bill relatedly required the CEC to certify eligible renewable energy resources, design and implement an accounting system to verify compliance with the RPS by retail sellers, and allocate and award supplemental energy payments to cover above-market costs of renewable energy.

SB 107 (2006) accelerated the RPS established by SB 1078 by requiring that 20% of electricity retail sales be served by renewable energy resources by 2010 (not 2017). Additionally, SB X1-2 (2011) requires all California utilities to generate 33% of their electricity from eligible renewable energy resources by 2020. Specifically, SB X1-2 sets a three-stage compliance period: by December 31, 2013, 20% had to come from renewables; by December 31, 2016, 25% had to come from renewables; and by December 31, 2020, 33% will come from renewables.

SB 350 (2015) expanded the RPS because it requires retail seller and publicly owned utilities to procure 50% of their electricity from eligible renewable energy resources by 2030, with interim goals of 40% by 2024 and 45% by 2027.

SB 100 (2018) accelerated and expanded the standards set forth in SB 350 by establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030 be secured from qualifying renewable energy sources. SB 100 also states that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of electricity to California by 2045. This bill requires that the achievement of 100% zero-carbon electricity resources does not increase the carbon emissions elsewhere in the western grid and that the achievement not be achieved through resource shuffling.

SB 1020 (2022) revises the standards from SB 100, requiring the following percentage of retail sales of electricity to California end-use customers come from eligible renewable energy resources and zero-carbon resources:

- 90% by December 31, 2035
- 95% by December 31, 2040
- 100% by December 31, 2045

Consequently, utility energy generation from non-renewable resources is expected to be reduced based on implementation of the RPS requirements described above.

California Building Standards

The California Building Standards Code was established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure that new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every 3 years by the Building Standards Commission and the California Energy Commission (CEC) and revised if necessary (California Public Resources Code Section 25402[b][1]). The regulations receive input from members of industry, as well as the public, to "reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (California Public Resources Code Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (California Public Resources Code Section 25402[d]) and cost effectiveness (California Public Resources Code Section 25402[b][2-3]). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment. The current Title 24 standards are the 2022 Title 24 building energy efficiency standards, which became effective January 1, 2023.

In addition to CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24), which is commonly referred to as California's Green Building Standards (CALGreen), establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality.

Integrated Energy Policy Report

The CEC is responsible for preparing integrated energy policy reports that identify emerging trends related to energy supply, demand, and conservation; public health and safety; and maintenance of a healthy economy. The CEC's 2023 Integrated Energy Policy Report discusses the state's policy goals of decarbonizing buildings, ensuring energy reliability, decarbonizing the state's gas system, the state's energy demand forecast, and quantifying the benefits of the clean transportation program (CEC 2023e). SB 100 calls for California's electricity system to become 100% zero-carbon by 2045. CEC, CPUC, and CARB are working together to identify pathways to deeply decarbonize the state's electricity system in response to SB 100. The aim is to leverage California's clean electricity system to decarbonize, or remove carbon from, other portions of the state's energy system. Over time these policies and trends would serve to beneficially reduce a project's GHG emissions profile and energy consumption as they are implemented.

State Vehicle Standards

In response to the transportation sector accounting for more than half of California's CO₂ emissions, AB 1493 was enacted in 2002. AB 1493 required CARB to set GHG emissions standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles whose primary use is noncommercial personal transportation in the state. The bill required that CARB set GHG emissions standards for motor vehicles manufactured in 2009 and all subsequent model years. The 2009–2012 standards resulted in a reduction in approximately 22% of GHG emissions compared to emissions from the 2002 fleet, and the 2013–2016 standards resulted in a reduction of approximately 30%.

In 2012, CARB approved a new emissions-control program for model years 2017 through 2025. The program combines the control of smog, soot, and global-warming gases with requirements for greater numbers of zero-emissions vehicles into a single package of standards called Advanced Clean Cars, detailed below. By 2025, when the rules would be fully implemented, new automobiles would emit 34% fewer global-warming gases and 75% fewer smog-forming emissions.

Although the focus of the state's vehicle standards is on the reduction of air pollutants and GHG emissions, one co-benefit of implementation of these standards is a reduced demand for petroleum-based fuels.

Advanced Clean Car Program

The Advanced Clean Cars (ACC) I program (January 2012) is an emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package of regulations: the Low-Emission Vehicle (LEV) regulation for criteria air pollutant and GHG emissions and a technology forcing regulation for zero-emission vehicles (ZEV) that contributes to both types of emission reductions. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars. To improve air quality, CARB has implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that in 2025 cars will emit 75 percent less smog-forming pollution than the average new car sold in 2015. The ZEV program will act as the focused technology of the ACC I program by requiring manufacturers to produce increasing numbers of ZEVs and plug-in hybrid EVs in the 2018 to 2025 model years.

The ACC II program is currently in development to establish the next set of LEV and ZEV requirements for model years after 2025 to contribute to meeting federal ambient air quality ozone standards and California's carbon neutrality standards. The main objectives of ACC II are:

11. Maximize criteria and GHG emission reductions through increased stringency and real-world reductions.
12. Accelerate the transition to ZEVs through both increased stringency of requirements and associated actions to support wide-scale adoption and use.

An ACC II rulemaking package, which considers technological feasibility, environmental impacts, equity, economic impacts, and consumer impacts, was approved by the Office of Administrative Law (OAL) on November 30, 2022. This requires that, by 2035, all new passenger cars, trucks, and sports utility vehicles (SUVs) will be zero emissions by 2035. However, as detailed previously, EPA and NHTSA published the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule, which revokes California's authority to set its own GHG emissions standards and set ZEV mandates in California. Since California and 22 other states, as well as the District of Columbia and four cities, filed suit against the EPA and a petition for reconsideration of the SAFE Rule, the ACC II rulemaking's course may vary depending on the results of this ongoing litigation.

Advanced Clean Trucks Program

The purpose of the ACT Regulation (June 2020) is to accelerate the market for zero-emission vehicles in the medium- and heavy-duty truck sector and to reduce emissions NO_x, fine particulate matter, TACs, GHGs, and other criteria pollutants generated from on-road mobile sources (CARB 2021). Requiring medium- and heavy-duty vehicles to transition to zero-emissions technology will reduce health risks to people living in and visiting California and is needed to help California meet established near- and long-term air quality and climate mitigation targets. The regulation has two components including (1) a manufacturer sales requirement and (2) a reporting requirement:

1. Zero-emission truck sales: Manufacturers who certify Class 2b-8 chassis or complete vehicles with combustion engines will be required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales would need to be 55% of Class 2b – 3 truck sales, 75% of Class 4 – 8 straight truck sales, and 40% of truck tractor sales.
2. Company and fleet reporting: Large employers including retailers, manufacturers, brokers and others will be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, will be required to report about their existing fleet operations. This information will help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

4.2.3 Local

4.2.3.1 San Diego Gas & Electric (SDG&E) Individual Integrated Resource Plan

SDG&E's Conforming Portfolio identifies a need for approximately 700 gigawatt-hours of incremental renewable power in addition to the assumed increases in energy efficiency and behind-the-meter solar, to meet the 2030 planning

target (approximately 4% of the total energy in the portfolio) (SDG&E 2021). SDG&E's Conforming Portfolio demonstrates that the utility has reduced its GHG emissions in the early years of the planning period, reflecting its current position in relation to its RPS targets—in 2018, approximately 45% of its energy mix came from delivering renewable resources (compared to an RPS requirement of 29%), it has aggressively adopted energy storage, and does not use coal resources. SDG&E is fully compliant with RPS and long-term contracting requirements. SDG&E continues its efforts to meet resource-specific renewable procurement mandates, as required, but does not expect to procure additional resources for RPS compliance purposes until after 2030. City of Chula Vista Climate Action Plan

Since 2000, Chula Vista has been implementing a Climate Action Plan (CAP) to address climate change issues and its impacts on the City. The City's Climate Action Plan is a group of documents including various GHG emission inventories, the original Carbon Dioxide Reduction Plan (2000), Climate Mitigation Plan (2008), new Climate Adaptation Plan (2011), and Municipal Action (2014). The City's Increased Energy Efficiency Ordinance, Green Building Standards, and Solar Ready Ordinances are products of the Climate Action Plan. Actions and goals of the 2017 CAP relate to energy and water efficient buildings, smart growth and clean transit, zero waste, increased local energy and water resources, leading by example, and community resilience (City of Chula Vista 2017).

4.2.3.2 Chula Vista Climate Adaptation Strategies – Implementation Plans

The Climate Adaptation Strategies – Implementation Plans document developed by the Climate Change Working Group includes 11 strategies to adapt Chula Vista to the potential impacts of global climate change, including energy supply. The strategies to reduce energy demand include cool paving, shade trees, and cool roofs. For each strategy, the plans outline specific implementation components, critical steps, costs, and timelines. To limit the necessary staffing and funding required to implement the strategies, the plans were also designed to build upon existing municipal efforts rather than create new, stand-alone policies or programs. Initial implementation of all 11 strategies is intended to be phased in over a 3-year period from plan adoption (City of Chula Vista 2011).

4.2.3.3 Chula Vista Green Building Standards

The City of Chula Vista amended the Municipal Code Ordinance 15.12 pertaining to green building practices to include residential and non-residential remodels and additions. The Code contains Residential Mandatory Measures and Non-Residential Mandatory Measures and also provides Voluntary Measures that can be used by developers to improve energy efficiency and reduce environmental impacts through design and construction.

4.2.3.4 San Diego Regional Energy Efficiency Plan/City of Chula Vista Energy Strategy and Action Plan

The San Diego Regional Energy Strategy serves as the energy policy blueprint for the region through 2050. The Regional Energy Strategy provides long-term goals in eleven topic areas: energy efficiency, renewable energy, distributed generation, transportation fuels, land use and transportation planning, border energy issues, and the green economy (SANDAG 2014).

The City has adopted an energy plan to address long-term energy issues and to protect its residents from unreliable energy supply and volatile prices. The plan, called the Chula Vista Energy Strategy and Action Plan, addresses demand side management, energy efficient and renewable energy outreach programs for businesses and

residents, energy acquisition, power generation, and distributed energy resources and legislative actions (City of Chula Vista 2001).

4.2.3.5 City of Chula Vista Solar Ready Ordinances

CVMC, Section 15.28.015, solar water heater pre-plumbing, and Section 15.24.065, photovoltaic pre-wiring requirements, are referred to as the Solar Ready ordinances. Section 15.28.015 requires all new residential units to include plumbing specifically designed to allow the later installation of a system which utilizes solar energy as the primary means of heating domestic potable water. Section 15.24.065 requires all new residential units to include electrical conduit specifically designed to allow the later installation of a photovoltaic system which utilizes solar energy as a means to provide electricity.

4.2.3.6 City of Chula Vista General Plan

The City of Chula Vista General Plan recognizes that to ensure adequate and reliable energy service, efficient energy efforts throughout the City and transitioning to non-fossil fuel alternatives will help to extend limited supplies, reduce the need for expensive new regional power generators and transmission lines, and contribute to Chula Vista's economic sustainability and regional competitiveness. The General Plan includes objectives in the Public Facilities and Services Element to ensure adequate energy supplies throughout Chula Vista (Objective PFS 22) and in the Environmental Element to promote conservation through the efficient use of energy and through the development of local, non-fossil fuel-based renewable sources of energy (Objective E 7) (City of Chula Vista 2005).

4.3 Significance Criteria and Methodology

4.3.1 Thresholds of Significance

The significance criteria used to evaluate the project impacts to energy are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to energy would occur if the project would:

- A. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.
- B. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.
- C. Result in cumulatively considerable impacts.

Appendix F: Energy Conservation of the CEQA Guidelines provides the following six criteria to evaluate energy impacts:

1. The project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, maintenance and/or removal. If appropriate, the energy intensiveness of materials maybe discussed.
2. The effects of the project on local and regional energy supplies and on requirements for additional capacity.
3. The effects of the project on peak and base period demands for electricity and other forms of energy.

4. The degree to which the project complies with existing energy standards.
5. The effects of the project on energy resources.
6. The project's projected transportation energy use requirements and its overall use of efficient transportation alternatives.

4.3.2 Approach and Methodology

CalEEMod Version 2022.1 (CAPCOA 2022) was used to estimate the potential project-energy consumption during construction and operation. Construction of the project would result in petroleum consumption primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. All details specific to construction and operation are discussed in Section 2., Air Quality, specifically in Approach and Methodology (Construction Emissions and Operational Emissions), are also applicable for the estimation of construction-related and operations-related energy consumption.

4.4 Impact Analysis

4.4.1 Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation?

This section addresses the Project's energy requirements during construction and operation pursuant to Appendix F, criteria 1.

Construction Emissions

Electricity Usage

Temporary electric power for as-necessary lighting and electronic equipment, such as computers inside temporary construction trailers, would be provided by SCE. The electricity used for such activities would be temporary, would be substantially less than that required for Project operation, and would therefore have a negligible contribution to the Project's overall energy consumption.

Natural Gas Usage

Natural gas is not anticipated to be required during construction of the Project. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed under the subsection "Petroleum Usage," below. Any minor amounts of natural gas that may be consumed as a result of Project construction would be temporary and negligible, and would not have an adverse effect; therefore, impacts would be **less than significant**.

Petroleum Usage

Petroleum would be consumed throughout construction of the Project. Fuel consumed by construction equipment would be the primary energy resource expended over the course of construction, and VMT associated with the transportation of construction materials and construction worker commutes would also result in petroleum consumption. Heavy-duty construction equipment associated with construction activities and haul trucks involved in relocating dirt around the Project site are assumed to use diesel fuel. Construction workers would travel to and from the Project site throughout the duration of construction. It is assumed that construction workers would travel to and from the Project site in gasoline-powered vehicles.

Heavy-duty construction equipment of various types would be used during Project construction. CalEEMod was used to estimate construction equipment usage; results are included in Appendix A. Fuel consumption from construction equipment was estimated by converting the total CO₂ emissions from each construction phase to gallons using conversion factors for CO₂ to gallons of gasoline or diesel. The conversion factor for gasoline is 8.78 kilograms per metric ton of CO₂ per gallon, and the conversion factor for diesel is 10.21 kilograms per metric ton of CO₂ per gallon (The Climate Registry 2023). The estimated diesel fuel usage from construction equipment, and vendor trucks, as well as estimated gasoline fuel usage from worker vehicles is shown in Table 4-1.

Table 4-1. Construction Petroleum Demand

Project	Off-road Equipment (diesel)	Vendor Trucks (diesel)	Haul Trucks (Diesel)	Onsite Trucks (Diesel)	Worker Vehicles (gasoline)
	Gallons				
2024	22,294	3,791	20,524	51	4,527
2025	27,807	22,615	0	0	24,066
2026	17,068	11,754	0	0	13,248
2028	12,077	14,532	0	0	15,916
2029	11,030	14,975	0	0	16,571
Total	90,275	67,668	20,524	51	74,327

Source: Appendix A and Appendix C

In summary, construction of the project is conservatively anticipated to consume 74,327 gallons of gasoline and 178,518 gallons of diesel. Project construction would represent a “single-event” petroleum demand and would not require on-going or permanent commitment of petroleum resources for this purpose. Therefore, impacts would be less than significant.

Operational Emissions

Electricity Usage

The operational phase would require electricity for multiple purposes, including building heating and cooling, lighting, and electronics. CalEEMod was used to estimate project emissions from electricity uses (see Appendix A).

Default electricity generation rates in CalEEMod were used based on the proposed land use and climate zone. Table 4-2 shows the estimated annual Operational Electricity Demand by land use.

Table 4-2. Project Annual Operational Electricity Demand Summary

Electricity Demand	kWh/year
Industrial Business Park with Commercial – Planning Area B-1	9,462,500.99
Parking Lot – Planning Area B-1	272,452.12
Hotel – Planning Area B-2	2,985,252.49
Restaurant – Planning Area B-2	1,282,419.84
Industrial Business Park with Commercial – Planning Area A	3,986,330.21
Total Project Electricity Demand	17,988,955.64

Source: Appendix A.

Note: kWh = kilowatt hour, CalEEMod Land Use shown in ()

As shown in Table 4-2, the project is anticipated to consume approximately 17,988,956 kilowatt hours of electricity per year. The most recent energy data from the California Energy Commission shows that in 2022 the County of San Diego consumed 20,242 gigawatt hours (GWh) (CEC 2023b). The project would represent a 0.9% increase in the total demand for electricity. The Project would not represent a significant demand on electricity supplies that would require additional capacity. The Project’s electricity demand would also not result in peak and base period demands that would affect energy supplies or require additional capacity.

The project proposes industrial and commercial uses reflecting contemporary energy efficient/energy conserving designs and operational programs. Uses proposed by the Project are not inherently energy intensive, and the project electricity demands in total would be comparable to other projects of similar scale and configuration. Additionally, the project would be required to comply with the applicable Title 24 standards and PDF-GHG-2, which requires building efficiencies and the provision of solar photovoltaics, and would further ensure that the project energy demands would not be inefficient, wasteful, or otherwise unnecessary and impacts would be **less than significant**.

Natural Gas Usage

Natural gas consumption during operation would be required for various purposes, including, but not limited to, building heating and cooling. Default natural gas generation rates in CalEEMod for the proposed land use and climate zone were used. The project is estimated to have a total natural gas demand of 36,688,148.32 kBtu per year. The most recent energy data from the California Energy Commission shows that in 2022 the County of San Diego consumed 522.3 million therms (CEC 2023d). The project would represent a 0.007% increase in the total demand for natural gas.

The project proposes conventional industrial and commercial uses reflecting contemporary energy efficient/energy conserving designs and operational programs. Uses proposed by the project are not inherently energy intensive, and the project natural gas demands in total would be comparable to other projects of similar scale and configuration. Additionally, the Project is subject to statewide mandatory energy requirements as outlined in Title 24, Part 6, of the California Code of Regulations. Prior to project approval, the applicant would ensure that the project would meet Title 24 requirements applicable at that time, as required by state regulations through their plan review process. Thus, the natural gas consumption of the project would not be considered inefficient or wasteful, and impacts would be **less than significant**.

Petroleum Usage

During operations, most of the fuel consumption resulting from the project would involve the use of motor vehicles traveling to and from the project site, as well as fuels used for alternative modes of transportation that may be used by employees, customers and visitors of the project.

Petroleum fuel consumption associated with motor vehicles traveling to and from the project site is a function of the VMT as a result of project operation. Similar to construction, fuel consumption from transportation was estimated by converting the total CO₂ emissions from each construction phase to gallons using conversion factors for CO₂ to gallons of gasoline or diesel. The conversion factor for gasoline is 8.78 kilograms per metric ton of CO₂ per gallon, and the conversion factor for diesel is 10.21 kilograms per metric ton of CO₂ per gallon (The Climate Registry 2023). Fuel demand estimates for the project are provided in Table 4-3.

Table 4-3. Total Project-generated Transportation Annual Fuel Demand

Vehicle Type	Vehicle MT CO ₂	Kg/CO ₂ /Gallon	Estimated Annual Fuel Consumption (gallons)
Gasoline	9596.14	8.78	929,232
Diesel	8108.76	10.21	822,363
Total			1,751,595

Source: Appendix A.

Notes: Fuel use includes compliance with MM-AQ-4, which requires the use of electric-fueled cargo handling equipment.

As summarized in Table 4-3, the project would result in an estimated annual fuel demand of 1,751,595 gallons of fuel. San Diego County was estimated to consume 248,717,737 gallons of diesel fuel in 2023 from Light Heavy Duty Trucks, Medium Heavy Duty Trucks, and Heavy Heavy Duty Trucks (CARB 2024). The Project would a 0.33% increase in diesel. San Diego County was estimated to consume 1.3 billion gallons of gasoline in 2023 from light-duty passenger vehicles (CARB 2024). The project would represent a 0.07% increase in gasoline. The Project’s transportation fuel demand would not create a great demand that additional capacity would be required.

Fuel would be provided by current and future commercial vendors. Trip generation and VMT generated by the project are consistent with other industrial/commercial uses of similar scale and configuration. That is, the project does not propose uses or operations that would inherently result in excessive and wasteful vehicle trips and VMT, nor associated excess and wasteful vehicle energy consumption.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands. In addition, the project is located within walking distance to the H Street Transit Station and is in a transit priority area and VMT-efficient area. In compliance with CALGreen, the project would promote the use of bicycles as an alternative mean of transportation by providing short-term and/or long-term bicycle parking accommodations. Facilitating pedestrian and bicycle access for employees would reduce VMT and associated energy consumption. As supported by the preceding discussions, Project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary and impacts would be less than significant.

Summary

As supported by the preceding analyses, Project construction and operations would not result in the inefficient, wasteful or unnecessary consumption of energy. The Project would therefore not cause or result in the need for additional energy producing or transmission facilities. The Project would not engage in wasteful or inefficient uses of energy and aims to achieve energy conservations goals within the State of California.

Level of Significance Before Mitigation

Impacts would be **less than significant**.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be **less than significant**.

4.4.2 Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

The project would be subject to and would comply with, at a minimum, the California Building Energy Efficiency Standards (24 CCR Part 6). Part 6 of Title 24 establishes energy efficiency standards for nonresidential buildings constructed in California in order to reduce energy demand and consumption. As such, the project would comply with the California code requirements for energy efficiency.

Part 11 of Title 24 sets forth voluntary and mandatory energy measures that are applicable to the project under CALGreen. CALGreen institutes mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential, high-rise residential, state-owned buildings, schools, and hospitals, as well as certain residential and nonresidential additions and alterations. Additionally, energy consumed by the project's operation is calculated to be comparable to energy consumed by other industrial uses of similar scale and intensity that are constructed and operating in California. On this basis, the project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. This impact would be less than significant.

Level of Significance Before Mitigation

Impacts would be **less than significant**.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be **less than significant**.

4.4.3 Would the Project result in a cumulatively considerable energy impact?

Cumulative projects that could exacerbate the project's impacts include any projects that could result in wasteful, inefficient, or unnecessary use of energy. However, the project would not result in wasteful, inefficient, or unnecessary use of energy during construction or operation. Construction will result in short-term and temporary energy demands. Operation of the Project would not result in a wasteful, inefficient, or unnecessary use of energy or conflict with an applicable plan. Therefore, the project would have a less-than-significant impact with regards to cumulative energy impacts.

Level of Significance Before Mitigation

Impacts would be **less than significant**.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be **less than significant**.

5 References

- California Air Pollution Control Officers Association (CAPCOA). 2022. *California Emissions Estimator Model (CalEEMod) User's Guide, Version 2022.1*. Prepared by ICF, in collaboration with Sacramento Metropolitan Air Quality Management District, Fehr & Peers, STI, and Ramboll. April. Available: https://caleemod.com/documents/user-guide/CalEEMod_User_Guide_v2022.1.pdf
- CARB (California Air Resources Board). 2000. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*. October 2000. Available: <http://www.arb.ca.gov/diesel/documents/rrpfinal.pdf>.
- CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005.
- CARB. 2008. *Climate Change Scoping Plan*. December 2008. <https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2008-scoping-plan-documents>.
- CARB. 2014. *First Update to the Climate Change Scoping Plan Building on the Framework Pursuant to AB 32 – The California Global Warming Solutions Act of 2006*. May 2014. Accessed August 2014. http://www.arb.ca.gov/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf.
- CARB. 2016. “Ambient Air Quality Standards.” May 4, 2016. Available: <https://ww2.arb.ca.gov/sites/default/files/2020-07/aaqs2.pdf>.
- CARB. 2017. *The 2017 Climate Change Scoping Plan Update*. January 20. https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf.
- CARB. 2022a. *Current California GHG Emission Inventory Data 2000-2019 GHG Inventory (2022 Edition)*. October 26, 2022. Accessed December 2022. https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000-2020_ghg_inventory_trends.pdf.
- CARB. 2022b. *2022 Scoping Plan Update*. November 16, 2022. Accessed December 2022. <https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents>
- CARB. 2023a. “Ozone & Health.” Available: <https://ww2.arb.ca.gov/resources/ozone-and-health>.
- CARB. 2023b. “Nitrogen Dioxide & Health.” Available: <https://ww2.arb.ca.gov/resources/nitrogen-dioxide-and-health>.
- CARB. 2023c. “Carbon Monoxide & Health.” Available: <https://ww2.arb.ca.gov/resources/carbon-monoxide-and-health>.
- CARB. 2023d. “Sulfur Dioxide & Health.” Available: <https://ww2.arb.ca.gov/resources/sulfur-dioxide-and-health>.
- CARB. 2023e. *Inhalable Particulate Matter and Health (PM_{2.5} and PM₁₀)*. Available: <https://www.arb.ca.gov/research/aaqs/common-pollutants/pm/pm.htm>.

CARB. 2023f. "Overview: Diesel Exhaust and Health." Available: <https://www.arb.ca.gov/research/diesel/diesel-health.htm>.

CARB. 2023i. Common Air Pollutants. Available: <https://ww2.arb.ca.gov/resources/common-air-pollutants>

CARB. 2023g. "iADAM: Air Quality Data Statistics." Available: <http://arb.ca.gov/adam>. Accessed March 2023.

CARB. 2023h. "Area Designation Maps/State and National." Available: <http://www.arb.ca.gov/desig/adm/adm.htm>.

CARB. 2023i. Glossary of Air Pollutant Terms. Available: <https://ww2.arb.ca.gov/glossary>

CARB. 2023j. *California Greenhouse Gas Emissions from 2000 to 2021: Trends of Emissions and Other Indicators*. December 14, 2023. Accessed January 2024, at https://ww2.arb.ca.gov/sites/default/files/2023-12/2000_2021_ghg_inventory_trends.pdf.

CARB. 2024. EMFAC 2021. <https://arb.ca.gov/emfac/emissions-inventory/25b582859974768dbc45b3d99552ec1252d65171>

CEC (California Energy Commission). 2023a. *California Energy Demand Update, 2022-2035 – CEDU 2022 Baseline Forecast – SCE*. January 2023. Available: <https://efiling.energy.ca.gov/GetDocument.aspx?tn=248378>

CEC. 2023b. "Electricity Consumption by County". Available: <http://ecdms.energy.ca.gov/elecbycounty.aspx>.

CEC. 2023c. "SDG&E – 2022 Power Content Label". https://www.sdge.com/sites/default/files/documents/16402%20SDGE_PCL_Sept23.01.pdf

CEC. 2023d. "Gas Consumption by County". Available <http://ecdms.energy.ca.gov/gasbycounty.aspx>.

CEC 2023e. CEC. 2023a. 2023 Integrated Energy Policy Report. California Energy Commission. Publication Number: CEC-100-2023-001-CMF. <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2023-integrated-energy-policy-report>.

City of Chula Vista.2001. Energy Strategy and Action Plan. May. Available: <https://www.chulavistaca.gov/home/showpublisheddocument/5439/635603839481230000>.

City of Chula Vista. General Plan.2005. Available: <https://www.chulavistaca.gov/departments/development-services/planning/planning-digital-library/general-plan>.

City of Chula Vista. 2011.Climate Adaptation Plans. May. Available: <https://www.chulavistaca.gov/home/showpublisheddocument/5443/635591545349170000>

City of Chula Vista. 2017. Climate Action Plan. September. Available: <https://www.chulavistaca.gov/departments/clean/conservation/climate-action-plan>.

City of Chula Vista. 2020. "Housing Element Update 2021–2029 Presentation." Accessed March 2023. <https://www.chulavistaca.gov/home/showdocument?id=21346>.

- City of Chula Vista. 2012a. *Guidelines to the Balanced Communities Policy*. Adopted September 25, 2012; revised December 15, 2015. <https://www.chulavistaca.gov/home/showdocument?id=4786>.
- City of Chula Vista. 2012b. *Chula Vista Bayfront Local Coastal Program Land Use Plan*. Adopted September 25, 2012. Amended December 5, 2017. <https://www.chulavistaca.gov/home/showdocument?id=8421>.
- City of Chula Vista. 2021c. *City of Chula Vista Housing Element of the General Plan*. Adopted July 13, 2021; amended September 13, 2022. <https://www.chulavistaca.gov/home/showdocument?id=5503>.
- City of Chula Vista. 2022. 2020 Community Greenhouse Gas Emissions Inventory. <https://www.chulavistaca.gov/home/showpublisheddocument/26651/638264070368670000>.
- County of San Diego. 2011. *San Diego County General Plan Update: Final Environmental Impact Report*. EIR No. 02-ZA-001. SCH No. 2002111067. August 2011. Available: <https://www.sandiegocounty.gov/content/sdc/pds/gpupdate/environmental.html>.
- County of San Diego. 2021. *County of San Diego Communicable Disease Registry - Coccidioidomycosis Case Counts and Rates by Zip Code San Diego County Residents 2012-2020*. Available: https://www.sandiegocounty.gov/content/dam/sdc/pds/ceqa/JVR/AdminRecord/IBR/COUNTY%20OF%20SAN%20DIEGO%202021%20Coccidioidomycosis_ZipCode_SanDiegoCounty_2010_2019.pdf
- CPUC (California Public Utilities Commission). 2021. "Natural Gas and California." Available: http://www.cpuc.ca.gov/natural_gas/
- CPUC. 2022. "CPUC Sets Biomethane Targets for Utilities." February 2022. Available: <https://www.cpuc.ca.gov/news-and-updates/all-news/cpuc-sets-biomethane-targets-for-utilities>
- EIA (U.S. Energy Information Administration). 2021. "Today in Energy – EIA's AEO2021 Explores the Impact of COVID-19 on the U.S. Energy Mix Through 2050". February 3, 2021. Available: <https://www.eia.gov/todayinenergy/detail.php?id=46636>
- EIA. 2022. "State Electricity Profiles – California Electricity Profile 2021." November 2022. Available: <https://www.eia.gov/electricity/state/california/index.php>.
- EIA. 2023a. "California State Energy Profile." Last updated April 20, 2023. Available: <https://www.eia.gov/state/print.php?sid=CA>
- EIA. 2023b. "Natural Gas Consumption by End Use." January 2023. Available: https://www.eia.gov/dnav/ng/ng_cons_sum_a_EPGO_VCO_mmcf_a.htm
- EIA. 2023c. "Total Petroleum Consumption Estimates, 2020." 2021. Available: https://www.eia.gov/state/seds/data.php?incfile=/state/seds/sep_fuel/html/fuel_use_pa.html&sid=US&sid=CA
- EPA. 2013. *Integrated Science Assessment (ISA) of Ozone and Related Photochemical Oxidants (Final Report, Feb 2013)*. EPA/600/R-10/076F. February 2013. Accessed May 2019. Available: <https://cfpub.epa.gov/ncea/isa/recordisplay.cfm?deid=247492>.

EPA. 2016. Glossary of Climate Change Terms. Available:

<https://19january2017snapshot.epa.gov/climatechange/glossary-climate-change-terms .html>.

EPA. 2022a. “Criteria Air Pollutants.” August 9, 2022. Accessed March 2023. Available: <https://www.epa.gov/criteria-air-pollutants>.

EPA. 2022b. AERMOD Users’ Guide. Available:

https://gaftp.epa.gov/Air/aqmg/SCRAM/models/preferred/aermod/aermod_userguide.pdf.

EPA. 2022c. *Basics of Climate Change*. February 23. Available: <https://www.epa.gov/climatechange-science/basics-climate-change>.

EPA. 2023a. *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2021*. U.S. Environmental Protection Agency, EPA 430-R-23-002. <https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2021>.

EPA (U.S. Environmental Protection Agency). 2023b. “Overview for Renewable Fuel Standard.” Last updated February 20, 2023. Available: <https://www.epa.gov/renewable-fuel-standard-program/overview-renewable-fuel-standard>.

IPCC (Intergovernmental Panel on Climate Change). 2007. *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change* [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 996 pp. Accessed May 2019. http://www.ipcc.ch/pdf/assessment-report/ar4/wg1/ar4_wg1_full_report.pdf.

IPCC. 2014. *Climate Change 2014 Synthesis Report: A Report of the Intergovernmental Panel on Climate Change*. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Accessed May 2019. <http://www.ipcc.ch/report/ar5/syr/>.

IPCC, 2018: *Summary for Policymakers. In: Global Warming of 1.5 °C. An IPCC Special Report on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty* [Masson-Delmotte, V., P. Zhai, H.-O. Pörtner, D. Roberts, J. Skea, P.R. Shukla, A. Pirani, W. Moufouma-Okia, C. Péan, R. Pidcock, S. Connors, J.B.R. Matthews, Y. Chen, X. Zhou, M.I. Gomis, E. Lonnoy, T. Maycock, M. Tignor, and T. Waterfield (eds.)]. In Press. Available: https://www.ipcc.ch/site/assets/uploads/sites/2/2019/05/SR15_SPM_version_report_LR.pdf.

Mizuta Traffic Consulting. 2023. Rohr Wohl Specific Plan Local Mobility Analysis. July.

NRC (National Research Council). 2005. *Interim Report of the Committee on Changes in New Source Review Programs for Stationary Sources of Air Pollutants*. Washington, DC: The National Academies Press. Available: <https://doi.org/10.17226/11208>.

- OEHHA (Office of Environmental Health Hazard Assessment). 2015. Air Toxics Hot Spots Program. Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments. February 2015. Available: http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf.
- OEHHA (Office of Environmental Health Hazard Assessment). 2018. *Indicators of Climate Change*. August 30. Available: <https://oehha.ca.gov/climate-change/document/indicators-climate-change-california>.
- PBL (PBL Netherlands Environmental Assessment Agency). 2022. *Trends in Global CO₂ and Total Greenhouse Gas Emissions, 2021 Summary Report*. Accessed November 2022. https://www.pbl.nl/sites/default/files/downloads/pbl-2022-trends-in-global-co2-and_total-greenhouse-gas-emissions-2021-summary-report_4758.pdf
- SANDAG (San Diego Association of Governments). 2015. *San Diego Forward: The Regional Plan*. October 2015. Available: http://www.sdforward.com/pdfs/RP_final/The%20Plan%20-%20combined.pdf.
- SANDAG. 2018. *Series 14 Regional Growth Forecast Documentation and Baseline Subregional Allocation*. May 25, 2018. <https://www.sandag.org/data-and-research/socioeconomics/-/media/285C8F0581204B40A918F53642B8473D.ashx>
- SANDAG. 2021a. *2021 Regional Plan*. December 2021. <https://www.sandag.org/regional-plan/2021-regional-plan/-/media/8D0F181A086844E3A84C3D44576BED6B.ashx>.
- SANDAG. 2021b. *Appendix F: Regional Growth Forecast and Sustainable Communities Strategy Land Use Pattern*. December 2021. <https://www.sandag.org/-/media/SANDAG/Documents/PDF/regional-plan/2021-regional-plan/final-2021-regional-plan/2021-regional-plan-appendix-f-2021-12-01.pdf>
- SANDAG 2021c. *Appendix K: Regional Housing Needs Assessment Plan*. December 2021. <https://www.sandag.org/-/media/SANDAG/Documents/PDF/regional-plan/2021-regional-plan/final-2021-regional-plan/2021-regional-plan-appendix-k-2021-05-01.pdf>.
- SDAPCD (San Diego Air Pollution Control District). 1976. Rules and Regulations. Regulation IV. Prohibitions. Rule 51. Nuisance. Effective November 8, 1976. Available: https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R50-1-51.pdf.
- SDAPCD. 1979. Rules and Regulations. Regulation IV. Prohibitions. Rule 67.7. Cutback and Emulsified Asphalts. Effective August 29, 1979. Available: https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R67-7.pdf.
- SDAPCD. 1996. Regulation II: Permits; Rule 10: Permits Required. Effective May 15, 1996. Available: <https://www.sdapcd.org/content/dam/sdapcd/documents/rules/current-rules/Rule-10.pdf>
- SDAPCD. 1997. SDAPCD Regulation IV: Prohibitions; Rule 50: Visible Emissions. Effective August 13, 1997. Available: http://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R50.pdf.

- SDAPCD. 2005. *Measures to Reduce Particulate Matter in San Diego County*. December 2005. Available: <https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/PM-Measures.pdf>.
- SDAPCD. 2009. SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust. June 24, 2009. Available: http://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R55.pdf.
- SDAPCD. 2015a. SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings. June 24, 2015. Available: <https://www.arb.ca.gov/DRDB/SD/CURHTML/R67.0.1.pdf>.
- SDAPCD. 2015b. Air Toxics “Hot Spots” Program Report for San Diego County.
- SDAPCD. 2016. *2008 Eight-Hour Ozone Attainment Plan for San Diego County*. Updated December 2016. Available: <https://www.sdapcd.org/content/dam/sdapcd/documents/grants/planning/8-Hr-O3%20Attain%20Plan-08%20Std.pdf>
- SDAPCD. 2020. Annual Air Quality Monitoring Network Report 2020. Available: <https://www.sdapcd.org/content/dam/sdapcd/documents/monitoring/2020-Network-Report.pdf>.
- SDAPCD. 2021. Annual Air Quality Monitoring Network Report 2021. Available: <https://www.sdapcd.org/content/dam/sdapcd/documents/monitoring/2021-Network-Report.pdf>.
- SDAPCD. 2022a. *Supplemental Guidelines for Submission of Air Toxics “Hot Spots” Program Health Risk Assessments (HRAs)*. April. Available: <https://www.sdapcd.org/content/dam/sdapcd/documents/permits/air-toxics/Hot-Spots-Guidelines.pdf>.
- SDAPCD. 2022b. Annual Air Quality Monitoring Network Report 2022. Available: <https://www.sdapcd.org/content/dam/sdapcd/documents/monitoring/2022-Network-Report.pdf>.
- SDAPCD. 2022c. *Attainment Status*. Available: <https://www.sdapcd.org/content/sdapcd/planning/attainment-status.html>.
- SDAPCD. 2023. 2022 Regional Air Quality Strategy (RAQS). Available: <https://www.sdapcd.org/content/dam/sdapcd/documents/grants/planning/Att.%20A%20-%202022%20RAQS.pdf>. Accessed March 2023.
- SDG&E (San Diego Gas & Electric). 2021. “SDG&E Builder Services.” 2021. Available: <https://www.sdge.com/sites/default/files/documents/SDGE%20Builder%20Services%20Guidebook%20March2021.pdf>
- SJVAPCD (San Joaquin Valley Air Pollution Control District). 2022. Guidance for Air Dispersion Modeling. Available: http://www.valleyair.org/busind/pto/tox_resources/Modeling_Guidance.pdf.
- South Coast Air Quality Management District (SCAQMD). 2008. Final Localized Significance Threshold Methodology. Revised July 2008. Available: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-1st-methodology-document.pdf?sfvrsn=2.docs/>

default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-1st-look-up-tables.pdf?sfvrsn=2.

SCAQMD. 2023. South Coast AQMD Air Quality Significance Thresholds. Available: <https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25>.

SCAQMD. 2014. Warehouse Truck Trip Study Data Results and Usage, July. <https://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/high-cube-warehouse>

SCAQMD. 2023. South Coast AQMD Air Quality Significance Thresholds. Available: <https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25>.

The Climate Registry. 2023. "2023 Default Emission Factors." June 2023. Available: <https://theclimateregistry.org/wp-content/uploads/2023/06/2023-Default-Emission-Factors-Final-1.pdf>

WRCC (Western Regional Climate Center). 2016. "Chula Vista Climate Summary." Available: <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca1758>.

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Appendix A

Air Quality Emissions CalEEMod Output Files

- Regional Emissions Output
- HRA CalEEMod Output

Rohr-Wohl Specific Plan - Mitigated - PM/VOC Detailed Report

Mitigated emissions reflect low VOC paint mitigation measure and PDF-AQ

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Rohr-Wohl Specific Plan - Mitigated - PM/VOC
Construction Start Date	8/19/2024
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	21.0
Location	32.62937792234845, -117.10085538611123
County	San Diego
City	Chula Vista
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6615
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Industrial Park	470	1000sqft	10.8	470,000	140,000	0.00	—	PA B-1
Parking Lot	793	Space	7.14	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	15.6	Acre	15.6	0.00	0.00	0.00	—	—
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Industrial Park	198	1000sqft	4.55	198,000	60,000	0.00	—	—
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Hotel	175	Room	5.85	254,100	30,000	0.00	—	—
Quality Restaurant	36.0	1000sqft	0.83	36,000	20,000	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.07	87.4	48.3	36.2	0.13	1.63	20.2	21.8	1.52	10.2	11.7	—	17,122	17,122	0.84	1.71	23.0	17,677

Mit.	1.71	21.7	18.5	41.3	0.13	0.31	8.20	8.30	0.31	4.02	4.12	—	17,122	17,122	0.84	1.71	23.0	17,677
% Reduced	66%	75%	62%	-14%	—	81%	59%	62%	80%	61%	65%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.06	85.2	48.8	36.1	0.13	1.63	12.4	14.1	1.52	4.46	5.98	—	17,115	17,115	0.84	1.71	0.60	17,648
Mit.	1.69	21.2	18.9	41.3	0.13	0.31	6.77	7.08	0.31	2.22	2.53	—	17,115	17,115	0.84	1.71	0.60	17,648
% Reduced	67%	75%	61%	-14%	—	81%	46%	50%	80%	50%	58%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.68	9.10	9.85	16.0	0.03	0.35	2.88	3.23	0.32	1.17	1.49	—	4,386	4,386	0.20	0.26	3.74	4,472
Mit.	0.97	2.63	4.41	17.3	0.03	0.07	1.53	1.61	0.07	0.55	0.61	—	4,386	4,386	0.20	0.26	3.74	4,472
% Reduced	42%	71%	55%	-8%	—	79%	47%	50%	78%	53%	59%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.31	1.66	1.80	2.92	< 0.005	0.06	0.53	0.59	0.06	0.21	0.27	—	726	726	0.03	0.04	0.62	740
Mit.	0.18	0.48	0.80	3.15	< 0.005	0.01	0.28	0.29	0.01	0.10	0.11	—	726	726	0.03	0.04	0.62	740
% Reduced	42%	71%	55%	-8%	—	79%	47%	50%	78%	53%	59%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.07	3.82	48.3	36.2	0.13	1.63	20.2	21.8	1.52	10.2	11.7	—	17,122	17,122	0.84	1.71	23.0	17,677
2025	2.38	2.00	13.6	23.4	0.04	0.46	2.17	2.63	0.42	0.53	0.95	—	6,228	6,228	0.27	0.36	12.1	6,355
2026	2.27	85.2	12.9	22.7	0.04	0.40	2.17	2.58	0.37	0.53	0.91	—	6,154	6,154	0.26	0.36	11.1	6,279
2028	2.55	2.11	14.1	26.3	0.05	0.57	7.63	8.20	0.52	3.50	4.03	—	8,534	8,534	0.28	0.62	15.0	8,741
2029	2.44	87.4	13.3	25.6	0.05	0.33	3.43	3.76	0.28	0.84	1.12	—	8,388	8,388	0.27	0.60	13.4	8,586
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.06	3.81	48.8	36.1	0.13	1.63	12.4	14.1	1.52	4.46	5.98	—	17,115	17,115	0.84	1.71	0.60	17,648
2025	2.37	1.99	13.8	22.3	0.04	0.46	2.17	2.63	0.42	0.53	0.95	—	6,125	6,125	0.28	0.37	0.31	6,241
2026	2.21	85.2	13.0	21.7	0.04	0.40	2.17	2.58	0.37	0.53	0.91	—	6,053	6,053	0.26	0.37	0.29	6,168
2028	2.53	2.09	14.2	25.0	0.05	0.35	3.43	3.78	0.33	0.84	1.17	—	8,391	8,391	0.28	0.62	0.39	8,584
2029	2.43	2.02	13.6	24.2	0.05	0.33	3.43	3.76	0.28	0.84	1.12	—	8,248	8,248	0.28	0.60	0.35	8,433
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.15	0.91	9.68	8.92	0.02	0.35	2.88	3.23	0.32	1.17	1.49	—	3,118	3,118	0.15	0.26	1.87	3,199
2025	1.68	1.41	9.85	16.0	0.03	0.33	1.53	1.86	0.30	0.37	0.68	—	4,386	4,386	0.20	0.26	3.74	4,472
2026	0.94	9.10	5.66	9.41	0.02	0.18	0.85	1.03	0.17	0.21	0.38	—	2,482	2,482	0.11	0.14	1.88	2,529
2028	0.72	0.60	4.24	7.12	0.01	0.12	1.24	1.36	0.11	0.40	0.50	—	2,236	2,236	0.08	0.15	1.60	2,285

2029	0.99	5.61	5.63	10.1	0.02	0.14	1.32	1.46	0.12	0.33	0.45	—	3,299	3,299	0.11	0.23	2.25	3,373
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.21	0.17	1.77	1.63	< 0.005	0.06	0.53	0.59	0.06	0.21	0.27	—	516	516	0.02	0.04	0.31	530
2025	0.31	0.26	1.80	2.92	< 0.005	0.06	0.28	0.34	0.06	0.07	0.12	—	726	726	0.03	0.04	0.62	740
2026	0.17	1.66	1.03	1.72	< 0.005	0.03	0.15	0.19	0.03	0.04	0.07	—	411	411	0.02	0.02	0.31	419
2028	0.13	0.11	0.77	1.30	< 0.005	0.02	0.23	0.25	0.02	0.07	0.09	—	370	370	0.01	0.03	0.27	378
2029	0.18	1.02	1.03	1.84	< 0.005	0.03	0.24	0.27	0.02	0.06	0.08	—	546	546	0.02	0.04	0.37	558

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.53	0.95	18.5	41.3	0.13	0.31	8.20	8.30	0.31	4.02	4.12	—	17,122	17,122	0.84	1.71	23.0	17,677
2025	1.39	1.21	6.03	25.2	0.04	0.10	2.17	2.28	0.10	0.53	0.63	—	6,228	6,228	0.27	0.36	12.1	6,355
2026	1.33	21.2	5.84	24.5	0.04	0.10	2.17	2.27	0.10	0.53	0.63	—	6,154	6,154	0.26	0.36	11.1	6,279
2028	1.71	1.45	7.85	28.2	0.05	0.12	3.43	3.55	0.12	1.42	1.47	—	8,534	8,534	0.28	0.62	15.0	8,741
2029	1.64	21.7	7.55	27.5	0.05	0.12	3.43	3.55	0.10	0.84	0.94	—	8,388	8,388	0.27	0.60	13.4	8,586
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.51	1.23	18.9	41.3	0.13	0.31	6.77	7.08	0.31	2.22	2.53	—	17,115	17,115	0.84	1.71	0.60	17,648
2025	1.37	1.19	6.20	24.1	0.04	0.10	2.17	2.28	0.10	0.53	0.63	—	6,125	6,125	0.28	0.37	0.31	6,241
2026	1.27	21.2	6.01	23.6	0.04	0.10	2.17	2.27	0.10	0.53	0.63	—	6,053	6,053	0.26	0.37	0.29	6,168
2028	1.69	1.43	8.12	26.8	0.05	0.12	3.43	3.55	0.12	0.84	0.97	—	8,391	8,391	0.28	0.62	0.39	8,584
2029	1.63	1.39	7.82	26.2	0.05	0.12	3.43	3.55	0.10	0.84	0.94	—	8,248	8,248	0.28	0.60	0.35	8,433
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	0.38	0.29	3.21	9.50	0.02	0.06	1.52	1.58	0.06	0.55	0.61	—	3,118	3,118	0.15	0.26	1.87	3,199
2025	0.97	0.85	4.41	17.3	0.03	0.07	1.53	1.61	0.07	0.37	0.44	—	4,386	4,386	0.20	0.26	3.74	4,472
2026	0.52	2.63	2.53	10.2	0.02	0.04	0.85	0.89	0.04	0.21	0.25	—	2,482	2,482	0.11	0.14	1.88	2,529
2028	0.43	0.37	2.10	7.60	0.01	0.03	1.01	1.04	0.03	0.28	0.31	—	2,236	2,236	0.08	0.15	1.60	2,285
2029	0.65	1.73	3.16	10.8	0.02	0.05	1.32	1.37	0.04	0.33	0.36	—	3,299	3,299	0.11	0.23	2.25	3,373
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.07	0.05	0.59	1.73	< 0.005	0.01	0.28	0.29	0.01	0.10	0.11	—	516	516	0.02	0.04	0.31	530
2025	0.18	0.15	0.80	3.15	< 0.005	0.01	0.28	0.29	0.01	0.07	0.08	—	726	726	0.03	0.04	0.62	740
2026	0.10	0.48	0.46	1.85	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	411	411	0.02	0.02	0.31	419
2028	0.08	0.07	0.38	1.39	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	370	370	0.01	0.03	0.27	378
2029	0.12	0.32	0.58	1.98	< 0.005	0.01	0.24	0.25	0.01	0.06	0.07	—	546	546	0.02	0.04	0.37	558

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52.4	68.8	84.0	358	1.23	1.89	90.5	92.4	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	44.6	61.5	87.7	297	1.18	1.82	90.5	92.3	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	42.5	59.8	75.0	284	1.09	1.75	81.1	82.8	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.75	10.9	13.7	51.9	0.20	0.32	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605

Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	52.4	68.8	84.0	358	1.23	1.89	90.5	92.4	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	44.6	61.5	87.7	297	1.18	1.82	90.5	92.3	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	42.5	59.8	75.0	284	1.09	1.75	81.1	82.8	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122
Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,591	3,591	0.49	0.04	—	3,616

Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	7.75	10.9	13.7	51.9	0.20	0.32	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	52.4	68.8	84.0	358	1.23	1.89	90.5	92.4	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	44.6	61.5	87.7	297	1.18	1.82	90.5	92.3	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	42.5	59.8	75.0	284	1.09	1.75	81.1	82.8	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122
Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,591	3,591	0.49	0.04	—	3,616
Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Stationary	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	7.75	10.9	13.7	51.9	0.20	0.32	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.97	1.80	< 0.005	0.09	—	0.09	0.08	—	0.08	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	1.08	1.08	—	0.55	0.55	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.36	0.33	< 0.005	0.02	—	0.02	0.01	—	0.01	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	0.89	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	174	174	0.01	0.01	0.70	177
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.9	50.9	< 0.005	0.01	0.13	53.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.09	9.09	< 0.005	< 0.005	0.02	9.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.79	2.79	< 0.005	< 0.005	< 0.005	2.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.51	1.51	< 0.005	< 0.005	< 0.005	1.53
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.48
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement:	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement:	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48.0	48.0	< 0.005	< 0.005	—	48.2

Dust From Material Movement:	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	0.89	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	174	174	0.01	0.01	0.70	177
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.9	50.9	< 0.005	0.01	0.13	53.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.09	9.09	< 0.005	< 0.005	0.02	9.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.79	2.79	< 0.005	< 0.005	< 0.005	2.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.51	1.51	< 0.005	< 0.005	< 0.005	1.53
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.48
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.30	9.30	—	3.67	3.67	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.30	9.30	—	3.67	3.67	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.23	3.72	0.01	0.18	—	0.18	0.16	—	0.16	—	813	813	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	1.15	1.15	—	0.45	0.45	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.38
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.77	0.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	135	135	0.01	< 0.005	—	135

Dust From Material Movement:	—	—	—	—	—	—	0.21	0.21	—	0.08	0.08	—	—	—	—	—	—	
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.23
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.99	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	194	194	0.01	0.01	0.78	197
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.9	50.9	< 0.005	0.01	0.13	53.2
Hauling	0.79	0.22	13.8	4.92	0.06	0.19	2.60	2.78	0.19	0.71	0.90	—	10,269	10,269	0.56	1.65	22.1	10,795
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	183	183	0.01	0.01	0.02	185
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	51.0	51.0	< 0.005	0.01	< 0.005	53.1
Hauling	0.77	0.21	14.3	4.98	0.06	0.19	2.60	2.78	0.19	0.71	0.90	—	10,273	10,273	0.56	1.65	0.57	10,777
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.04	23.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.28	6.28	< 0.005	< 0.005	0.01	6.56
Hauling	0.10	0.03	1.76	0.61	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,266	1,266	0.07	0.20	1.18	1,330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.76	3.76	< 0.005	< 0.005	0.01	3.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.04	1.04	< 0.005	< 0.005	< 0.005	1.09
Hauling	0.02	< 0.005	0.32	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	210	210	0.01	0.03	0.19	220

3.4. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.63	3.63	—	1.43	1.43	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.63	3.63	—	1.43	1.43	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.55	4.36	0.01	0.02	—	0.02	0.02	—	0.02	—	813	813	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	0.45	0.45	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.38

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	135	135	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.23
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.99	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	194	194	0.01	0.01	0.78	197
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.9	50.9	< 0.005	0.01	0.13	53.2
Hauling	0.79	0.22	13.8	4.92	0.06	0.19	2.60	2.78	0.19	0.71	0.90	—	10,269	10,269	0.56	1.65	22.1	10,795
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	183	183	0.01	0.01	0.02	185
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	51.0	51.0	< 0.005	0.01	< 0.005	53.1
Hauling	0.77	0.21	14.3	4.98	0.06	0.19	2.60	2.78	0.19	0.71	0.90	—	10,273	10,273	0.56	1.65	0.57	10,777
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.04	23.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.28	6.28	< 0.005	< 0.005	0.01	6.56
Hauling	0.10	0.03	1.76	0.61	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,266	1,266	0.07	0.20	1.18	1,330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.76	3.76	< 0.005	< 0.005	0.01	3.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.04	1.04	< 0.005	< 0.005	< 0.005	1.09
Hauling	0.02	< 0.005	0.32	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	210	210	0.01	0.03	0.19	220

3.5. B-2 Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	1.56	13.8	17.3	0.03	0.57	—	0.57	0.52	—	0.52	—	2,961	2,961	0.12	0.02	—	2,971
Dust From Material Movement:	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	9.84	9.84	< 0.005	< 0.005	0.01	10.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.76	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement:	—	—	—	—	—	—	0.39	0.39	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.9	26.9	< 0.005	< 0.005	—	27.0

Dust From Material Movement:	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.62	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	144	144	< 0.005	0.01	0.43	146
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	0.29	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.50	7.50	< 0.005	< 0.005	0.01	7.60
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.71	7.71	< 0.005	< 0.005	0.01	8.05
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.33
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. B-2 Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.29	2.04	17.8	0.03	0.06	—	0.06	0.06	—	0.06	—	2,961	2,961	0.12	0.02	—	2,971
Dust From Material Movement:	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	9.84	9.84	< 0.005	< 0.005	0.01	10.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement:	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.9	26.9	< 0.005	< 0.005	—	27.0
Dust From Material Movement:	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.62	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	144	144	< 0.005	0.01	0.43	146
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	0.29	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.50	7.50	< 0.005	< 0.005	0.01	7.60
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.71	7.71	< 0.005	< 0.005	0.01	8.05
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.33
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.27	1.49	< 0.005	0.06	—	0.06	0.05	—	0.05	—	272	272	0.01	< 0.005	—	273
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.23	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.1	45.1	< 0.005	< 0.005	—	45.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.89	0.82	0.74	8.57	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,809	1,809	0.10	0.07	0.20	1,832
Vendor	0.17	0.08	2.84	1.30	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,988	1,988	0.09	0.28	0.13	2,073
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	0.99	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	207	207	0.01	0.01	0.38	210
Vendor	0.02	0.01	0.32	0.15	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	226	226	0.01	0.03	0.25	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.18	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	34.3	34.3	< 0.005	< 0.005	0.06	34.8
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.3	37.3	< 0.005	0.01	0.04	39.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.83	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	1.68	< 0.005	0.01	—	0.01	0.01	—	0.01	—	272	272	0.01	< 0.005	—	273
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.1	45.1	< 0.005	< 0.005	—	45.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.89	0.82	0.74	8.57	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,809	1,809	0.10	0.07	0.20	1,832
Vendor	0.17	0.08	2.84	1.30	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,988	1,988	0.09	0.28	0.13	2,073
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	0.99	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	207	207	0.01	0.01	0.38	210
Vendor	0.02	0.01	0.32	0.15	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	226	226	0.01	0.03	0.25	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.18	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	34.3	34.3	< 0.005	< 0.005	0.06	34.8
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.3	37.3	< 0.005	0.01	0.04	39.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	7.46	9.31	0.02	0.31	—	0.31	0.28	—	0.28	—	1,713	1,713	0.07	0.01	—	1,719	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.18	0.15	1.36	1.70	< 0.005	0.06	—	0.06	0.05	—	0.05	—	284	284	0.01	< 0.005	—	285	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.87	0.80	0.61	9.17	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,879	1,879	0.09	0.07	7.05	1,907	
Vendor	0.17	0.08	2.60	1.21	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,952	1,952	0.09	0.28	5.07	2,042	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.86	0.79	0.68	8.03	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,774	1,774	0.10	0.07	0.18	1,797	
Vendor	0.16	0.08	2.70	1.24	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,953	1,953	0.09	0.28	0.13	2,038	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.60	0.55	0.48	5.82	0.00	0.00	1.18	1.18	0.00	0.28	0.28	—	1,278	1,278	0.07	0.05	2.17	1,297	
Vendor	0.12	0.06	1.91	0.87	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	1,395	1,395	0.06	0.20	1.57	1,457	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Worker	0.11	0.10	0.09	1.06	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	212	212	0.01	0.01	0.36	215
Vendor	0.02	0.01	0.35	0.16	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	231	231	0.01	0.03	0.26	241
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.24	2.02	10.6	0.02	0.05	—	0.05	0.05	—	0.05	—	1,713	1,713	0.07	0.01	—	1,719
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	1.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	284	284	0.01	< 0.005	—	285

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	0.80	0.61	9.17	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,879	1,879	0.09	0.07	7.05	1,907	
Vendor	0.17	0.08	2.60	1.21	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,952	1,952	0.09	0.28	5.07	2,042	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.86	0.79	0.68	8.03	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,774	1,774	0.10	0.07	0.18	1,797	
Vendor	0.16	0.08	2.70	1.24	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,953	1,953	0.09	0.28	0.13	2,038	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.55	0.48	5.82	0.00	0.00	1.18	1.18	0.00	0.28	0.28	—	1,278	1,278	0.07	0.05	2.17	1,297	
Vendor	0.12	0.06	1.91	0.87	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	1,395	1,395	0.06	0.20	1.57	1,457	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.06	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	212	212	0.01	0.01	0.36	215	
Vendor	0.02	0.01	0.35	0.16	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	231	231	0.01	0.03	0.26	241	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.68	4.85	0.01	0.14	—	0.14	0.13	—	0.13	—	896	896	0.04	0.01	—	899
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.67	0.88	< 0.005	0.03	—	0.03	0.02	—	0.02	—	148	148	0.01	< 0.005	—	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.72	0.55	8.56	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,840	1,840	0.09	0.07	6.44	1,869
Vendor	0.15	0.07	2.47	1.16	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,916	1,916	0.07	0.28	4.67	2,005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.71	0.62	7.55	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,738	1,738	0.09	0.07	0.17	1,761
Vendor	0.15	0.06	2.57	1.18	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,917	1,917	0.07	0.28	0.12	2,001
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.23	2.85	0.00	0.00	0.62	0.62	0.00	0.14	0.14	—	655	655	0.03	0.03	1.04	665
Vendor	0.06	0.02	0.95	0.43	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	716	716	0.03	0.10	0.76	749
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	109	109	0.01	< 0.005	0.17	110
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	< 0.005	0.02	0.13	124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	1.05	5.54	0.01	0.03	—	0.03	0.03	—	0.03	—	896	896	0.04	0.01	—	899
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.01	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	148	148	0.01	< 0.005	—	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.72	0.55	8.56	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,840	1,840	0.09	0.07	6.44	1,869
Vendor	0.15	0.07	2.47	1.16	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,916	1,916	0.07	0.28	4.67	2,005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.71	0.62	7.55	0.00	0.00	1.67	1.67	0.00	0.39	0.39	—	1,738	1,738	0.09	0.07	0.17	1,761
Vendor	0.15	0.06	2.57	1.18	0.01	0.03	0.50	0.53	0.03	0.14	0.16	—	1,917	1,917	0.07	0.28	0.12	2,001
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.23	2.85	0.00	0.00	0.62	0.62	0.00	0.14	0.14	—	655	655	0.03	0.03	1.04	665
Vendor	0.06	0.02	0.95	0.43	< 0.005	0.01	0.18	0.19	0.01	0.05	0.06	—	716	716	0.03	0.10	0.76	749

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	109	109	0.01	< 0.005	0.17	110
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	119	119	< 0.005	0.02	0.13	124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. B-2 Building (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.18	3.16	0.01	0.07	—	0.07	0.07	—	0.07	—	586	586	0.02	< 0.005	—	588
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.04	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	97.1	97.1	< 0.005	< 0.005	—	97.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.09	1.00	0.71	11.3	0.00	0.00	2.47	2.47	0.00	0.58	0.58	—	2,621	2,621	0.05	0.10	7.83	2,658
Vendor	0.27	0.12	4.32	2.06	0.03	0.05	0.96	1.01	0.05	0.27	0.32	—	3,516	3,516	0.13	0.51	7.18	3,677
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.09	0.98	0.82	9.91	0.00	0.00	2.47	2.47	0.00	0.58	0.58	—	2,475	2,475	0.05	0.10	0.20	2,505
Vendor	0.25	0.12	4.49	2.12	0.03	0.05	0.96	1.01	0.05	0.27	0.32	—	3,518	3,518	0.13	0.51	0.19	3,673
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.24	0.20	2.46	0.00	0.00	0.60	0.60	0.00	0.14	0.14	—	611	611	0.01	0.02	0.83	619
Vendor	0.06	0.03	1.09	0.51	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	860	860	0.03	0.12	0.76	899
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.45	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	101	101	< 0.005	< 0.005	0.14	102
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	142	142	0.01	0.02	0.13	149
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. B-2 Building (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.69	3.63	0.01	0.02	—	0.02	0.02	—	0.02	—	586	586	0.02	< 0.005	—	588
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.66	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	97.1	97.1	< 0.005	< 0.005	—	97.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.09	1.00	0.71	11.3	0.00	0.00	2.47	2.47	0.00	0.58	0.58	—	2,621	2,621	0.05	0.10	7.83	2,658
Vendor	0.27	0.12	4.32	2.06	0.03	0.05	0.96	1.01	0.05	0.27	0.32	—	3,516	3,516	0.13	0.51	7.18	3,677
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.09	0.98	0.82	9.91	0.00	0.00	2.47	2.47	0.00	0.58	0.58	—	2,475	2,475	0.05	0.10	0.20	2,505
Vendor	0.25	0.12	4.49	2.12	0.03	0.05	0.96	1.01	0.05	0.27	0.32	—	3,518	3,518	0.13	0.51	0.19	3,673
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.24	0.20	2.46	0.00	0.00	0.60	0.60	0.00	0.14	0.14	—	611	611	0.01	0.02	0.83	619
Vendor	0.06	0.03	1.09	0.51	0.01	0.01	0.23	0.24	0.01	0.06	0.08	—	860	860	0.03	0.12	0.76	899
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.45	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	101	101	< 0.005	< 0.005	0.14	102
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	142	142	0.01	0.02	0.13	149
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. B-2 Building (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Rohr-Wohl Specific Plan - Mitigated - PM/VOC Detailed Report, 10/11/2023

Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.31	4.97	0.01	0.11	—	0.11	0.10	—	0.10	—	924	924	0.04	0.01	—	927
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.60	0.91	< 0.005	0.02	—	0.02	0.02	—	0.02	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	0.97	0.63	10.7	0.00	0.00	2.47	2.47	0.00	0.58	0.58	—	2,576	2,576	0.04	0.10	7.05	2,612
Vendor	0.23	0.12	4.11	2.00	0.03	0.05	0.96	1.01	0.03	0.27	0.29	—	3,415	3,415	0.13	0.48	6.35	3,568
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.95	0.73	9.31	0.00	0.00	2.47	2.47	0.00	0.58	0.58	—	2,433	2,433	0.05	0.10	0.18	2,463
Vendor	0.23	0.11	4.28	2.03	0.03	0.05	0.96	1.01	0.03	0.27	0.29	—	3,418	3,418	0.13	0.48	0.16	3,565
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.36	0.28	3.64	0.00	0.00	0.94	0.94	0.00	0.22	0.22	—	946	946	0.02	0.04	1.17	959
Vendor	0.09	0.04	1.64	0.78	0.01	0.02	0.37	0.39	0.01	0.10	0.11	—	1,317	1,317	0.05	0.19	1.06	1,375

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.66	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	157	157	< 0.005	0.01	0.19	159
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.18	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. B-2 Building (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	1.08	5.71	0.01	0.03	—	0.03	0.03	—	0.03	—	924	924	0.04	0.01	—	927
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.20	1.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	0.97	0.63	10.7	0.00	0.00	2.47	2.47	0.00	0.58	0.58	—	2,576	2,576	0.04	0.10	7.05	2,612
Vendor	0.23	0.12	4.11	2.00	0.03	0.05	0.96	1.01	0.03	0.27	0.29	—	3,415	3,415	0.13	0.48	6.35	3,568
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.95	0.73	9.31	0.00	0.00	2.47	2.47	0.00	0.58	0.58	—	2,433	2,433	0.05	0.10	0.18	2,463
Vendor	0.23	0.11	4.28	2.03	0.03	0.05	0.96	1.01	0.03	0.27	0.29	—	3,418	3,418	0.13	0.48	0.16	3,565
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.36	0.28	3.64	0.00	0.00	0.94	0.94	0.00	0.22	0.22	—	946	946	0.02	0.04	1.17	959
Vendor	0.09	0.04	1.64	0.78	0.01	0.02	0.37	0.39	0.01	0.10	0.11	—	1,317	1,317	0.05	0.19	1.06	1,375
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.66	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	157	157	< 0.005	0.01	0.19	159
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.18	228
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.68	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	145
Paving	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.69	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	149	149	0.01	0.01	0.52	151
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.1	49.1	< 0.005	0.01	0.12	51.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.02	13.8
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.71	4.71	< 0.005	< 0.005	< 0.005	4.92
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.25	2.25	< 0.005	< 0.005	< 0.005	2.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.19	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.01	< 0.005	—	145
Paving	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.69	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	149	149	0.01	0.01	0.52	151
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.1	49.1	< 0.005	0.01	0.12	51.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.02	13.8
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.71	4.71	< 0.005	< 0.005	< 0.005	4.92
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.25	2.25	< 0.005	< 0.005	< 0.005	2.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. B-2 Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.59	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	141	141	< 0.005	0.01	0.39	143
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.08	47.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.37	7.37	< 0.005	< 0.005	0.01	7.47
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	< 0.005	2.61
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.22	1.22	< 0.005	< 0.005	< 0.005	1.24
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. B-2 Paving (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.59	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	141	141	< 0.005	0.01	0.39	143
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.08	47.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.37	7.37	< 0.005	< 0.005	0.01	7.47
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	< 0.005	2.61
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.22	1.22	< 0.005	< 0.005	< 0.005	1.24
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	84.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	84.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	—	8.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13

Architectural Coatings	—	1.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.14	0.11	1.73	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	372	372	0.02	0.01	1.30	377
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.1	49.1	< 0.005	0.01	0.12	51.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.12	1.53	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	351	351	0.02	0.01	0.03	356
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.2	49.2	< 0.005	0.01	< 0.005	51.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	34.0	34.0	< 0.005	< 0.005	0.05	34.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.71	4.71	< 0.005	< 0.005	< 0.005	4.92
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.62	5.62	< 0.005	< 0.005	0.01	5.71
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	21.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	21.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	—	2.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13

Architect Coatings	—	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.14	0.11	1.73	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	372	372	0.02	0.01	1.30	377
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.1	49.1	< 0.005	0.01	0.12	51.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.12	1.53	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	351	351	0.02	0.01	0.03	356
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.2	49.2	< 0.005	0.01	< 0.005	51.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	34.0	34.0	< 0.005	< 0.005	0.05	34.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.71	4.71	< 0.005	< 0.005	< 0.005	4.92
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.62	5.62	< 0.005	< 0.005	0.01	5.71
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. B-2 Arch Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	87.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.07	0.04	0.73	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	176	176	< 0.005	0.01	0.48	179
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.08	47.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.21	9.21	< 0.005	< 0.005	0.01	9.34
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	< 0.005	2.61
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.53	1.53	< 0.005	< 0.005	< 0.005	1.55
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. B-2 Arch Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	21.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.73	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	176	176	< 0.005	0.01	0.48	179
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.08	47.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.21	9.21	< 0.005	< 0.005	0.01	9.34

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	< 0.005	2.61
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.53	1.53	< 0.005	< 0.005	< 0.005	1.55
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500
User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010
Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217

Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714

User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309
Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500
User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010
Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217
Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714
User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309

Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefined	—	—	—	—	—	—	—	—	—	—	—	—	260	260	0.05	0.01	—	263
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,644	1,644	0.32	0.04	—	1,664

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603

undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefined	—	—	—	—	—	—	—	—	—	—	—	—	260	260	0.05	0.01	—	263
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,644	1,644	0.32	0.04	—	1,664

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616

Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599
Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599

Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergen Generator	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	8/5/2024	8/30/2024	5.00	20.0	B-1
Grading	Grading	9/2/2024	11/1/2024	5.00	45.0	B-1

B-2 Grading	Grading	8/1/2028	8/28/2028	5.00	20.0	B-2 Grading
Building Construction	Building Construction	11/4/2024	7/10/2026	5.00	440	B-1
B-2 Building	Building Construction	8/29/2028	7/16/2029	5.00	230	B-2
Paving	Paving	7/13/2026	8/28/2026	5.00	35.0	B-1
B-2 Paving	Paving	7/17/2029	8/13/2029	5.00	20.0	B-2
Architectural Coating	Architectural Coating	8/31/2026	10/16/2026	5.00	35.0	B-1
B-2 Arch Coating	Architectural Coating	8/14/2029	9/10/2029	5.00	20.0	B-2

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
B-2 Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
B-2 Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
B-2 Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
B-2 Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
B-2 Building	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
B-2 Building	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
B-2 Building	Cranes	Diesel	Average	1.00	7.00	367	0.29
B-2 Building	Welders	Diesel	Average	1.00	8.00	46.0	0.45
B-2 Building	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
B-2 Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
B-2 Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
B-2 Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
B-2 Arch Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48

Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
B-2 Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
B-2 Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
B-2 Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
B-2 Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
B-2 Building	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
B-2 Building	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
B-2 Building	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
B-2 Building	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
B-2 Building	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
B-2 Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
B-2 Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
B-2 Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
B-2 Arch Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	7.63	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.25	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	2.00	7.63	HHDT,MHDT
Grading	Hauling	140	20.0	HHDT
Grading	Onsite truck	4.00	0.25	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	198	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	78.0	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	40.0	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

B-2 Grading	—	—	—	—
B-2 Grading	Worker	16.0	12.0	LDA,LDT1,LDT2
B-2 Grading	Vendor	6.00	7.63	HHDT,MHDT
B-2 Grading	Hauling	0.00	20.0	HHDT
B-2 Grading	Onsite truck	4.00	0.25	HHDT
B-2 Building	—	—	—	—
B-2 Building	Worker	292	12.0	LDA,LDT1,LDT2
B-2 Building	Vendor	150	7.63	HHDT,MHDT
B-2 Building	Hauling	0.00	20.0	HHDT
B-2 Building	Onsite truck	0.00	—	HHDT
B-2 Paving	—	—	—	—
B-2 Paving	Worker	16.0	12.0	LDA,LDT1,LDT2
B-2 Paving	Vendor	2.00	7.63	HHDT,MHDT
B-2 Paving	Hauling	0.00	20.0	HHDT
B-2 Paving	Onsite truck	0.00	—	HHDT
B-2 Arch Coating	—	—	—	—
B-2 Arch Coating	Worker	20.0	12.0	LDA,LDT1,LDT2
B-2 Arch Coating	Vendor	2.00	7.63	HHDT,MHDT
B-2 Arch Coating	Hauling	0.00	20.0	HHDT
B-2 Arch Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	7.63	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT

Site Preparation	Onsite truck	4.00	0.25	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	2.00	7.63	HHDT,MHDT
Grading	Hauling	140	20.0	HHDT
Grading	Onsite truck	4.00	0.25	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	198	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	78.0	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	40.0	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
B-2 Grading	—	—	—	—
B-2 Grading	Worker	16.0	12.0	LDA,LDT1,LDT2
B-2 Grading	Vendor	6.00	7.63	HHDT,MHDT
B-2 Grading	Hauling	0.00	20.0	HHDT
B-2 Grading	Onsite truck	4.00	0.25	HHDT
B-2 Building	—	—	—	—

B-2 Building	Worker	292	12.0	LDA,LDT1,LDT2
B-2 Building	Vendor	150	7.63	HHDT,MHDT
B-2 Building	Hauling	0.00	20.0	HHDT
B-2 Building	Onsite truck	0.00	—	HHDT
B-2 Paving	—	—	—	—
B-2 Paving	Worker	16.0	12.0	LDA,LDT1,LDT2
B-2 Paving	Vendor	2.00	7.63	HHDT,MHDT
B-2 Paving	Hauling	0.00	20.0	HHDT
B-2 Paving	Onsite truck	0.00	—	HHDT
B-2 Arch Coating	—	—	—	—
B-2 Arch Coating	Worker	20.0	12.0	LDA,LDT1,LDT2
B-2 Arch Coating	Vendor	2.00	7.63	HHDT,MHDT
B-2 Arch Coating	Hauling	0.00	20.0	HHDT
B-2 Arch Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	905,601	301,867	37,501

B-2 Arch Coating	0.00	0.00	531,549	177,183	22,011
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5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	30.0	0.00	—
Grading	50,000	0.00	135	0.00	—
B-2 Grading	0.00	0.00	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	22.8
B-2 Paving	0.00	0.00	0.00	0.00	22.8

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Parking Lot	7.14	100%
Other Asphalt Surfaces	15.6	100%
User Defined Industrial	0.00	0%
Industrial Park	0.00	0%
User Defined Commercial	0.00	0%
Hotel	0.00	0%
Quality Restaurant	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	540	0.03	< 0.005
2025	0.00	540	0.03	< 0.005
2026	0.00	45.1	0.03	< 0.005
2028	0.00	45.1	0.03	< 0.005
2029	0.00	45.1	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014
Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014
Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,437,150	479,050	59,512

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00
Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00

Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	80.0	8.00	82.0	0.20
Other General Industrial Equipment	Electric	Average	3.00	8.00	200	0.40

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	80.0	8.00	82.0	0.20
Other General Industrial Equipment	Electric	Average	3.00	8.00	200	0.40

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	5.00	1.00	50.0	500	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	8.90	annual days of extreme heat
Extreme Precipitation	1.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	1.40	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A

Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	24.9
AQ-PM	53.2
AQ-DPM	77.6
Drinking Water	33.4
Lead Risk Housing	90.7
Pesticides	0.00
Toxic Releases	61.0
Traffic	72.8
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	96.4
Haz Waste Facilities/Generators	92.7
Impaired Water Bodies	66.7
Solid Waste	37.6
Sensitive Population	—
Asthma	50.4
Cardio-vascular	24.9
Low Birth Weights	27.9
Socioeconomic Factor Indicators	—
Education	88.8
Housing	73.7
Linguistic	86.3
Poverty	79.5

Unemployment	97.1
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7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	35.32657513
Employed	19.64583601
Median HI	25.33042474
Education	—
Bachelor's or higher	14.74400103
High school enrollment	7.86603362
Preschool enrollment	42.55100731
Transportation	—
Auto Access	16.36083665
Active commuting	76.97934043
Social	—
2-parent households	43.85987425
Voting	26.81894007
Neighborhood	—
Alcohol availability	28.25612729
Park access	41.30630053
Retail density	50.50686514
Supermarket access	28.07647889
Tree canopy	4.542538175
Housing	—
Homeownership	22.34056204

Housing habitability	31.73360708
Low-inc homeowner severe housing cost burden	57.55164892
Low-inc renter severe housing cost burden	30.77120493
Uncrowded housing	27.15257282
Health Outcomes	—
Insured adults	32.31104838
Arthritis	32.9
Asthma ER Admissions	42.5
High Blood Pressure	44.4
Cancer (excluding skin)	55.0
Asthma	40.2
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	16.2
Life Expectancy at Birth	27.3
Cognitively Disabled	39.7
Physically Disabled	46.5
Heart Attack ER Admissions	61.8
Mental Health Not Good	30.2
Chronic Kidney Disease	7.4
Obesity	29.3
Pedestrian Injuries	84.2
Physical Health Not Good	27.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	47.1
Current Smoker	40.0

No Leisure Time for Physical Activity	23.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	79.5
Children	25.4
Elderly	66.3
English Speaking	8.0
Foreign-born	70.7
Outdoor Workers	15.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	10.7
Traffic Density	76.1
Traffic Access	73.1
Other Indices	—
Hardship	79.4
Other Decision Support	—
2016 Voting	47.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	22.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Total project site = 44.78 acres. Planning Area B-1 is 26.13 acres. Planning Area B-2 is 9.36 acres. Total acreage graded per applicant is 36.6 acres. Equipment adjusted to reflect 36.6 acres graded. Other asphalt = additional onsite circulation, parking, etc. User Defined Industrial = trucks for PA B-1. User Defined Commercial = trucks for PA A.
Construction: Construction Phases	No demolition. No construction for Planning Area A.
Construction: Trips and VMT	Even number of trips. Added vendor trips to non-building construction phases. Included onsite water truck for site prep and grading.
Construction: Off-Road Equipment	Based on default equipment mix for acreage for each Planning Area.
Operations: Vehicle Data	Based on Mizuta Traffic Consulting Local Mobility Analysis and weighted truck trip length from EMFAC regional data
Operations: Fleet Mix	Fleet Mix adjusted to reflect passenger cars and trucks being separated for Industrial Business Park with commercial uses.
Operations: Energy Use	Electricity energy use increased to reflect potential refrigeration. Natural gas usage kept at defaults because refrigeration used less natural gas.
Operations: Refrigerants	Refrigeration adjusted for Industrial Business Park Use to match Unrefrigerated Warehouse use to provide flexibility of uses.
Operations: Off-Road Equipment	Added potential offroad equipment for material handling per SCAQMD 2014 survey. 80 forklifts and 3 yard trucks. Mitigation requires all-electric cargo handling equipment.
Operations: Emergency Generators and Fire Pumps	1 per building
Operations: Generators + Pumps EF	Tier 4

Rohr-Wohl Specific Plan - Regional - Unmitigated Operational Detailed Report

Reflects unmitigated operational emissions with diesel forklifts and yard trucks and emergency generators emission factors based on statewide average

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4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Rohr-Wohl Specific Plan - Regional - Unmitigated Operational
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	21.0
Location	32.62937792234845, -117.10085538611123
County	San Diego
City	Chula Vista
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6615
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	470	1000sqft	10.8	470,000	140,000	0.00	—	PA B-1

Parking Lot	793	Space	7.14	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	15.6	Acre	15.6	0.00	0.00	0.00	—	—
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Industrial Park	198	1000sqft	4.55	198,000	60,000	0.00	—	—
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Hotel	175	Room	5.85	254,100	30,000	0.00	—	—
Quality Restaurant	36.0	1000sqft	0.83	36,000	20,000	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	55.9	71.8	110	404	1.30	3.31	90.5	93.8	2.63	23.1	25.7	841	150,687	151,528	92.4	9.02	13,434	169,958

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48.2	64.5	113	344	1.26	3.24	90.5	93.7	2.57	23.1	25.6	841	146,517	147,358	92.6	9.21	13,197	165,614
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	46.0	62.8	101	331	1.17	2.70	81.1	83.8	2.50	20.7	23.2	841	136,974	137,815	92.2	8.90	13,287	156,059
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.40	11.5	18.4	60.3	0.21	0.49	14.8	15.3	0.46	3.78	4.23	139	22,678	22,817	15.3	1.47	2,200	25,837
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated Used for Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172

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Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	55.9	71.8	110	404	1.30	3.31	90.5	93.8	2.63	23.1	25.7	841	150,687	151,528	92.4	9.02	13,434	169,958
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	48.2	64.5	113	344	1.26	3.24	90.5	93.7	2.57	23.1	25.6	841	146,517	147,358	92.6	9.21	13,197	165,614
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190

Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.08	0.00	0.08	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	46.0	62.8	101	331	1.17	2.70	81.1	83.8	2.50	20.7	23.2	841	136,974	137,815	92.2	8.90	13,287	156,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122
Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,441	3,441	0.46	0.04	—	3,464
Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.65	0.55	4.67	8.45	0.01	0.16	—	0.16	0.15	—	0.15	—	1,380	1,380	0.06	0.01	—	1,385
Stationary	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	8.40	11.5	18.4	60.3	0.21	0.49	14.8	15.3	0.46	3.78	4.23	139	22,678	22,817	15.3	1.47	2,200	25,837

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363

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Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	55.9	71.8	110	404	1.30	3.31	90.5	93.8	2.63	23.1	25.7	841	150,687	151,528	92.4	9.02	13,434	169,958
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	48.2	64.5	113	344	1.26	3.24	90.5	93.7	2.57	23.1	25.6	841	146,517	147,358	92.6	9.21	13,197	165,614
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.08	0.00	0.08	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	46.0	62.8	101	331	1.17	2.70	81.1	83.8	2.50	20.7	23.2	841	136,974	137,815	92.2	8.90	13,287	156,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,441	3,441	0.46	0.04	—	3,464
Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.65	0.55	4.67	8.45	0.01	0.16	—	0.16	0.15	—	0.15	—	1,380	1,380	0.06	0.01	—	1,385
Stationary	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	8.40	11.5	18.4	60.3	0.21	0.49	14.8	15.3	0.46	3.78	4.23	139	22,678	22,817	15.3	1.47	2,200	25,837

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500

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User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010
Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217
Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714	
User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987	
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309	
Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958	
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122	

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500
User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010

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Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217
Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714
User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309
Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	664	664	0.13	0.02	—	672
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.76	0.21	—	9,132
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	664	664	0.13	0.02	—	672
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.76	0.21	—	9,132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefined	—	—	—	—	—	—	—	—	—	—	—	—	110	110	0.02	< 0.005	—	111
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,494	1,494	0.29	0.04	—	1,512

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	664	664	0.13	0.02	—	672
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.76	0.21	—	9,132
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	664	664	0.13	0.02	—	672
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.76	0.21	—	9,132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefine d	—	—	—	—	—	—	—	—	—	—	—	—	110	110	0.02	< 0.005	—	111
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,494	1,494	0.29	0.04	—	1,512

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599
Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Rohr-Wohl Specific Plan - Regional - Unmitigated Operational Detailed Report, 10/11/2023

User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599
Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Rohr-Wohl Specific Plan - Regional - Unmitigated Operational Detailed Report, 10/11/2023

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	2.79	2.35	22.1	41.3	0.06	0.74	—	0.74	0.68	—	0.68	—	6,098	6,098	0.25	0.05	—	6,119

Other General Industrial Equipment	0.77	0.65	3.49	5.03	0.02	0.14	—	0.14	0.13	—	0.13	—	2,236	2,236	0.09	0.02	—	2,244
Total	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	2.79	2.35	22.1	41.3	0.06	0.74	—	0.74	0.68	—	0.68	—	6,098	6,098	0.25	0.05	—	6,119
Other General Industrial Equipment	0.77	0.65	3.49	5.03	0.02	0.14	—	0.14	0.13	—	0.13	—	2,236	2,236	0.09	0.02	—	2,244
Total	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.51	0.43	4.03	7.53	0.01	0.14	—	0.14	0.12	—	0.12	—	1,010	1,010	0.04	0.01	—	1,013
Other General Industrial Equipment	0.14	0.12	0.64	0.92	< 0.005	0.03	—	0.03	0.02	—	0.02	—	370	370	0.02	< 0.005	—	371
Total	0.65	0.55	4.67	8.45	0.01	0.16	—	0.16	0.15	—	0.15	—	1,380	1,380	0.06	0.01	—	1,385

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	2.79	2.35	22.1	41.3	0.06	0.74	—	0.74	0.68	—	0.68	—	6,098	6,098	0.25	0.05	—	6,119

Other General Industrial Equipment	0.77	0.65	3.49	5.03	0.02	0.14	—	0.14	0.13	—	0.13	—	2,236	2,236	0.09	0.02	—	2,244
Total	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	2.79	2.35	22.1	41.3	0.06	0.74	—	0.74	0.68	—	0.68	—	6,098	6,098	0.25	0.05	—	6,119
Other General Industrial Equipment	0.77	0.65	3.49	5.03	0.02	0.14	—	0.14	0.13	—	0.13	—	2,236	2,236	0.09	0.02	—	2,244
Total	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.51	0.43	4.03	7.53	0.01	0.14	—	0.14	0.12	—	0.12	—	1,010	1,010	0.04	0.01	—	1,013
Other General Industrial Equipment	0.14	0.12	0.64	0.92	< 0.005	0.03	—	0.03	0.02	—	0.02	—	370	370	0.02	< 0.005	—	371
Total	0.65	0.55	4.67	8.45	0.01	0.16	—	0.16	0.15	—	0.15	—	1,380	1,380	0.06	0.01	—	1,385

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014
Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014

Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,437,150	479,050	59,512

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00
Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00
Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—

Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	40.0	8.00	82.0	0.20
Other General Industrial Equipment	Diesel	Average	3.00	8.00	200	0.40
Forklifts	Diesel	Average	40.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	40.0	8.00	82.0	0.20
Other General Industrial Equipment	Diesel	Average	3.00	8.00	200	0.40
Forklifts	Diesel	Average	40.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	5.00	1.00	50.0	500	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	8.90	annual days of extreme heat
Extreme Precipitation	1.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	1.40	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	N/A
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The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	24.9
AQ-PM	53.2
AQ-DPM	77.6
Drinking Water	33.4
Lead Risk Housing	90.7
Pesticides	0.00
Toxic Releases	61.0
Traffic	72.8
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	96.4
Haz Waste Facilities/Generators	92.7
Impaired Water Bodies	66.7
Solid Waste	37.6
Sensitive Population	—
Asthma	50.4
Cardio-vascular	24.9
Low Birth Weights	27.9
Socioeconomic Factor Indicators	—
Education	88.8
Housing	73.7
Linguistic	86.3
Poverty	79.5
Unemployment	97.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	35.32657513
Employed	19.64583601
Median HI	25.33042474
Education	—
Bachelor's or higher	14.74400103
High school enrollment	7.86603362
Preschool enrollment	42.55100731
Transportation	—
Auto Access	16.36083665
Active commuting	76.97934043
Social	—
2-parent households	43.85987425
Voting	26.81894007
Neighborhood	—
Alcohol availability	28.25612729
Park access	41.30630053
Retail density	50.50686514
Supermarket access	28.07647889
Tree canopy	4.542538175
Housing	—
Homeownership	22.34056204
Housing habitability	31.73360708
Low-inc homeowner severe housing cost burden	57.55164892
Low-inc renter severe housing cost burden	30.77120493
Uncrowded housing	27.15257282

Health Outcomes	—
Insured adults	32.31104838
Arthritis	32.9
Asthma ER Admissions	42.5
High Blood Pressure	44.4
Cancer (excluding skin)	55.0
Asthma	40.2
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	16.2
Life Expectancy at Birth	27.3
Cognitively Disabled	39.7
Physically Disabled	46.5
Heart Attack ER Admissions	61.8
Mental Health Not Good	30.2
Chronic Kidney Disease	7.4
Obesity	29.3
Pedestrian Injuries	84.2
Physical Health Not Good	27.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	47.1
Current Smoker	40.0
No Leisure Time for Physical Activity	23.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	79.5

Children	25.4
Elderly	66.3
English Speaking	8.0
Foreign-born	70.7
Outdoor Workers	15.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	10.7
Traffic Density	76.1
Traffic Access	73.1
Other Indices	—
Hardship	79.4
Other Decision Support	—
2016 Voting	47.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	22.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Total project site = 44.78 acres. Planning Area B-1 is 26.13 acres. Planning Area B-2 is 9.36 acres. Total acreage graded per applicant is 36.6 acres. Equipment adjusted to reflect 36.6 acres graded. Other asphalt = additional onsite circulation, parking, etc. User Defined Industrial = trucks for PA B-1. User Defined Commercial = trucks for PA A.
Construction: Construction Phases	No demolition. No construction for Planning Area A.
Construction: Trips and VMT	Even number of trips. Added vendor trips to non-building construction phases. Included onsite water truck for site prep and grading.
Construction: Off-Road Equipment	Based on default equipment mix for acreage for each Planning Area.
Operations: Vehicle Data	Based on Mizuta Traffic Consulting Local Mobility Analysis and weighted truck trip length from EMFAC regional data
Operations: Fleet Mix	Fleet Mix adjusted to reflect passenger cars and trucks being separated for Industrial Business Park with commercial uses.
Operations: Energy Use	Electricity energy use increased to reflect potential refrigeration. Natural gas usage kept at defaults because refrigeration used less natural gas.
Operations: Refrigerants	Refrigeration adjusted for Industrial Business Park Use to match Unrefrigerated Warehouse use to provide flexibility of uses.
Operations: Off-Road Equipment	Added potential offroad equipment for material handling per SCAQMD 2014 survey. 80 forklifts and 3 yard trucks. Mitigation requires all-electric cargo handling equipment.
Operations: Emergency Generators and Fire Pumps	1 per building
Operations: Generators + Pumps EF	Average

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Rohr-Wohl Specific Plan - Regional - Mitigated Operational
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	21.0
Location	32.62937792234845, -117.10085538611123
County	San Diego
City	Chula Vista
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6615
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	470	1000sqft	10.8	470,000	140,000	0.00	—	PA B-1

Parking Lot	793	Space	7.14	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	15.6	Acre	15.6	0.00	0.00	0.00	—	—
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Industrial Park	198	1000sqft	4.55	198,000	60,000	0.00	—	—
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Hotel	175	Room	5.85	254,100	30,000	0.00	—	—
Quality Restaurant	36.0	1000sqft	0.83	36,000	20,000	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52.4	68.8	84.0	358	1.23	2.43	90.5	92.9	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	44.6	61.5	87.7	297	1.18	2.36	90.5	92.8	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	42.5	59.8	75.0	284	1.09	1.82	81.1	82.9	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.75	10.9	13.7	51.9	0.20	0.33	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172

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Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	52.4	68.8	84.0	358	1.23	2.43	90.5	92.9	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	44.6	61.5	87.7	297	1.18	2.36	90.5	92.8	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190

Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.08	0.00	0.08	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	42.5	59.8	75.0	284	1.09	1.82	81.1	82.9	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122
Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,591	3,591	0.49	0.04	—	3,616
Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	7.75	10.9	13.7	51.9	0.20	0.33	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	52.4	68.8	84.0	358	1.23	2.43	90.5	92.9	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	44.6	61.5	87.7	297	1.18	2.36	90.5	92.8	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.08	0.00	0.08	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	42.5	59.8	75.0	284	1.09	1.82	81.1	82.9	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,591	3,591	0.49	0.04	—	3,616
Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	7.75	10.9	13.7	51.9	0.20	0.33	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500

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User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010
Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217
Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714	
User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987	
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309	
Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958	
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122	

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500
User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010

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Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217
Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714
User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309
Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefined	—	—	—	—	—	—	—	—	—	—	—	—	260	260	0.05	0.01	—	263
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,644	1,644	0.32	0.04	—	1,664

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefine d	—	—	—	—	—	—	—	—	—	—	—	—	260	260	0.05	0.01	—	263
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,644	1,644	0.32	0.04	—	1,664

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599
Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599
Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014
Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014

Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,437,150	479,050	59,512

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00
Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00
Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—

Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	40.0	8.00	82.0	0.20
Other General Industrial Equipment	Electric	Average	3.00	8.00	200	0.40
Forklifts	Electric	Average	40.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	40.0	8.00	82.0	0.20
Other General Industrial Equipment	Electric	Average	3.00	8.00	200	0.40
Forklifts	Electric	Average	40.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	5.00	1.00	50.0	500	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	8.90	annual days of extreme heat
Extreme Precipitation	1.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	1.40	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	N/A
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The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	24.9
AQ-PM	53.2
AQ-DPM	77.6
Drinking Water	33.4
Lead Risk Housing	90.7
Pesticides	0.00
Toxic Releases	61.0
Traffic	72.8
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	96.4
Haz Waste Facilities/Generators	92.7
Impaired Water Bodies	66.7
Solid Waste	37.6
Sensitive Population	—
Asthma	50.4
Cardio-vascular	24.9
Low Birth Weights	27.9
Socioeconomic Factor Indicators	—
Education	88.8
Housing	73.7
Linguistic	86.3
Poverty	79.5
Unemployment	97.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	35.32657513
Employed	19.64583601
Median HI	25.33042474
Education	—
Bachelor's or higher	14.74400103
High school enrollment	7.86603362
Preschool enrollment	42.55100731
Transportation	—
Auto Access	16.36083665
Active commuting	76.97934043
Social	—
2-parent households	43.85987425
Voting	26.81894007
Neighborhood	—
Alcohol availability	28.25612729
Park access	41.30630053
Retail density	50.50686514
Supermarket access	28.07647889
Tree canopy	4.542538175
Housing	—
Homeownership	22.34056204
Housing habitability	31.73360708
Low-inc homeowner severe housing cost burden	57.55164892
Low-inc renter severe housing cost burden	30.77120493
Uncrowded housing	27.15257282

Health Outcomes	—
Insured adults	32.31104838
Arthritis	32.9
Asthma ER Admissions	42.5
High Blood Pressure	44.4
Cancer (excluding skin)	55.0
Asthma	40.2
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	16.2
Life Expectancy at Birth	27.3
Cognitively Disabled	39.7
Physically Disabled	46.5
Heart Attack ER Admissions	61.8
Mental Health Not Good	30.2
Chronic Kidney Disease	7.4
Obesity	29.3
Pedestrian Injuries	84.2
Physical Health Not Good	27.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	47.1
Current Smoker	40.0
No Leisure Time for Physical Activity	23.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	79.5

Children	25.4
Elderly	66.3
English Speaking	8.0
Foreign-born	70.7
Outdoor Workers	15.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	10.7
Traffic Density	76.1
Traffic Access	73.1
Other Indices	—
Hardship	79.4
Other Decision Support	—
2016 Voting	47.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	22.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Total project site = 44.78 acres. Planning Area B-1 is 26.13 acres. Planning Area B-2 is 9.36 acres. Total acreage graded per applicant is 36.6 acres. Equipment adjusted to reflect 36.6 acres graded. Other asphalt = additional onsite circulation, parking, etc. User Defined Industrial = trucks for PA B-1. User Defined Commercial = trucks for PA A.
Construction: Construction Phases	No demolition. No construction for Planning Area A.
Construction: Trips and VMT	Even number of trips. Added vendor trips to non-building construction phases. Included onsite water truck for site prep and grading.
Construction: Off-Road Equipment	Based on default equipment mix for acreage for each Planning Area.
Operations: Vehicle Data	Based on Mizuta Traffic Consulting Local Mobility Analysis and weighted truck trip length from EMFAC regional data
Operations: Fleet Mix	Fleet Mix adjusted to reflect passenger cars and trucks being separated for Industrial Business Park with commercial uses.
Operations: Energy Use	Electricity energy use increased to reflect potential refrigeration. Natural gas usage kept at defaults because refrigeration used less natural gas.
Operations: Refrigerants	Refrigeration adjusted for Industrial Business Park Use to match Unrefrigerated Warehouse use to provide flexibility of uses.
Operations: Off-Road Equipment	Added potential offroad equipment for material handling per SCAQMD 2014 survey. 80 forklifts and 3 yard trucks. Mitigation requires all-electric cargo handling equipment.
Operations: Emergency Generators and Fire Pumps	1 per building
Operations: Generators + Pumps EF	Average
Operations: Landscape Equipment	—

Rohr-Wohl Specific Plan - HRA Unmitigated Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Rohr-Wohl Specific Plan - HRA Unmitigated
Construction Start Date	8/19/2024
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	21.0
Location	32.62937792234845, -117.10085538611123
County	San Diego
City	Chula Vista
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6615
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Industrial Park	470	1000sqft	10.8	470,000	140,000	0.00	—	PA B-1
Parking Lot	793	Space	7.14	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	15.6	Acre	15.6	0.00	0.00	0.00	—	—
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Industrial Park	198	1000sqft	4.55	198,000	60,000	0.00	—	—
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Hotel	175	Room	5.85	254,100	30,000	0.00	—	—
Quality Restaurant	36.0	1000sqft	0.83	36,000	20,000	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.37	87.4	36.6	33.0	0.06	1.60	20.0	21.6	1.47	10.1	11.6	—	6,983	6,983	0.34	0.12	0.29	7,027

Mit.	0.82	21.6	6.77	36.9	0.06	0.13	8.04	8.14	0.13	3.98	4.08	—	6,983	6,983	0.34	0.12	0.29	7,027
% Reduced	81%	75%	82%	-12%	—	92%	60%	62%	91%	61%	65%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.36	85.1	36.7	31.8	0.06	1.45	9.70	11.2	1.33	3.71	5.05	—	6,987	6,987	0.34	0.12	0.01	7,030
Mit.	0.81	21.1	6.87	37.0	0.06	0.13	4.03	4.16	0.13	1.48	1.60	—	6,987	6,987	0.34	0.12	0.01	7,030
% Reduced	81%	75%	81%	-16%	—	91%	58%	63%	91%	60%	68%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.01	8.81	8.08	9.75	0.02	0.32	2.29	2.61	0.30	1.01	1.31	—	1,818	1,818	0.09	0.03	0.05	1,829
Mit.	0.30	2.34	2.64	11.0	0.02	0.05	0.94	0.97	0.05	0.40	0.43	—	1,818	1,818	0.09	0.03	0.05	1,829
% Reduced	71%	73%	67%	-13%	—	83%	59%	63%	82%	61%	67%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.18	1.61	1.48	1.78	< 0.005	0.06	0.42	0.48	0.05	0.18	0.24	—	301	301	0.01	< 0.005	0.01	303
Mit.	0.05	0.43	0.48	2.01	< 0.005	0.01	0.17	0.18	0.01	0.07	0.08	—	301	301	0.01	< 0.005	0.01	303
% Reduced	71%	73%	67%	-13%	—	83%	59%	63%	82%	61%	67%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.37	3.65	36.6	33.0	0.06	1.60	20.0	21.6	1.47	10.1	11.6	—	6,983	6,983	0.34	0.12	0.29	7,027
2025	1.41	1.17	11.3	13.6	0.02	0.43	0.02	0.45	0.40	< 0.005	0.40	—	2,544	2,544	0.12	0.04	0.17	2,560
2026	1.34	85.1	10.7	13.6	0.02	0.38	0.02	0.40	0.35	< 0.005	0.35	—	2,541	2,541	0.12	0.04	0.15	2,557
2028	1.87	1.57	13.9	17.4	0.03	0.57	7.45	8.02	0.52	3.46	3.99	—	2,981	2,981	0.13	0.06	0.24	2,993
2029	1.26	87.4	10.1	14.0	0.02	0.28	0.03	0.31	0.25	0.01	0.26	—	2,659	2,659	0.13	0.06	0.21	2,680
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.36	3.61	36.7	31.8	0.06	1.45	9.70	11.2	1.33	3.71	5.05	—	6,987	6,987	0.34	0.12	0.01	7,030
2025	1.41	1.16	11.3	13.7	0.02	0.43	0.02	0.45	0.40	< 0.005	0.40	—	2,545	2,545	0.12	0.04	< 0.005	2,561
2026	1.34	85.1	10.7	13.6	0.02	0.38	0.02	0.40	0.35	< 0.005	0.35	—	2,543	2,543	0.12	0.04	< 0.005	2,558
2028	1.29	1.06	10.6	14.1	0.02	0.30	0.03	0.33	0.28	0.01	0.29	—	2,667	2,667	0.13	0.06	0.01	2,689
2029	1.26	1.03	10.2	14.1	0.02	0.28	0.03	0.31	0.25	0.01	0.26	—	2,662	2,662	0.13	0.06	0.01	2,683
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.95	0.79	7.87	7.28	0.01	0.32	2.29	2.61	0.30	1.01	1.31	—	1,441	1,441	0.07	0.02	0.02	1,449
2025	1.01	0.83	8.08	9.75	0.02	0.31	0.01	0.32	0.28	< 0.005	0.29	—	1,818	1,818	0.09	0.03	0.05	1,829
2026	0.60	8.81	4.77	6.14	0.01	0.17	0.01	0.18	0.16	< 0.005	0.16	—	1,108	1,108	0.05	0.02	0.03	1,115
2028	0.42	0.34	3.34	4.40	0.01	0.10	0.41	0.52	0.10	0.19	0.29	—	815	815	0.04	0.02	0.03	821

2029	0.54	5.22	4.31	6.01	0.01	0.12	0.01	0.13	0.11	< 0.005	0.11	—	1,116	1,116	0.06	0.02	0.03	1,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.17	0.14	1.44	1.33	< 0.005	0.06	0.42	0.48	0.05	0.18	0.24	—	239	239	0.01	< 0.005	< 0.005	240
2025	0.18	0.15	1.48	1.78	< 0.005	0.06	< 0.005	0.06	0.05	< 0.005	0.05	—	301	301	0.01	< 0.005	0.01	303
2026	0.11	1.61	0.87	1.12	< 0.005	0.03	< 0.005	0.03	0.03	< 0.005	0.03	—	184	184	0.01	< 0.005	< 0.005	185
2028	0.08	0.06	0.61	0.80	< 0.005	0.02	0.08	0.09	0.02	0.03	0.05	—	135	135	0.01	< 0.005	< 0.005	136
2029	0.10	0.95	0.79	1.10	< 0.005	0.02	< 0.005	0.02	0.02	< 0.005	0.02	—	185	185	0.01	< 0.005	0.01	186

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.82	0.74	6.77	36.9	0.06	0.13	8.04	8.14	0.13	3.98	4.08	—	6,983	6,983	0.34	0.12	0.29	7,027
2025	0.42	0.37	3.68	15.4	0.02	0.08	0.02	0.09	0.07	< 0.005	0.08	—	2,544	2,544	0.12	0.04	0.17	2,560
2026	0.41	21.1	3.67	15.4	0.02	0.08	0.02	0.09	0.07	< 0.005	0.08	—	2,541	2,541	0.12	0.04	0.15	2,557
2028	0.47	0.40	4.38	17.9	0.03	0.08	3.13	3.19	0.07	1.37	1.43	—	2,981	2,981	0.13	0.06	0.24	2,993
2029	0.46	21.6	4.34	15.9	0.02	0.08	0.03	0.11	0.07	0.01	0.08	—	2,659	2,659	0.13	0.06	0.21	2,680
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.81	0.73	6.87	37.0	0.06	0.13	4.03	4.16	0.13	1.48	1.60	—	6,987	6,987	0.34	0.12	0.01	7,030
2025	0.41	0.37	3.72	15.5	0.02	0.08	0.02	0.09	0.07	< 0.005	0.08	—	2,545	2,545	0.12	0.04	< 0.005	2,561
2026	0.41	21.1	3.70	15.4	0.02	0.08	0.02	0.09	0.07	< 0.005	0.08	—	2,543	2,543	0.12	0.04	< 0.005	2,558
2028	0.46	0.40	4.45	16.0	0.02	0.08	0.03	0.11	0.07	0.01	0.08	—	2,667	2,667	0.13	0.06	0.01	2,689
2029	0.46	0.39	4.41	16.0	0.02	0.08	0.03	0.11	0.07	0.01	0.08	—	2,662	2,662	0.13	0.06	0.01	2,683
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	0.18	0.16	1.41	7.86	0.01	0.03	0.94	0.97	0.03	0.40	0.43	—	1,441	1,441	0.07	0.02	0.02	1,449
2025	0.30	0.26	2.64	11.0	0.02	0.05	0.01	0.07	0.05	< 0.005	0.06	—	1,818	1,818	0.09	0.03	0.05	1,829
2026	0.18	2.34	1.65	6.90	0.01	0.03	0.01	0.04	0.03	< 0.005	0.03	—	1,108	1,108	0.05	0.02	0.03	1,115
2028	0.13	0.11	1.20	4.88	0.01	0.02	0.18	0.20	0.02	0.08	0.10	—	815	815	0.04	0.02	0.03	821
2029	0.19	1.35	1.84	6.79	0.01	0.03	0.01	0.04	0.03	< 0.005	0.03	—	1,116	1,116	0.06	0.02	0.03	1,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.03	0.03	0.26	1.43	< 0.005	0.01	0.17	0.18	0.01	0.07	0.08	—	239	239	0.01	< 0.005	< 0.005	240
2025	0.05	0.05	0.48	2.01	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	—	301	301	0.01	< 0.005	0.01	303
2026	0.03	0.43	0.30	1.26	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	—	184	184	0.01	< 0.005	< 0.005	185
2028	0.02	0.02	0.22	0.89	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.02	—	135	135	0.01	< 0.005	< 0.005	136
2029	0.04	0.25	0.34	1.24	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	—	185	185	0.01	< 0.005	0.01	186

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	55.9	71.8	110	404	1.30	3.31	90.5	93.8	2.63	23.1	25.7	841	150,687	151,528	92.4	9.02	13,434	169,958
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48.2	64.5	113	344	1.26	3.24	90.5	93.7	2.57	23.1	25.6	841	146,517	147,358	92.6	9.21	13,197	165,614
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	46.0	62.8	101	331	1.17	2.70	81.1	83.8	2.50	20.7	23.2	841	136,974	137,815	92.2	8.90	13,287	156,059
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.40	11.5	18.4	60.3	0.21	0.49	14.8	15.3	0.46	3.78	4.23	139	22,678	22,817	15.3	1.47	2,200	25,837

Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	55.9	71.8	110	404	1.30	3.31	90.5	93.8	2.63	23.1	25.7	841	150,687	151,528	92.4	9.02	13,434	169,958

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	48.2	64.5	113	344	1.26	3.24	90.5	93.7	2.57	23.1	25.6	841	146,517	147,358	92.6	9.21	13,197	165,614
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.08	0.00	0.08	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	46.0	62.8	101	331	1.17	2.70	81.1	83.8	2.50	20.7	23.2	841	136,974	137,815	92.2	8.90	13,287	156,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122
Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,441	3,441	0.46	0.04	—	3,464

Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.65	0.55	4.67	8.45	0.01	0.16	—	0.16	0.15	—	0.15	—	1,380	1,380	0.06	0.01	—	1,385
Stationary	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	8.40	11.5	18.4	60.3	0.21	0.49	14.8	15.3	0.46	3.78	4.23	139	22,678	22,817	15.3	1.47	2,200	25,837

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	55.9	71.8	110	404	1.30	3.31	90.5	93.8	2.63	23.1	25.7	841	150,687	151,528	92.4	9.02	13,434	169,958
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	48.2	64.5	113	344	1.26	3.24	90.5	93.7	2.57	23.1	25.6	841	146,517	147,358	92.6	9.21	13,197	165,614
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	20,782	20,782	2.80	0.23	—	20,922
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.08	0.00	0.08	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	46.0	62.8	101	331	1.17	2.70	81.1	83.8	2.50	20.7	23.2	841	136,974	137,815	92.2	8.90	13,287	156,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122
Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,441	3,441	0.46	0.04	—	3,464
Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.65	0.55	4.67	8.45	0.01	0.16	—	0.16	0.15	—	0.15	—	1,380	1,380	0.06	0.01	—	1,385

Stationary	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	8.40	11.5	18.4	60.3	0.21	0.49	14.8	15.3	0.46	3.78	4.23	139	22,678	22,817	15.3	1.47	2,200	25,837

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.97	1.80	< 0.005	0.09	—	0.09	0.08	—	0.08	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement:	—	—	—	—	—	—	1.08	1.08	—	0.55	0.55	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.36	0.33	< 0.005	0.02	—	0.02	0.01	—	0.01	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48.0	48.0	< 0.005	< 0.005	—	48.2

Dust From Material Movement:	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement:	—	—	—	—	—	—	9.30	9.30	—	3.67	3.67	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement:	—	—	—	—	—	—	9.30	9.30	—	3.67	3.67	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.23	3.72	0.01	0.18	—	0.18	0.16	—	0.16	—	813	813	0.03	0.01	—	816
Dust From Material Movement:	—	—	—	—	—	—	1.15	1.15	—	0.45	0.45	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.38
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.77	0.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	135	135	0.01	< 0.005	—	135

Dust From Material Movement:	—	—	—	—	—	—	0.21	0.21	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.23
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.18	0.10	2.25	1.51	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	371	371	0.07	0.06	0.28	391
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.84	3.84	< 0.005	< 0.005	< 0.005	4.03
Hauling	0.17	0.09	2.35	1.56	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	374	374	0.07	0.06	0.01	394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.50
Hauling	0.02	0.01	0.28	0.19	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	45.9	45.9	0.01	0.01	0.01	48.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	8.00

3.4. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.63	3.63	—	1.43	1.43	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.63	3.63	—	1.43	1.43	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.55	4.36	0.01	0.02	—	0.02	0.02	—	0.02	—	813	813	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	0.45	0.45	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.38

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	135	135	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.23
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.18	0.10	2.25	1.51	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	371	371	0.07	0.06	0.28	391
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.84	3.84	< 0.005	< 0.005	< 0.005	4.03
Hauling	0.17	0.09	2.35	1.56	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	374	374	0.07	0.06	0.01	394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.50
Hauling	0.02	0.01	0.28	0.19	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	45.9	45.9	0.01	0.01	0.01	48.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	8.00

3.5. B-2 Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	1.56	13.8	17.3	0.03	0.57	—	0.57	0.52	—	0.52	—	2,961	2,961	0.12	0.02	—	2,971
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	9.84	9.84	< 0.005	< 0.005	0.01	10.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.76	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.9	26.9	< 0.005	< 0.005	—	27.0

Dust From Material Movement:	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.01	11.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.62
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. B-2 Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.29	2.04	17.8	0.03	0.06	—	0.06	0.06	—	0.06	—	2,961	2,961	0.12	0.02	—	2,971
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	9.84	9.84	< 0.005	< 0.005	0.01	10.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.9	26.9	< 0.005	< 0.005	—	27.0
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.01	11.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.62
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.27	1.49	< 0.005	0.06	—	0.06	0.05	—	0.05	—	272	272	0.01	< 0.005	—	273	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.03	0.02	0.23	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.1	45.1	< 0.005	< 0.005	—	45.2	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.06	0.04	0.91	0.64	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	150	150	0.02	0.02	< 0.005	157	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.0	17.0	< 0.005	< 0.005	0.01	17.8	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.81	2.81	< 0.005	< 0.005	< 0.005	2.94	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.83	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	1.68	< 0.005	0.01	—	0.01	0.01	—	0.01	—	272	272	0.01	< 0.005	—	273
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.1	45.1	< 0.005	< 0.005	—	45.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.91	0.64	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	150	150	0.02	0.02	< 0.005	157
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.0	17.0	< 0.005	< 0.005	0.01	17.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.81	2.81	< 0.005	< 0.005	< 0.005	2.94
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	7.46	9.31	0.02	0.31	—	0.31	0.28	—	0.28	—	1,713	1,713	0.07	0.01	—	1,719	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.18	0.15	1.36	1.70	< 0.005	0.06	—	0.06	0.05	—	0.05	—	284	284	0.01	< 0.005	—	285	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.07	0.04	0.86	0.60	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	147	147	0.02	0.02	0.17	154	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.06	0.04	0.89	0.63	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	148	148	0.02	0.02	< 0.005	155	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.05	0.03	0.62	0.44	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	105	105	0.02	0.02	0.05	110	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.01	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.01	18.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.24	2.02	10.6	0.02	0.05	—	0.05	0.05	—	0.05	—	1,713	1,713	0.07	0.01	—	1,719
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	1.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	284	284	0.01	< 0.005	—	285

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	0.04	0.86	0.60	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	147	147	0.02	0.02	0.17	154
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.89	0.63	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	148	148	0.02	0.02	< 0.005	155
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.05	0.03	0.62	0.44	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	105	105	0.02	0.02	0.05	110
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.01	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.01	18.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.68	4.85	0.01	0.14	—	0.14	0.13	—	0.13	—	896	896	0.04	0.01	—	899
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.67	0.88	< 0.005	0.03	—	0.03	0.02	—	0.02	—	148	148	0.01	< 0.005	—	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.84	0.59	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	144	144	0.02	0.02	0.15	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.88	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	145	145	0.02	0.02	< 0.005	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.02	0.01	0.32	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	54.1	54.1	0.01	0.01	0.02	56.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.95	8.95	< 0.005	< 0.005	< 0.005	9.40
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	1.05	5.54	0.01	0.03	—	0.03	0.03	—	0.03	—	896	896	0.04	0.01	—	899
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.01	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	148	148	0.01	< 0.005	—	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.84	0.59	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	144	144	0.02	0.02	0.15	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.88	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	145	145	0.02	0.02	< 0.005	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.02	0.01	0.32	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	54.1	54.1	0.01	0.01	0.02	56.8

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.95	8.95	< 0.005	< 0.005	< 0.005	9.40
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. B-2 Building (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.18	3.16	0.01	0.07	—	0.07	0.07	—	0.07	—	586	586	0.02	< 0.005	—	588
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.04	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	97.1	97.1	< 0.005	< 0.005	—	97.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.12	0.07	1.56	1.11	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	267	267	0.04	0.04	0.24	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.07	1.63	1.17	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	270	270	0.04	0.04	0.01	283
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.03	0.02	0.39	0.28	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	65.6	65.6	0.01	0.01	0.02	69.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. B-2 Building (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.69	3.63	0.01	0.02	—	0.02	0.02	—	0.02	—	586	586	0.02	< 0.005	—	588
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.66	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	97.1	97.1	< 0.005	< 0.005	—	97.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.12	0.07	1.56	1.11	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	267	267	0.04	0.04	0.24	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.07	1.63	1.17	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	270	270	0.04	0.04	0.01	283
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.03	0.02	0.39	0.28	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	65.6	65.6	0.01	0.01	0.02	69.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. B-2 Building (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.31	4.97	0.01	0.11	—	0.11	0.10	—	0.10	—	924	924	0.04	0.01	—	927
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.60	0.91	< 0.005	0.02	—	0.02	0.02	—	0.02	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.07	1.53	1.10	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	262	262	0.04	0.04	0.21	275
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.06	1.60	1.15	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	265	265	0.04	0.04	0.01	278
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.03	0.60	0.43	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	101	101	0.01	0.02	0.03	107

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.01	17.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. B-2 Building (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	1.08	5.71	0.01	0.03	—	0.03	0.03	—	0.03	—	924	924	0.04	0.01	—	927
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.20	1.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.07	1.53	1.10	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	262	262	0.04	0.04	0.21	275
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.06	1.60	1.15	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	265	265	0.04	0.04	0.01	278
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.03	0.60	0.43	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	101	101	0.01	0.02	0.03	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.01	17.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.68	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	145
Paving	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.19	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.01	< 0.005	—	145
Paving	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. B-2 Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.67
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. B-2 Paving (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.67	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.21. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	84.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	84.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	—	8.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13

Architectural Coatings	—	1.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.73	3.73	< 0.005	< 0.005	< 0.005	3.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	21.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	21.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	—	2.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13

Architect Coatings	—	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.73	3.73	< 0.005	< 0.005	< 0.005	3.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. B-2 Arch Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	87.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.67
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. B-2 Arch Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	21.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.67
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500
User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010
Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217

Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714

User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309
Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500
User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010
Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217
Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714
User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309

Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	664	664	0.13	0.02	—	672
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.76	0.21	—	9,132

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	664	664	0.13	0.02	—	672
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.76	0.21	—	9,132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefined	—	—	—	—	—	—	—	—	—	—	—	—	110	110	0.02	< 0.005	—	111
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,494	1,494	0.29	0.04	—	1,512

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603

undefined	—	—	—	—	—	—	—	—	—	—	—	—	664	664	0.13	0.02	—	672
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.76	0.21	—	9,132
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	664	664	0.13	0.02	—	672
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,024	9,024	1.76	0.21	—	9,132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefined	—	—	—	—	—	—	—	—	—	—	—	—	110	110	0.02	< 0.005	—	111
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,494	1,494	0.29	0.04	—	1,512

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616

Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599
Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599

Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	2.79	2.35	22.1	41.3	0.06	0.74	—	0.74	0.68	—	0.68	—	6,098	6,098	0.25	0.05	—	6,119
Other General Industrial Equipment	0.77	0.65	3.49	5.03	0.02	0.14	—	0.14	0.13	—	0.13	—	2,236	2,236	0.09	0.02	—	2,244
Total	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	2.79	2.35	22.1	41.3	0.06	0.74	—	0.74	0.68	—	0.68	—	6,098	6,098	0.25	0.05	—	6,119

Other General Industrial Equipment	0.77	0.65	3.49	5.03	0.02	0.14	—	0.14	0.13	—	0.13	—	2,236	2,236	0.09	0.02	—	2,244
Total	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.51	0.43	4.03	7.53	0.01	0.14	—	0.14	0.12	—	0.12	—	1,010	1,010	0.04	0.01	—	1,013
Other General Industrial Equipment	0.14	0.12	0.64	0.92	< 0.005	0.03	—	0.03	0.02	—	0.02	—	370	370	0.02	< 0.005	—	371
Total	0.65	0.55	4.67	8.45	0.01	0.16	—	0.16	0.15	—	0.15	—	1,380	1,380	0.06	0.01	—	1,385

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	2.79	2.35	22.1	41.3	0.06	0.74	—	0.74	0.68	—	0.68	—	6,098	6,098	0.25	0.05	—	6,119
Other General Industrial Equipment	0.77	0.65	3.49	5.03	0.02	0.14	—	0.14	0.13	—	0.13	—	2,236	2,236	0.09	0.02	—	2,244
Total	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	2.79	2.35	22.1	41.3	0.06	0.74	—	0.74	0.68	—	0.68	—	6,098	6,098	0.25	0.05	—	6,119

Other General Industrial Equipment	0.77	0.65	3.49	5.03	0.02	0.14	—	0.14	0.13	—	0.13	—	2,236	2,236	0.09	0.02	—	2,244
Total	3.56	2.99	25.6	46.3	0.08	0.88	—	0.88	0.81	—	0.81	—	8,334	8,334	0.34	0.07	—	8,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.51	0.43	4.03	7.53	0.01	0.14	—	0.14	0.12	—	0.12	—	1,010	1,010	0.04	0.01	—	1,013
Other General Industrial Equipment	0.14	0.12	0.64	0.92	< 0.005	0.03	—	0.03	0.02	—	0.02	—	370	370	0.02	< 0.005	—	371
Total	0.65	0.55	4.67	8.45	0.01	0.16	—	0.16	0.15	—	0.15	—	1,380	1,380	0.06	0.01	—	1,385

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.60	0.00	0.60	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergen Generator	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	0.02	0.00	0.02	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	8/5/2024	8/30/2024	5.00	20.0	B-1
Grading	Grading	9/2/2024	11/1/2024	5.00	45.0	B-1

B-2 Grading	Grading	8/1/2028	8/28/2028	5.00	20.0	B-2 Grading
Building Construction	Building Construction	11/4/2024	7/10/2026	5.00	440	B-1
B-2 Building	Building Construction	8/29/2028	7/16/2029	5.00	230	B-2
Paving	Paving	7/13/2026	8/28/2026	5.00	35.0	B-1
B-2 Paving	Paving	7/17/2029	8/13/2029	5.00	20.0	B-2
Architectural Coating	Architectural Coating	8/31/2026	10/16/2026	5.00	35.0	B-1
B-2 Arch Coating	Architectural Coating	8/14/2029	9/10/2029	5.00	20.0	B-2

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
B-2 Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
B-2 Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
B-2 Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
B-2 Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
B-2 Building	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
B-2 Building	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
B-2 Building	Cranes	Diesel	Average	1.00	7.00	367	0.29
B-2 Building	Welders	Diesel	Average	1.00	8.00	46.0	0.45
B-2 Building	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
B-2 Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
B-2 Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
B-2 Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
B-2 Arch Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48

Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
B-2 Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
B-2 Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
B-2 Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
B-2 Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
B-2 Building	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
B-2 Building	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
B-2 Building	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
B-2 Building	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
B-2 Building	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
B-2 Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
B-2 Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
B-2 Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
B-2 Arch Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.25	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
Grading	Vendor	2.00	0.25	HHDT,MHDT
Grading	Hauling	140	0.25	HHDT
Grading	Onsite truck	4.00	0.25	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	78.0	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

B-2 Grading	—	—	—	—
B-2 Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Grading	Vendor	6.00	0.25	HHDT,MHDT
B-2 Grading	Hauling	0.00	20.0	HHDT
B-2 Grading	Onsite truck	4.00	0.25	HHDT
B-2 Building	—	—	—	—
B-2 Building	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Building	Vendor	150	0.25	HHDT,MHDT
B-2 Building	Hauling	0.00	20.0	HHDT
B-2 Building	Onsite truck	0.00	—	HHDT
B-2 Paving	—	—	—	—
B-2 Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Paving	Vendor	2.00	0.25	HHDT,MHDT
B-2 Paving	Hauling	0.00	20.0	HHDT
B-2 Paving	Onsite truck	0.00	—	HHDT
B-2 Arch Coating	—	—	—	—
B-2 Arch Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Arch Coating	Vendor	2.00	0.25	HHDT,MHDT
B-2 Arch Coating	Hauling	0.00	20.0	HHDT
B-2 Arch Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT

Site Preparation	Onsite truck	4.00	0.25	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
Grading	Vendor	2.00	0.25	HHDT,MHDT
Grading	Hauling	140	0.25	HHDT
Grading	Onsite truck	4.00	0.25	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	78.0	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
B-2 Grading	—	—	—	—
B-2 Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Grading	Vendor	6.00	0.25	HHDT,MHDT
B-2 Grading	Hauling	0.00	20.0	HHDT
B-2 Grading	Onsite truck	4.00	0.25	HHDT
B-2 Building	—	—	—	—

B-2 Building	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Building	Vendor	150	0.25	HHDT,MHDT
B-2 Building	Hauling	0.00	20.0	HHDT
B-2 Building	Onsite truck	0.00	—	HHDT
B-2 Paving	—	—	—	—
B-2 Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Paving	Vendor	2.00	0.25	HHDT,MHDT
B-2 Paving	Hauling	0.00	20.0	HHDT
B-2 Paving	Onsite truck	0.00	—	HHDT
B-2 Arch Coating	—	—	—	—
B-2 Arch Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Arch Coating	Vendor	2.00	0.25	HHDT,MHDT
B-2 Arch Coating	Hauling	0.00	20.0	HHDT
B-2 Arch Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	905,601	301,867	37,501

B-2 Arch Coating	0.00	0.00	531,549	177,183	22,011
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5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	30.0	0.00	—
Grading	50,000	0.00	135	0.00	—
B-2 Grading	0.00	0.00	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	22.8
B-2 Paving	0.00	0.00	0.00	0.00	22.8

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Parking Lot	7.14	100%
Other Asphalt Surfaces	15.6	100%
User Defined Industrial	0.00	0%
Industrial Park	0.00	0%
User Defined Commercial	0.00	0%
Hotel	0.00	0%
Quality Restaurant	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	540	0.03	< 0.005
2025	0.00	540	0.03	< 0.005
2026	0.00	45.1	0.03	< 0.005
2028	0.00	45.1	0.03	< 0.005
2029	0.00	45.1	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014
Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014
Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,437,150	479,050	59,512

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00
Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00

Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	40.0	8.00	82.0	0.20
Other General Industrial Equipment	Diesel	Average	3.00	8.00	200	0.40
Forklifts	Electric	Average	40.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	40.0	8.00	82.0	0.20
Other General Industrial Equipment	Diesel	Average	3.00	8.00	200	0.40
Forklifts	Electric	Average	40.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	5.00	1.00	50.0	500	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	8.90	annual days of extreme heat
Extreme Precipitation	1.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	1.40	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A

Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	24.9
AQ-PM	53.2
AQ-DPM	77.6
Drinking Water	33.4
Lead Risk Housing	90.7
Pesticides	0.00
Toxic Releases	61.0
Traffic	72.8
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	96.4
Haz Waste Facilities/Generators	92.7
Impaired Water Bodies	66.7
Solid Waste	37.6
Sensitive Population	—
Asthma	50.4
Cardio-vascular	24.9
Low Birth Weights	27.9
Socioeconomic Factor Indicators	—
Education	88.8
Housing	73.7

Linguistic	86.3
Poverty	79.5
Unemployment	97.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	35.32657513
Employed	19.64583601
Median HI	25.33042474
Education	—
Bachelor's or higher	14.74400103
High school enrollment	7.86603362
Preschool enrollment	42.55100731
Transportation	—
Auto Access	16.36083665
Active commuting	76.97934043
Social	—
2-parent households	43.85987425
Voting	26.81894007
Neighborhood	—
Alcohol availability	28.25612729
Park access	41.30630053
Retail density	50.50686514
Supermarket access	28.07647889
Tree canopy	4.542538175

Housing	—
Homeownership	22.34056204
Housing habitability	31.73360708
Low-inc homeowner severe housing cost burden	57.55164892
Low-inc renter severe housing cost burden	30.77120493
Uncrowded housing	27.15257282
Health Outcomes	—
Insured adults	32.31104838
Arthritis	32.9
Asthma ER Admissions	42.5
High Blood Pressure	44.4
Cancer (excluding skin)	55.0
Asthma	40.2
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	16.2
Life Expectancy at Birth	27.3
Cognitively Disabled	39.7
Physically Disabled	46.5
Heart Attack ER Admissions	61.8
Mental Health Not Good	30.2
Chronic Kidney Disease	7.4
Obesity	29.3
Pedestrian Injuries	84.2
Physical Health Not Good	27.0
Stroke	29.9
Health Risk Behaviors	—

Binge Drinking	47.1
Current Smoker	40.0
No Leisure Time for Physical Activity	23.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	79.5
Children	25.4
Elderly	66.3
English Speaking	8.0
Foreign-born	70.7
Outdoor Workers	15.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	10.7
Traffic Density	76.1
Traffic Access	73.1
Other Indices	—
Hardship	79.4
Other Decision Support	—
2016 Voting	47.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	22.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Total project site = 44.78 acres. Planning Area B-1 is 26.13 acres. Planning Area B-2 is 9.36 acres. Total acreage graded per applicant is 36.6 acres. Equipment adjusted to reflect 36.6 acres graded. Other asphalt = additional onsite circulation, parking, etc. User Defined Industrial = trucks for PA B-1. User Defined Commercial = trucks for PA A.
Construction: Construction Phases	No demolition. No construction for Planning Area A.
Construction: Trips and VMT	Even number of trips. Added vendor trips to non-building construction phases. Included onsite water truck for site prep and grading. Removed passenger vehicles. Reduced trip length to 0.25 miles for onsite DPM.
Construction: Off-Road Equipment	Based on default equipment mix for acreage for each Planning Area. Electric hook-ups and air compressors.
Operations: Vehicle Data	Based on Mizuta Traffic Consulting Local Mobility Analysis and weighted truck trip length from EMFAC regional data
Operations: Fleet Mix	Fleet Mix adjusted to reflect passenger cars and trucks being separated for Industrial Business Park with commercial uses.
Operations: Energy Use	Electricity energy use increased to reflect potential refrigeration. Natural gas usage kept at defaults because refrigeration used less natural gas.
Operations: Refrigerants	Refrigeration adjusted for Industrial Business Park Use to match Unrefrigerated Warehouse use to provide flexibility of uses.
Operations: Off-Road Equipment	Added potential offroad equipment for material handling per SCAQMD 2014 survey. 80 forklifts and 3 yard trucks.

Operations: Emergency Generators and Fire Pumps	1 per building
Operations: Generators + Pumps EF	Average

Rohr-Wohl Specific Plan - HRA Mitigated Detailed Report

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Operations: all electric cargo handling equipment, Tier 4 emergency generator

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3.5. B-2 Grading (2028) - Unmitigated

3.6. B-2 Grading (2028) - Mitigated

3.7. Building Construction (2024) - Unmitigated

3.8. Building Construction (2024) - Mitigated

3.9. Building Construction (2025) - Unmitigated

3.10. Building Construction (2025) - Mitigated

3.11. Building Construction (2026) - Unmitigated

3.12. Building Construction (2026) - Mitigated

3.13. B-2 Building (2028) - Unmitigated

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3.15. B-2 Building (2029) - Unmitigated

3.16. B-2 Building (2029) - Mitigated

3.17. Paving (2026) - Unmitigated

3.18. Paving (2026) - Mitigated

3.19. B-2 Paving (2029) - Unmitigated

3.20. B-2 Paving (2029) - Mitigated

3.21. Architectural Coating (2026) - Unmitigated

3.22. Architectural Coating (2026) - Mitigated

3.23. B-2 Arch Coating (2029) - Unmitigated

3.24. B-2 Arch Coating (2029) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Rohr-Wohl Specific Plan - HRA Mitigated
Construction Start Date	8/19/2024
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	21.0
Location	32.62937792234845, -117.10085538611123
County	San Diego
City	Chula Vista
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6615
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Industrial Park	470	1000sqft	10.8	470,000	140,000	0.00	—	PA B-1
Parking Lot	793	Space	7.14	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	15.6	Acre	15.6	0.00	0.00	0.00	—	—
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Industrial Park	198	1000sqft	4.55	198,000	60,000	0.00	—	—
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—
Hotel	175	Room	5.85	254,100	30,000	0.00	—	—
Quality Restaurant	36.0	1000sqft	0.83	36,000	20,000	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.37	87.3	36.6	33.0	0.06	1.60	20.0	21.6	1.47	10.1	11.6	—	6,984	6,984	0.34	0.12	0.29	7,027

Mit.	0.82	21.5	6.77	36.9	0.06	0.13	8.04	8.14	0.13	3.98	4.08	—	6,984	6,984	0.34	0.12	0.29	7,027
% Reduced	81%	75%	82%	-12%	—	92%	60%	62%	91%	61%	65%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.36	84.9	36.7	31.8	0.06	1.45	9.70	11.2	1.33	3.71	5.05	—	6,987	6,987	0.34	0.12	0.01	7,030
Mit.	0.81	21.0	6.87	37.0	0.06	0.13	4.03	4.16	0.13	1.48	1.60	—	6,987	6,987	0.34	0.12	0.01	7,030
% Reduced	81%	75%	81%	-16%	—	91%	58%	63%	91%	60%	68%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.93	8.76	7.78	9.38	0.02	0.32	2.29	2.61	0.29	1.01	1.31	—	1,744	1,744	0.08	0.03	0.05	1,754
Mit.	0.21	2.29	2.08	10.7	0.02	0.03	0.94	0.96	0.03	0.40	0.43	—	1,744	1,744	0.08	0.03	0.05	1,754
% Reduced	77%	74%	73%	-14%	—	90%	59%	63%	89%	61%	67%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	1.60	1.42	1.71	< 0.005	0.06	0.42	0.48	0.05	0.18	0.24	—	289	289	0.01	< 0.005	0.01	290
Mit.	0.04	0.42	0.38	1.94	< 0.005	0.01	0.17	0.18	0.01	0.07	0.08	—	289	289	0.01	< 0.005	0.01	290
% Reduced	77%	74%	73%	-14%	—	90%	59%	63%	89%	61%	67%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.37	3.65	36.6	33.0	0.06	1.60	20.0	21.6	1.47	10.1	11.6	—	6,984	6,984	0.34	0.12	0.29	7,027
2025	1.29	1.07	10.5	13.1	0.02	0.40	0.02	0.42	0.37	< 0.005	0.37	—	2,441	2,441	0.12	0.04	0.17	2,456
2026	1.22	84.9	9.91	13.0	0.02	0.35	0.02	0.36	0.32	< 0.005	0.32	—	2,438	2,438	0.12	0.04	0.15	2,453
2028	1.87	1.57	13.9	17.4	0.03	0.57	7.45	8.02	0.52	3.46	3.99	—	2,981	2,981	0.13	0.06	0.24	2,993
2029	1.15	87.3	9.33	13.5	0.02	0.25	0.03	0.28	0.23	0.01	0.23	—	2,555	2,555	0.13	0.06	0.21	2,576
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.36	3.61	36.7	31.8	0.06	1.45	9.70	11.2	1.33	3.71	5.05	—	6,987	6,987	0.34	0.12	0.01	7,030
2025	1.29	1.07	10.5	13.1	0.02	0.40	0.02	0.42	0.37	< 0.005	0.37	—	2,442	2,442	0.12	0.04	< 0.005	2,457
2026	1.22	84.9	9.94	13.1	0.02	0.35	0.02	0.36	0.32	< 0.005	0.32	—	2,439	2,439	0.12	0.04	< 0.005	2,454
2028	1.17	0.96	9.77	13.6	0.02	0.27	0.03	0.30	0.25	0.01	0.26	—	2,563	2,563	0.13	0.06	0.01	2,585
2029	1.14	0.93	9.40	13.5	0.02	0.25	0.03	0.28	0.23	0.01	0.23	—	2,558	2,558	0.13	0.06	0.01	2,579
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.93	0.78	7.78	7.22	0.01	0.32	2.29	2.61	0.29	1.01	1.31	—	1,429	1,429	0.07	0.02	0.02	1,438
2025	0.92	0.76	7.52	9.38	0.02	0.29	0.01	0.30	0.26	< 0.005	0.27	—	1,744	1,744	0.08	0.03	0.05	1,754
2026	0.54	8.76	4.40	5.83	0.01	0.16	0.01	0.17	0.15	< 0.005	0.15	—	1,057	1,057	0.05	0.02	0.03	1,063
2028	0.39	0.32	3.14	4.27	0.01	0.10	0.41	0.51	0.09	0.19	0.28	—	790	790	0.04	0.02	0.03	796

2029	0.49	5.18	3.96	5.75	0.01	0.11	0.01	0.12	0.10	< 0.005	0.10	—	1,069	1,069	0.05	0.02	0.03	1,077
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.17	0.14	1.42	1.32	< 0.005	0.06	0.42	0.48	0.05	0.18	0.24	—	237	237	0.01	< 0.005	< 0.005	238
2025	0.17	0.14	1.37	1.71	< 0.005	0.05	< 0.005	0.05	0.05	< 0.005	0.05	—	289	289	0.01	< 0.005	0.01	290
2026	0.10	1.60	0.80	1.06	< 0.005	0.03	< 0.005	0.03	0.03	< 0.005	0.03	—	175	175	0.01	< 0.005	< 0.005	176
2028	0.07	0.06	0.57	0.78	< 0.005	0.02	0.08	0.09	0.02	0.03	0.05	—	131	131	0.01	< 0.005	< 0.005	132
2029	0.09	0.95	0.72	1.05	< 0.005	0.02	< 0.005	0.02	0.02	< 0.005	0.02	—	177	177	0.01	< 0.005	0.01	178

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.82	0.74	6.77	36.9	0.06	0.13	8.04	8.14	0.13	3.98	4.08	—	6,984	6,984	0.34	0.12	0.29	7,027
2025	0.30	0.27	2.89	14.9	0.02	0.04	0.02	0.06	0.04	< 0.005	0.05	—	2,441	2,441	0.12	0.04	0.17	2,456
2026	0.29	21.0	2.88	14.9	0.02	0.04	0.02	0.06	0.04	< 0.005	0.05	—	2,438	2,438	0.12	0.04	0.15	2,453
2028	0.35	0.30	3.59	17.9	0.03	0.06	3.13	3.19	0.06	1.37	1.43	—	2,981	2,981	0.13	0.06	0.24	2,993
2029	0.34	21.5	3.56	15.4	0.02	0.04	0.03	0.08	0.04	0.01	0.05	—	2,555	2,555	0.13	0.06	0.21	2,576
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.81	0.73	6.87	37.0	0.06	0.13	4.03	4.16	0.13	1.48	1.60	—	6,987	6,987	0.34	0.12	0.01	7,030
2025	0.29	0.27	2.92	14.9	0.02	0.04	0.02	0.06	0.04	< 0.005	0.05	—	2,442	2,442	0.12	0.04	< 0.005	2,457
2026	0.29	21.0	2.91	14.9	0.02	0.04	0.02	0.06	0.04	< 0.005	0.05	—	2,439	2,439	0.12	0.04	< 0.005	2,454
2028	0.34	0.30	3.66	15.5	0.02	0.04	0.03	0.08	0.04	0.01	0.05	—	2,563	2,563	0.13	0.06	0.01	2,585
2029	0.34	0.29	3.63	15.5	0.02	0.04	0.03	0.08	0.04	0.01	0.05	—	2,558	2,558	0.13	0.06	0.01	2,579
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	0.16	0.15	1.32	7.80	0.01	0.03	0.94	0.96	0.03	0.40	0.43	—	1,429	1,429	0.07	0.02	0.02	1,438
2025	0.21	0.19	2.08	10.7	0.02	0.03	0.01	0.04	0.03	< 0.005	0.03	—	1,744	1,744	0.08	0.03	0.05	1,754
2026	0.12	2.29	1.27	6.59	0.01	0.02	0.01	0.03	0.02	< 0.005	0.02	—	1,057	1,057	0.05	0.02	0.03	1,063
2028	0.10	0.09	1.01	4.75	0.01	0.01	0.18	0.19	0.01	0.08	0.09	—	790	790	0.04	0.02	0.03	796
2029	0.14	1.30	1.49	6.53	0.01	0.02	0.01	0.03	0.02	< 0.005	0.02	—	1,069	1,069	0.05	0.02	0.03	1,077
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.03	0.03	0.24	1.42	< 0.005	< 0.005	0.17	0.18	< 0.005	0.07	0.08	—	237	237	0.01	< 0.005	< 0.005	238
2025	0.04	0.04	0.38	1.94	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	—	289	289	0.01	< 0.005	0.01	290
2026	0.02	0.42	0.23	1.20	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	175	175	0.01	< 0.005	< 0.005	176
2028	0.02	0.02	0.18	0.87	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.02	—	131	131	0.01	< 0.005	< 0.005	132
2029	0.03	0.24	0.27	1.19	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	177	177	0.01	< 0.005	0.01	178

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52.4	68.8	84.0	358	1.23	1.89	90.5	92.4	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	44.6	61.5	87.7	297	1.18	1.82	90.5	92.3	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	42.5	59.8	75.0	284	1.09	1.75	81.1	82.8	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.75	10.9	13.7	51.9	0.20	0.32	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605

Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	52.4	68.8	84.0	358	1.23	1.89	90.5	92.4	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	44.6	61.5	87.7	297	1.18	1.82	90.5	92.3	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	42.5	59.8	75.0	284	1.09	1.75	81.1	82.8	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122
Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,591	3,591	0.49	0.04	—	3,616

Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	7.75	10.9	13.7	51.9	0.20	0.32	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Area	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	52.4	68.8	84.0	358	1.23	1.89	90.5	92.4	1.82	23.1	24.9	841	143,259	144,100	92.2	8.97	13,434	162,513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Area	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	44.6	61.5	87.7	297	1.18	1.82	90.5	92.3	1.76	23.1	24.8	841	139,089	139,931	92.5	9.16	13,197	158,169
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.1	33.5	63.4	254	1.03	0.95	81.1	82.1	0.90	20.7	21.6	—	106,939	106,939	4.06	7.78	96.9	109,457
Area	3.66	25.3	0.17	20.5	< 0.005	0.04	—	0.04	0.03	—	0.03	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Energy	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	21,689	21,689	2.97	0.26	—	21,840
Water	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Waste	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Stationary	0.62	0.56	1.57	1.43	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	288	288	0.01	< 0.005	0.00	288
Total	42.5	59.8	75.0	284	1.09	1.75	81.1	82.8	1.69	20.7	22.4	841	129,546	130,387	92.1	8.85	13,287	148,614
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122
Area	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Energy	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	3,591	3,591	0.49	0.04	—	3,616
Water	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323
Waste	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184
Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Stationary	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	7.75	10.9	13.7	51.9	0.20	0.32	14.8	15.1	0.31	3.78	4.08	139	21,448	21,587	15.2	1.47	2,200	24,605

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.97	1.80	< 0.005	0.09	—	0.09	0.08	—	0.08	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	1.08	1.08	—	0.55	0.55	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.36	0.33	< 0.005	0.02	—	0.02	0.01	—	0.01	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48.0	48.0	< 0.005	< 0.005	—	48.2

Dust From Material Movement:	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement:	—	—	—	—	—	—	9.30	9.30	—	3.67	3.67	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement:	—	—	—	—	—	—	9.30	9.30	—	3.67	3.67	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.23	3.72	0.01	0.18	—	0.18	0.16	—	0.16	—	813	813	0.03	0.01	—	816
Dust From Material Movement:	—	—	—	—	—	—	1.15	1.15	—	0.45	0.45	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.38
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.77	0.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	135	135	0.01	< 0.005	—	135

Dust From Material Movement:	—	—	—	—	—	—	0.21	0.21	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.23
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.18	0.10	2.25	1.51	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	371	371	0.07	0.06	0.28	391
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.84	3.84	< 0.005	< 0.005	< 0.005	4.03
Hauling	0.17	0.09	2.35	1.56	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	374	374	0.07	0.06	0.01	394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.50
Hauling	0.02	0.01	0.28	0.19	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	45.9	45.9	0.01	0.01	0.01	48.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	8.00

3.4. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.63	3.63	—	1.43	1.43	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.63	3.63	—	1.43	1.43	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.55	4.36	0.01	0.02	—	0.02	0.02	—	0.02	—	813	813	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	0.45	0.45	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.38

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	135	135	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.23
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.18	0.10	2.25	1.51	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	371	371	0.07	0.06	0.28	391
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.84	3.84	< 0.005	< 0.005	< 0.005	4.03
Hauling	0.17	0.09	2.35	1.56	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	374	374	0.07	0.06	0.01	394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.50
Hauling	0.02	0.01	0.28	0.19	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	45.9	45.9	0.01	0.01	0.01	48.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	8.00

3.5. B-2 Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	1.56	13.8	17.3	0.03	0.57	—	0.57	0.52	—	0.52	—	2,961	2,961	0.12	0.02	—	2,971
Dust From Material Movement:	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	9.84	9.84	< 0.005	< 0.005	0.01	10.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.76	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement:	—	—	—	—	—	—	0.39	0.39	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.9	26.9	< 0.005	< 0.005	—	27.0

Dust From Material Movement:	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.01	11.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.62
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. B-2 Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.29	2.04	17.8	0.03	0.06	—	0.06	0.06	—	0.06	—	2,961	2,961	0.12	0.02	—	2,971
Dust From Material Movement:	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	9.84	9.84	< 0.005	< 0.005	0.01	10.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement:	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.9	26.9	< 0.005	< 0.005	—	27.0
Dust From Material Movement:	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.01	11.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.62
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.32	1.10	10.4	12.6	0.02	0.46	—	0.46	0.43	—	0.43	—	2,294	2,294	0.09	0.02	—	2,302

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.18	1.43	< 0.005	0.05	—	0.05	0.05	—	0.05	—	260	260	0.01	< 0.005	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.1	43.1	< 0.005	< 0.005	—	43.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.91	0.64	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	150	150	0.02	0.02	< 0.005	157
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.0	17.0	< 0.005	< 0.005	0.01	17.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.81	2.81	< 0.005	< 0.005	< 0.005	2.94
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	1.62	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	260	260	0.01	< 0.005	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	43.1	43.1	< 0.005	< 0.005	—	43.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.91	0.64	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	150	150	0.02	0.02	< 0.005	157
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.10	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.0	17.0	< 0.005	< 0.005	0.01	17.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.81	2.81	< 0.005	< 0.005	< 0.005	2.94
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.65	12.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.65	12.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,294	2,294	0.09	0.02	—	2,302

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.73	6.89	8.94	0.02	0.29	—	0.29	0.26	—	0.26	—	1,638	1,638	0.07	0.01	—	1,644	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.16	0.13	1.26	1.63	< 0.005	0.05	—	0.05	0.05	—	0.05	—	271	271	0.01	< 0.005	—	272	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.07	0.04	0.86	0.60	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	147	147	0.02	0.02	0.17	154	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.06	0.04	0.89	0.63	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	148	148	0.02	0.02	< 0.005	155	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.05	0.03	0.62	0.44	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	105	105	0.02	0.02	0.05	110	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.01	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.01	18.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.45	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,638	1,638	0.07	0.01	—	1,644
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	271	271	0.01	< 0.005	—	272

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	0.04	0.86	0.60	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	147	147	0.02	0.02	0.17	154
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.89	0.63	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	148	148	0.02	0.02	< 0.005	155
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.05	0.03	0.62	0.44	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	105	105	0.02	0.02	0.05	110
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.01	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.01	18.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	9.06	12.4	0.02	0.35	—	0.35	0.32	—	0.32	—	2,293	2,293	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	9.06	12.4	0.02	0.35	—	0.35	0.32	—	0.32	—	2,293	2,293	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.39	4.65	0.01	0.13	—	0.13	0.12	—	0.12	—	857	857	0.03	0.01	—	860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.62	0.85	< 0.005	0.02	—	0.02	0.02	—	0.02	—	142	142	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.84	0.59	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	144	144	0.02	0.02	0.15	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.88	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	145	145	0.02	0.02	< 0.005	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.02	0.01	0.32	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	54.1	54.1	0.01	0.01	0.02	56.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.95	8.95	< 0.005	< 0.005	< 0.005	9.40
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,293	2,293	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,293	2,293	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.76	5.35	0.01	0.02	—	0.02	0.02	—	0.02	—	857	857	0.03	0.01	—	860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.98	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	142	142	0.01	< 0.005	—	142
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.84	0.59	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	144	144	0.02	0.02	0.15	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.06	0.04	0.88	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	145	145	0.02	0.02	< 0.005	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.02	0.01	0.32	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	54.1	54.1	0.01	0.01	0.02	56.8

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.95	8.95	< 0.005	< 0.005	< 0.005	9.40
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. B-2 Building (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.89	8.14	12.4	0.02	0.27	—	0.27	0.25	—	0.25	—	2,294	2,294	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.89	8.14	12.4	0.02	0.27	—	0.27	0.25	—	0.25	—	2,294	2,294	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.22	1.99	3.04	0.01	0.07	—	0.07	0.06	—	0.06	—	561	561	0.02	< 0.005	—	563
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.04	0.36	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	92.9	92.9	< 0.005	< 0.005	—	93.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.12	0.07	1.56	1.11	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	267	267	0.04	0.04	0.24	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.07	1.63	1.17	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	270	270	0.04	0.04	0.01	283
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.03	0.02	0.39	0.28	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	65.6	65.6	0.01	0.01	0.02	69.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. B-2 Building (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,294	2,294	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,294	2,294	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.50	3.50	0.01	0.01	—	0.01	0.01	—	0.01	—	561	561	0.02	< 0.005	—	563
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	92.9	92.9	< 0.005	< 0.005	—	93.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.12	0.07	1.56	1.11	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	267	267	0.04	0.04	0.24	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.07	1.63	1.17	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	270	270	0.04	0.04	0.01	283
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.03	0.02	0.39	0.28	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	65.6	65.6	0.01	0.01	0.02	69.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. B-2 Building (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	0.87	7.80	12.4	0.02	0.24	—	0.24	0.23	—	0.23	—	2,293	2,293	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.04	0.87	7.80	12.4	0.02	0.24	—	0.24	0.23	—	0.23	—	2,293	2,293	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.33	3.01	4.77	0.01	0.09	—	0.09	0.09	—	0.09	—	884	884	0.04	0.01	—	887
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.55	0.87	< 0.005	0.02	—	0.02	0.02	—	0.02	—	146	146	0.01	< 0.005	—	147
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.07	1.53	1.10	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	262	262	0.04	0.04	0.21	275
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.06	1.60	1.15	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	265	265	0.04	0.04	0.01	278
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.03	0.60	0.43	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	101	101	0.01	0.02	0.03	107

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.01	17.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. B-2 Building (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,293	2,293	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,293	2,293	0.09	0.02	—	2,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.78	5.51	0.01	0.02	—	0.02	0.02	—	0.02	—	884	884	0.04	0.01	—	887
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.14	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	146	146	0.01	< 0.005	—	147
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.07	1.53	1.10	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	262	262	0.04	0.04	0.21	275
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.11	0.06	1.60	1.15	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	265	265	0.04	0.04	0.01	278
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.04	0.03	0.60	0.43	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	101	101	0.01	0.02	0.03	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.01	17.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.68	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	145
Paving	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.19	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.01	< 0.005	—	145
Paving	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. B-2 Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.67
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. B-2 Paving (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.67
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	84.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	84.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	8.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coatings	—	1.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.73	3.73	< 0.005	< 0.005	< 0.005	3.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	21.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	21.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	2.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	—	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.73	3.73	< 0.005	< 0.005	< 0.005	3.91
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. B-2 Arch Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	87.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.67
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. B-2 Arch Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	21.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.67
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500
User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010
Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217

Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714

User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309
Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.9	17.8	9.41	165	0.51	0.23	51.4	51.7	0.21	13.0	13.2	—	51,095	51,095	1.42	1.22	102	51,596
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.97	0.90	30.3	14.8	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,253	27,253	0.98	3.92	55.5	28,500
User Defined Commercial	0.83	0.38	12.8	6.22	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,484	11,484	0.41	1.65	23.4	12,010
Hotel	4.96	4.58	2.77	31.2	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	8,098	8,098	0.37	0.31	17.7	8,217
Quality Restaurant	12.7	11.8	7.13	80.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	20,824	20,824	0.95	0.79	45.5	21,129
Total	39.4	35.4	62.3	297	1.15	1.01	90.5	91.5	0.95	23.1	24.0	—	118,753	118,753	4.12	7.89	244	121,452

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	18.8	17.7	10.8	151	0.48	0.23	51.4	51.7	0.21	13.0	13.2	—	48,355	48,355	1.59	1.34	2.65	48,797
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.92	0.86	31.4	14.9	0.25	0.41	8.75	9.17	0.39	2.35	2.74	—	27,266	27,266	0.98	3.92	1.44	28,461
User Defined Commercial	0.81	0.36	13.2	6.28	0.11	0.17	3.69	3.86	0.17	0.99	1.16	—	11,489	11,489	0.41	1.65	0.61	11,993
Hotel	4.89	4.50	3.05	29.7	0.08	0.05	7.45	7.50	0.05	1.89	1.94	—	7,740	7,740	0.39	0.33	0.46	7,848
Quality Restaurant	12.6	11.6	7.83	76.3	0.20	0.14	19.2	19.3	0.13	4.86	4.99	—	19,904	19,904	1.01	0.84	1.18	20,181
Total	39.0	35.0	66.4	279	1.11	1.01	90.5	91.5	0.95	23.1	24.0	—	114,755	114,755	4.37	8.08	6.33	117,279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.39	3.19	1.93	27.6	0.09	0.04	9.26	9.30	0.04	2.34	2.38	—	8,075	8,075	0.25	0.22	7.30	8,153
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.35	0.16	5.71	2.70	0.05	0.08	1.58	1.66	0.07	0.42	0.50	—	4,513	4,513	0.16	0.65	3.97	4,714
User Defined Commercial	0.15	0.07	2.41	1.14	0.02	0.03	0.67	0.70	0.03	0.18	0.21	—	1,902	1,902	0.07	0.27	1.67	1,987
Hotel	0.88	0.81	0.55	5.40	0.01	0.01	1.34	1.35	0.01	0.34	0.35	—	1,290	1,290	0.06	0.05	1.27	1,309

Quality Restaurant	2.00	1.88	0.98	9.48	0.02	0.02	1.96	1.97	0.01	0.50	0.51	—	1,925	1,925	0.13	0.09	1.85	1,958
Total	6.78	6.11	11.6	46.4	0.19	0.17	14.8	15.0	0.16	3.78	3.94	—	17,705	17,705	0.67	1.29	16.1	18,122

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefined	—	—	—	—	—	—	—	—	—	—	—	—	260	260	0.05	0.01	—	263
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,644	1,644	0.32	0.04	—	1,664

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603

undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	6,250	6,250	1.22	0.15	—	6,325
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	127	127	0.02	< 0.005	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,387	1,387	0.27	0.03	—	1,404
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	596	596	0.12	0.01	—	603
undefined	—	—	—	—	—	—	—	—	—	—	—	—	1,571	1,571	0.31	0.04	—	1,589
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,931	9,931	1.93	0.23	—	10,049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,035	1,035	0.20	0.02	—	1,047
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.0	21.0	< 0.005	< 0.005	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.04	0.01	—	232
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	98.7	98.7	0.02	< 0.005	—	99.8
undefined	—	—	—	—	—	—	—	—	—	—	—	—	260	260	0.05	0.01	—	263
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,644	1,644	0.32	0.04	—	1,664

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616

Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599
Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.63	0.32	5.75	4.83	0.03	0.44	—	0.44	0.44	—	0.44	—	6,856	6,856	0.61	0.01	—	6,875
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.33	0.17	3.02	2.54	0.02	0.23	—	0.23	0.23	—	0.23	—	3,606	3,606	0.32	0.01	—	3,616
Quality Restaurant	0.12	0.06	1.09	0.91	0.01	0.08	—	0.08	0.08	—	0.08	—	1,297	1,297	0.11	< 0.005	—	1,300
Total	1.08	0.54	9.85	8.28	0.06	0.75	—	0.75	0.75	—	0.75	—	11,758	11,758	1.04	0.02	—	11,791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.12	0.06	1.05	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,135	1,135	0.10	< 0.005	—	1,138
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	597	597	0.05	< 0.005	—	599

Quality Restaurant	0.02	0.01	0.20	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	215	215	0.02	< 0.005	—	215
Total	0.20	0.10	1.80	1.51	0.01	0.14	—	0.14	0.14	—	0.14	—	1,947	1,947	0.17	< 0.005	—	1,952

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.42	6.85	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Total	7.42	28.7	0.35	41.7	< 0.005	0.07	—	0.07	0.06	—	0.06	—	171	171	0.01	< 0.005	—	172
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Architectural Coatings	—	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Consumer Products	—	3.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Landscape Equipment	0.67	0.62	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Total	0.67	4.61	0.03	3.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.0	14.0	< 0.005	< 0.005	—	14.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	296	496	792	30.4	0.73	—	1,772
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.51	15.2	23.7	0.88	0.02	—	51.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	20.9	35.3	56.2	2.15	0.05	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	325	547	872	33.5	0.81	—	1,949
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	49.0	82.1	131	5.04	0.12	—	293

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	1.41	2.51	3.92	0.14	< 0.005	—	8.58
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	3.47	5.85	9.31	0.36	0.01	—	20.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.9	90.5	144	5.54	0.13	—	323

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.6	0.00	—	1,562
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	51.6	0.00	51.6	5.16	0.00	—	181
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	17.7	0.00	17.7	1.77	0.00	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	516	0.00	516	51.5	0.00	—	1,804
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	73.9	0.00	73.9	7.39	0.00	—	259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	8.55	0.00	8.55	0.85	0.00	—	29.9
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.93	0.00	2.93	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	85.4	0.00	85.4	8.53	0.00	—	299

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12,737	12,737

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	397	397
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13,190	13,190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,109	2,109
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.32	9.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,184	2,184

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Total	4.51	4.10	11.5	10.5	0.02	0.06	0.00	0.06	0.06	0.00	0.06	0.00	2,099	2,099	0.08	0.02	0.00	2,106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergen Generator	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8
Total	0.11	0.10	0.29	0.26	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	47.6	47.6	< 0.005	< 0.005	0.00	47.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	8/5/2024	8/30/2024	5.00	20.0	B-1
Grading	Grading	9/2/2024	11/1/2024	5.00	45.0	B-1

B-2 Grading	Grading	8/1/2028	8/28/2028	5.00	20.0	B-2 Grading
Building Construction	Building Construction	11/4/2024	7/10/2026	5.00	440	B-1
B-2 Building	Building Construction	8/29/2028	7/16/2029	5.00	230	B-2
Paving	Paving	7/13/2026	8/28/2026	5.00	35.0	B-1
B-2 Paving	Paving	7/17/2029	8/13/2029	5.00	20.0	B-2
Architectural Coating	Architectural Coating	8/31/2026	10/16/2026	5.00	35.0	B-1
B-2 Arch Coating	Architectural Coating	8/14/2029	9/10/2029	5.00	20.0	B-2

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
B-2 Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
B-2 Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
B-2 Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
B-2 Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74

Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
B-2 Building	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
B-2 Building	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
B-2 Building	Cranes	Diesel	Average	1.00	7.00	367	0.29
B-2 Building	Welders	Diesel	Average	1.00	8.00	46.0	0.45
B-2 Building	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
B-2 Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
B-2 Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
B-2 Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
B-2 Arch Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48

Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
B-2 Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
B-2 Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
B-2 Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
B-2 Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
B-2 Building	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
B-2 Building	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
B-2 Building	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
B-2 Building	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
B-2 Building	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
B-2 Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
B-2 Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
B-2 Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
B-2 Arch Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.25	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
Grading	Vendor	2.00	0.25	HHDT,MHDT
Grading	Hauling	140	0.25	HHDT
Grading	Onsite truck	4.00	0.25	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	78.0	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

B-2 Grading	—	—	—	—
B-2 Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Grading	Vendor	6.00	0.25	HHDT,MHDT
B-2 Grading	Hauling	0.00	20.0	HHDT
B-2 Grading	Onsite truck	4.00	0.25	HHDT
B-2 Building	—	—	—	—
B-2 Building	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Building	Vendor	150	0.25	HHDT,MHDT
B-2 Building	Hauling	0.00	20.0	HHDT
B-2 Building	Onsite truck	0.00	—	HHDT
B-2 Paving	—	—	—	—
B-2 Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Paving	Vendor	2.00	0.25	HHDT,MHDT
B-2 Paving	Hauling	0.00	20.0	HHDT
B-2 Paving	Onsite truck	0.00	—	HHDT
B-2 Arch Coating	—	—	—	—
B-2 Arch Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Arch Coating	Vendor	2.00	0.25	HHDT,MHDT
B-2 Arch Coating	Hauling	0.00	20.0	HHDT
B-2 Arch Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT

Site Preparation	Onsite truck	4.00	0.25	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
Grading	Vendor	2.00	0.25	HHDT,MHDT
Grading	Hauling	140	0.25	HHDT
Grading	Onsite truck	4.00	0.25	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	78.0	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
B-2 Grading	—	—	—	—
B-2 Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Grading	Vendor	6.00	0.25	HHDT,MHDT
B-2 Grading	Hauling	0.00	20.0	HHDT
B-2 Grading	Onsite truck	4.00	0.25	HHDT
B-2 Building	—	—	—	—

B-2 Building	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Building	Vendor	150	0.25	HHDT,MHDT
B-2 Building	Hauling	0.00	20.0	HHDT
B-2 Building	Onsite truck	0.00	—	HHDT
B-2 Paving	—	—	—	—
B-2 Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Paving	Vendor	2.00	0.25	HHDT,MHDT
B-2 Paving	Hauling	0.00	20.0	HHDT
B-2 Paving	Onsite truck	0.00	—	HHDT
B-2 Arch Coating	—	—	—	—
B-2 Arch Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
B-2 Arch Coating	Vendor	2.00	0.25	HHDT,MHDT
B-2 Arch Coating	Hauling	0.00	20.0	HHDT
B-2 Arch Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	905,601	301,867	37,501

B-2 Arch Coating	0.00	0.00	531,549	177,183	22,011
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5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	30.0	0.00	—
Grading	50,000	0.00	135	0.00	—
B-2 Grading	0.00	0.00	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	22.8
B-2 Paving	0.00	0.00	0.00	0.00	22.8

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Parking Lot	7.14	100%
Other Asphalt Surfaces	15.6	100%
User Defined Industrial	0.00	0%
Industrial Park	0.00	0%
User Defined Commercial	0.00	0%
Hotel	0.00	0%
Quality Restaurant	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	61.8	540	0.03	< 0.005
2025	61.8	540	0.03	< 0.005
2026	141	45.1	0.03	< 0.005
2028	61.8	45.1	0.03	< 0.005
2029	141	45.1	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014
Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	6,886	6,886	6,886	2,513,208	51,879	51,879	51,879	18,935,858
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	636	636	636	232,140	9,915	9,915	9,915	3,619,063
Industrial Park	2,901	2,901	2,901	1,058,756	21,855	21,855	21,855	7,977,234
User Defined Commercial	268	268	268	97,820	4,178	4,178	4,178	1,525,014
Hotel	1,400	1,400	1,400	511,000	10,548	10,548	10,548	3,850,149
Quality Restaurant	3,600	3,600	3,600	1,314,000	10,714	27,124	27,124	5,621,877

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,437,150	479,050	59,512

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00
Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	9,462,501	170	0.0330	0.0040	15,050,822
Parking Lot	272,452	170	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	170	0.0330	0.0040	0.00
User Defined Industrial	0.00	170	0.0330	0.0040	0.00
Industrial Park	3,986,330	170	0.0330	0.0040	6,340,559
User Defined Commercial	0.00	170	0.0330	0.0040	0.00

Hotel	2,985,252	170	0.0330	0.0040	11,250,158
Quality Restaurant	1,282,420	170	0.0330	0.0040	4,046,609

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	108,687,500	2,092,183
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Industrial Park	45,787,500	896,650
User Defined Commercial	0.00	0.00
Hotel	4,439,185	448,325
Quality Restaurant	10,927,214	298,883

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	583	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Industrial Park	246	—
User Defined Commercial	0.00	—
Hotel	95.8	—
Quality Restaurant	32.9	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	3,922	0.30	7.50	7.50	25.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	80.0	8.00	82.0	0.20
Other General Industrial Equipment	Electric	Average	3.00	8.00	200	0.40

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	80.0	8.00	82.0	0.20
Other General Industrial Equipment	Electric	Average	3.00	8.00	200	0.40

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	5.00	1.00	50.0	500	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	8.90	annual days of extreme heat
Extreme Precipitation	1.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	1.40	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A

Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	24.9
AQ-PM	53.2
AQ-DPM	77.6
Drinking Water	33.4
Lead Risk Housing	90.7
Pesticides	0.00
Toxic Releases	61.0
Traffic	72.8
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	96.4
Haz Waste Facilities/Generators	92.7
Impaired Water Bodies	66.7
Solid Waste	37.6
Sensitive Population	—
Asthma	50.4
Cardio-vascular	24.9
Low Birth Weights	27.9
Socioeconomic Factor Indicators	—
Education	88.8
Housing	73.7
Linguistic	86.3
Poverty	79.5

Unemployment	97.1
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7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	35.32657513
Employed	19.64583601
Median HI	25.33042474
Education	—
Bachelor's or higher	14.74400103
High school enrollment	7.86603362
Preschool enrollment	42.55100731
Transportation	—
Auto Access	16.36083665
Active commuting	76.97934043
Social	—
2-parent households	43.85987425
Voting	26.81894007
Neighborhood	—
Alcohol availability	28.25612729
Park access	41.30630053
Retail density	50.50686514
Supermarket access	28.07647889
Tree canopy	4.542538175
Housing	—
Homeownership	22.34056204

Housing habitability	31.73360708
Low-inc homeowner severe housing cost burden	57.55164892
Low-inc renter severe housing cost burden	30.77120493
Uncrowded housing	27.15257282
Health Outcomes	—
Insured adults	32.31104838
Arthritis	32.9
Asthma ER Admissions	42.5
High Blood Pressure	44.4
Cancer (excluding skin)	55.0
Asthma	40.2
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	16.2
Life Expectancy at Birth	27.3
Cognitively Disabled	39.7
Physically Disabled	46.5
Heart Attack ER Admissions	61.8
Mental Health Not Good	30.2
Chronic Kidney Disease	7.4
Obesity	29.3
Pedestrian Injuries	84.2
Physical Health Not Good	27.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	47.1
Current Smoker	40.0

No Leisure Time for Physical Activity	23.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	79.5
Children	25.4
Elderly	66.3
English Speaking	8.0
Foreign-born	70.7
Outdoor Workers	15.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	10.7
Traffic Density	76.1
Traffic Access	73.1
Other Indices	—
Hardship	79.4
Other Decision Support	—
2016 Voting	47.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	22.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Total project site = 44.78 acres. Planning Area B-1 is 26.13 acres. Planning Area B-2 is 9.36 acres. Total acreage graded per applicant is 36.6 acres. Equipment adjusted to reflect 36.6 acres graded. Other asphalt = additional onsite circulation, parking, etc. User Defined Industrial = trucks for PA B-1. User Defined Commercial = trucks for PA A.
Construction: Construction Phases	No demolition. No construction for Planning Area A.
Construction: Trips and VMT	Even number of trips. Added vendor trips to non-building construction phases. Included onsite water truck for site prep and grading. Removed passenger vehicles. Reduced trip length to 0.25 miles for onsite DPM.
Construction: Off-Road Equipment	Based on default equipment mix for acreage for each Planning Area. Electric hook-ups and air compressors.
Operations: Vehicle Data	Based on Mizuta Traffic Consulting Local Mobility Analysis and weighted truck trip length from EMFAC regional data
Operations: Fleet Mix	Fleet Mix adjusted to reflect passenger cars and trucks being separated for Industrial Business Park with commercial uses.
Operations: Energy Use	Electricity energy use increased to reflect potential refrigeration. Natural gas usage kept at defaults because refrigeration used less natural gas.
Operations: Refrigerants	Refrigeration adjusted for Industrial Business Park Use to match Unrefrigerated Warehouse use to provide flexibility of uses.
Operations: Off-Road Equipment	Added potential offroad equipment for material handling per SCAQMD 2014 survey. 80 forklifts and 3 yard trucks. Mitigation requires all-electric cargo handling equipment.
Operations: Emergency Generators and Fire Pumps	1 per building

Operations: Generators + Pumps EF

Tier 4

Existing Land Uses Rohr Wohl Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Existing Land Uses Rohr Wohl
Operational Year	2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	21.0
Location	32.630006901060355, -117.10051318148572
County	San Diego
City	Chula Vista
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6615
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Manufacturing	767	1000sqft	17.6	766,837	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	231	1000sqft	5.31	231,174	0.00	—	—	—
Other Asphalt Surfaces	21.9	Acre	21.9	0.00	0.00	—	—	—
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.2	49.7	65.9	201	0.35	3.56	17.5	21.0	3.33	4.43	7.76	1,072	58,162	59,234	112	2.21	291	62,977
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.1	42.2	66.6	153	0.34	3.49	17.5	21.0	3.27	4.43	7.70	1,072	57,004	58,076	112	2.26	202	61,748
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.7	45.5	66.6	174	0.35	3.53	17.2	20.8	3.30	4.37	7.67	1,072	57,240	58,312	112	2.25	239	62,017
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.69	8.30	12.2	31.7	0.06	0.64	3.15	3.79	0.60	0.80	1.40	177	9,477	9,654	18.5	0.37	39.6	10,268

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.6	14.4	10.7	101	0.22	0.18	17.5	17.7	0.17	4.43	4.61	—	22,128	22,128	1.16	0.92	91.8	22,522
Area	7.71	29.9	0.37	43.4	< 0.005	0.08	—	0.08	0.06	—	0.06	—	178	178	0.01	< 0.005	—	179
Energy	1.01	0.51	9.22	7.75	0.06	0.70	—	0.70	0.70	—	0.70	—	24,894	24,894	1.82	0.12	—	24,976
Water	—	—	—	—	—	—	—	—	—	—	—	442	2,324	2,766	45.5	1.09	—	4,229
Waste	—	—	—	—	—	—	—	—	—	—	—	630	0.00	630	62.9	0.00	—	2,203
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	200	200
Off-Road	5.83	4.90	45.6	49.1	0.08	2.60	—	2.60	2.39	—	2.39	—	8,638	8,638	0.35	0.07	—	8,668
Total	30.2	49.7	65.9	201	0.35	3.56	17.5	21.0	3.33	4.43	7.76	1,072	58,162	59,234	112	2.21	291	62,977
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.2	14.0	11.7	96.0	0.21	0.18	17.5	17.7	0.17	4.43	4.61	—	21,148	21,148	1.24	0.97	2.38	21,472
Area	—	22.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	1.01	0.51	9.22	7.75	0.06	0.70	—	0.70	0.70	—	0.70	—	24,894	24,894	1.82	0.12	—	24,976
Water	—	—	—	—	—	—	—	—	—	—	—	442	2,324	2,766	45.5	1.09	—	4,229
Waste	—	—	—	—	—	—	—	—	—	—	—	630	0.00	630	62.9	0.00	—	2,203
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	200	200
Off-Road	5.83	4.90	45.6	49.1	0.08	2.60	—	2.60	2.39	—	2.39	—	8,638	8,638	0.35	0.07	—	8,668
Total	22.1	42.2	66.6	153	0.34	3.49	17.5	21.0	3.27	4.43	7.70	1,072	57,004	58,076	112	2.26	202	61,748
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.1	13.8	11.6	95.6	0.21	0.18	17.2	17.4	0.17	4.37	4.55	—	21,296	21,296	1.22	0.96	39.6	21,653
Area	3.80	26.3	0.18	21.4	< 0.005	0.04	—	0.04	0.03	—	0.03	—	88.0	88.0	< 0.005	< 0.005	—	88.3

Energy	1.01	0.51	9.22	7.75	0.06	0.70	—	0.70	0.70	—	0.70	—	24,894	24,894	1.82	0.12	—	24,976
Water	—	—	—	—	—	—	—	—	—	—	—	442	2,324	2,766	45.5	1.09	—	4,229
Waste	—	—	—	—	—	—	—	—	—	—	—	630	0.00	630	62.9	0.00	—	2,203
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	200	200
Off-Road	5.83	4.90	45.6	49.1	0.08	2.60	—	2.60	2.39	—	2.39	—	8,638	8,638	0.35	0.07	—	8,668
Total	25.7	45.5	66.6	174	0.35	3.53	17.2	20.8	3.30	4.37	7.67	1,072	57,240	58,312	112	2.25	239	62,017
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.75	2.52	2.11	17.4	0.04	0.03	3.15	3.18	0.03	0.80	0.83	—	3,526	3,526	0.20	0.16	6.56	3,585
Area	0.69	4.80	0.03	3.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Energy	0.19	0.09	1.68	1.41	0.01	0.13	—	0.13	0.13	—	0.13	—	4,121	4,121	0.30	0.02	—	4,135
Water	—	—	—	—	—	—	—	—	—	—	—	73.2	385	458	7.53	0.18	—	700
Waste	—	—	—	—	—	—	—	—	—	—	—	104	0.00	104	10.4	0.00	—	365
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.0	33.0
Off-Road	1.06	0.89	8.33	8.97	0.01	0.47	—	0.47	0.44	—	0.44	—	1,430	1,430	0.06	0.01	—	1,435
Total	4.69	8.30	12.2	31.7	0.06	0.64	3.15	3.79	0.60	0.80	1.40	177	9,477	9,654	18.5	0.37	39.6	10,268

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	15.0	13.8	9.70	95.1	0.20	0.17	16.3	16.5	0.16	4.14	4.30	—	20,525	20,525	1.09	0.83	85.4	20,885

Unrefrige Warehouse-No Rail	0.03	0.01	0.41	0.20	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	265	265	0.01	0.04	0.70	278
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.61	0.55	0.56	5.60	0.01	0.01	1.08	1.09	0.01	0.27	0.28	—	1,338	1,338	0.06	0.05	5.65	1,359
Total	15.6	14.4	10.7	101	0.22	0.18	17.5	17.7	0.17	4.43	4.61	—	22,128	22,128	1.16	0.92	91.8	22,522
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	14.6	13.4	10.7	90.7	0.19	0.17	16.3	16.5	0.16	4.14	4.30	—	19,606	19,606	1.17	0.89	2.21	19,901
Unrefrigerated Warehouse-No Rail	0.03	0.01	0.42	0.20	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	265	265	0.01	0.04	0.02	277
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.60	0.53	0.62	5.10	0.01	0.01	1.08	1.09	0.01	0.27	0.28	—	1,277	1,277	0.06	0.05	0.15	1,293
Total	15.2	14.0	11.7	96.0	0.21	0.18	17.5	17.7	0.17	4.43	4.61	—	21,148	21,148	1.24	0.97	2.38	21,472
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	2.63	2.42	1.92	16.5	0.04	0.03	2.94	2.97	0.03	0.75	0.77	—	3,269	3,269	0.19	0.14	6.11	3,323
Unrefrigerated Warehouse-No Rail	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.9	43.9	< 0.005	0.01	0.05	45.9

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.11	0.10	0.11	0.94	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	213	213	0.01	0.01	0.40	216	
Total	2.75	2.52	2.11	17.4	0.04	0.03	3.15	3.18	0.03	0.80	0.83	—	3,526	3,526	0.20	0.16	6.56	3,585	

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	10,178	10,178	0.62	0.08	—	10,216	
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,491	1,491	0.09	0.01	—	1,496	
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00	
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00	
undefined	—	—	—	—	—	—	—	—	—	—	—	—	2,218	2,218	0.14	0.02	—	2,227	
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,887	13,887	0.85	0.10	—	13,939	

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	10,178	10,178	0.62	0.08	—	10,216
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,491	1,491	0.09	0.01	—	1,496
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	2,218	2,218	0.14	0.02	—	2,227
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,887	13,887	0.85	0.10	—	13,939
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1,685	1,685	0.10	0.01	—	1,691
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	247	247	0.02	< 0.005	—	248
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	367	367	0.02	< 0.005	—	369
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,299	2,299	0.14	0.02	—	2,308

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.91	0.46	8.31	6.98	0.05	0.63	—	0.63	0.63	—	0.63	—	9,920	9,920	0.88	0.02	—	9,947
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.91	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	1,087	1,087	0.10	< 0.005	—	1,090
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.01	0.51	9.22	7.75	0.06	0.70	—	0.70	0.70	—	0.70	—	11,007	11,007	0.97	0.02	—	11,037
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.91	0.46	8.31	6.98	0.05	0.63	—	0.63	0.63	—	0.63	—	9,920	9,920	0.88	0.02	—	9,947
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.91	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	1,087	1,087	0.10	< 0.005	—	1,090
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.01	0.51	9.22	7.75	0.06	0.70	—	0.70	0.70	—	0.70	—	11,007	11,007	0.97	0.02	—	11,037
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.17	0.08	1.52	1.27	0.01	0.12	—	0.12	0.12	—	0.12	—	1,642	1,642	0.15	< 0.005	—	1,647
Unrefrigerated Warehouse-No Rail	0.02	0.01	0.17	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	180	180	0.02	< 0.005	—	180
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.19	0.09	1.68	1.41	0.01	0.13	—	0.13	0.13	—	0.13	—	1,822	1,822	0.16	< 0.005	—	1,827

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	21.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	7.71	7.11	0.37	43.4	< 0.005	0.08	—	0.08	0.06	—	0.06	—	178	178	0.01	< 0.005	—	179
Total	7.71	29.9	0.37	43.4	< 0.005	0.08	—	0.08	0.06	—	0.06	—	178	178	0.01	< 0.005	—	179
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	21.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	22.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.69	0.64	0.03	3.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.6	14.6	< 0.005	< 0.005	—	14.6
Total	0.69	4.80	0.03	3.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	14.6	14.6	< 0.005	< 0.005	—	14.6

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	340	1,786	2,125	35.0	0.84	—	3,250	
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	102	538	641	10.5	0.25	—	980	
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
Total	—	—	—	—	—	—	—	—	—	—	—	442	2,324	2,766	45.5	1.09	—	4,229	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	340	1,786	2,125	35.0	0.84	—	3,250	
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	102	538	641	10.5	0.25	—	980	
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00	
Total	—	—	—	—	—	—	—	—	—	—	—	442	2,324	2,766	45.5	1.09	—	4,229	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Manufacturing	—	—	—	—	—	—	—	—	—	—	—	56.3	296	352	5.79	0.14	—	538
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	17.0	89.1	106	1.74	0.04	—	162
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	73.2	385	458	7.53	0.18	—	700

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	512	0.00	512	51.2	0.00	—	1,793
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	117	0.00	117	11.7	0.00	—	410
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	630	0.00	630	62.9	0.00	—	2,203
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	512	0.00	512	51.2	0.00	—	1,793
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	117	0.00	117	11.7	0.00	—	410
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	630	0.00	630	62.9	0.00	—	2,203
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	84.8	0.00	84.8	8.48	0.00	—	297
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	67.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	104	0.00	104	10.4	0.00	—	365

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	200	200
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	200	200
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	200	200
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	200	200
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.0	33.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.0	33.0

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	4.58	3.84	36.2	44.1	0.06	2.22	—	2.22	2.04	—	2.04	—	6,403	6,403	0.26	0.05	—	6,425
Other Material Handling Equipment	1.25	1.05	9.41	5.02	0.02	0.39	—	0.39	0.35	—	0.35	—	2,235	2,235	0.09	0.02	—	2,243
Total	5.83	4.90	45.6	49.1	0.08	2.60	—	2.60	2.39	—	2.39	—	8,638	8,638	0.35	0.07	—	8,668
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	4.58	3.84	36.2	44.1	0.06	2.22	—	2.22	2.04	—	2.04	—	6,403	6,403	0.26	0.05	—	6,425
Other Material Handling Equipment	1.25	1.05	9.41	5.02	0.02	0.39	—	0.39	0.35	—	0.35	—	2,235	2,235	0.09	0.02	—	2,243
Total	5.83	4.90	45.6	49.1	0.08	2.60	—	2.60	2.39	—	2.39	—	8,638	8,638	0.35	0.07	—	8,668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.84	0.70	6.61	8.05	0.01	0.40	—	0.40	0.37	—	0.37	—	1,060	1,060	0.04	0.01	—	1,064
Other Material Handling Equipment	0.23	0.19	1.72	0.92	< 0.005	0.07	—	0.07	0.06	—	0.06	—	370	370	0.02	< 0.005	—	371
Total	1.06	0.89	8.33	8.97	0.01	0.47	—	0.47	0.44	—	0.44	—	1,430	1,430	0.06	0.01	—	1,435

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Manufacturing	3,067	3,067	3,067	1,119,582	23,111	23,111	23,111	8,435,533
Unrefrigerated Warehouse-No Rail	1,059	1,059	1,059	386,454	7,977	7,977	7,977	2,911,749
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	98.0	98.0	98.0	35,770	1,528	1,528	1,528	557,654

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
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0	0.00	1,497,017	499,006	57,186
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5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	6,881,150	540	0.0330	0.0040	30,952,807
Unrefrigerated Warehouse-No Rail	1,007,909	540	0.0330	0.0040	3,390,658
Other Asphalt Surfaces	0.00	540	0.0330	0.0040	0.00
User Defined Industrial	0.00	540	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	177,331,056	0.00
Unrefrigerated Warehouse-No Rail	53,458,988	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Manufacturing	951	—
Unrefrigerated Warehouse-No Rail	217	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	14.0	24.0	82.0	0.20
Forklifts	Electric	Average	14.0	24.0	82.0	0.20
Other Material Handling Equipment	Diesel	Average	1.00	24.0	200	0.40

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	8.90	annual days of extreme heat
Extreme Precipitation	1.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	1.40	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	N/A
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The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	24.9
AQ-PM	53.2
AQ-DPM	77.6
Drinking Water	33.4
Lead Risk Housing	90.7
Pesticides	0.00
Toxic Releases	61.0
Traffic	72.8
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	96.4
Haz Waste Facilities/Generators	92.7
Impaired Water Bodies	66.7
Solid Waste	37.6
Sensitive Population	—
Asthma	50.4
Cardio-vascular	24.9
Low Birth Weights	27.9
Socioeconomic Factor Indicators	—
Education	88.8
Housing	73.7
Linguistic	86.3
Poverty	79.5
Unemployment	97.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	35.32657513
Employed	19.64583601
Median HI	25.33042474
Education	—
Bachelor's or higher	14.74400103
High school enrollment	7.86603362
Preschool enrollment	42.55100731
Transportation	—
Auto Access	16.36083665
Active commuting	76.97934043
Social	—
2-parent households	43.85987425
Voting	26.81894007
Neighborhood	—
Alcohol availability	28.25612729
Park access	41.30630053
Retail density	50.50686514
Supermarket access	28.07647889
Tree canopy	4.542538175
Housing	—
Homeownership	22.34056204
Housing habitability	31.73360708
Low-inc homeowner severe housing cost burden	57.55164892
Low-inc renter severe housing cost burden	30.77120493
Uncrowded housing	27.15257282

Health Outcomes	—
Insured adults	32.31104838
Arthritis	32.9
Asthma ER Admissions	42.5
High Blood Pressure	44.4
Cancer (excluding skin)	55.0
Asthma	40.2
Coronary Heart Disease	21.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	16.2
Life Expectancy at Birth	27.3
Cognitively Disabled	39.7
Physically Disabled	46.5
Heart Attack ER Admissions	61.8
Mental Health Not Good	30.2
Chronic Kidney Disease	7.4
Obesity	29.3
Pedestrian Injuries	84.2
Physical Health Not Good	27.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	47.1
Current Smoker	40.0
No Leisure Time for Physical Activity	23.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	79.5

Children	25.4
Elderly	66.3
English Speaking	8.0
Foreign-born	70.7
Outdoor Workers	15.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	10.7
Traffic Density	76.1
Traffic Access	73.1
Other Indices	—
Hardship	79.4
Other Decision Support	—
2016 Voting	47.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	22.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Operations: Vehicle Data	Existing trips. Adjusted truck trips for existing warehouse based on percentages used for proposed project.
Operations: Fleet Mix	Adjusted fleet mix for warehouses to account for same truck percentage split as proposed project.
Operations: Off-Road Equipment	Based on SCAQMD 2014 Survey

Appendix B

HRA Output Files

- Construction AERMOD Output
- Construction AERMOD Summary
- Operations AERMOD Output
- Operations AERMOD Summary

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** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 9/28/2023
** File: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Rohr Wohl
Construction\Rohr Wohl Construction.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Rohr Wohl Constru
  MODELOPT DFAULT CONC
  AVERTIME 1 PERIOD
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Rohr Wohl Construction.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Offroad Equipment and Trucks
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 10.00
** SZINIT = 4.65
** Nodes = 70
** 490389.337, 3610374.832, 2.62, 5.00, 4.65
** 490490.083, 3610046.621, 3.14, 5.00, 4.65
** 490833.248, 3610157.599, 3.98, 5.00, 4.65
** 490715.974, 3610492.106, 4.68, 5.00, 4.65

```

** 490399.569, 3610387.425, 2.60, 5.00, 4.65
** 490497.953, 3610067.872, 2.86, 5.00, 4.65
** 490815.145, 3610169.405, 3.78, 5.00, 4.65
** 490704.954, 3610474.790, 4.50, 5.00, 4.65
** 490421.607, 3610383.489, 2.49, 5.00, 4.65
** 490509.760, 3610089.910, 2.90, 5.00, 4.65
** 490794.681, 3610182.785, 3.63, 5.00, 4.65
** 490693.148, 3610459.049, 3.84, 5.00, 4.65
** 490442.858, 3610377.980, 2.52, 5.00, 4.65
** 490521.880, 3610108.878, 2.74, 5.00, 4.65
** 490774.100, 3610193.174, 3.63, 5.00, 4.65
** 490676.423, 3610434.020, 3.70, 5.00, 4.65
** 490460.331, 3610369.126, 2.54, 5.00, 4.65
** 490534.591, 3610126.941, 2.71, 5.00, 4.65
** 490750.684, 3610198.526, 3.63, 5.00, 4.65
** 490660.367, 3610415.957, 3.69, 5.00, 4.65
** 490478.394, 3610361.097, 2.57, 5.00, 4.65
** 490543.958, 3610146.343, 2.84, 5.00, 4.65
** 490723.923, 3610204.547, 3.63, 5.00, 4.65
** 490648.324, 3610401.238, 3.68, 5.00, 4.65
** 490493.112, 3610354.407, 2.75, 5.00, 4.65
** 490551.986, 3610163.737, 2.81, 5.00, 4.65
** 490705.860, 3610216.590, 3.67, 5.00, 4.65
** 490639.627, 3610387.189, 3.61, 5.00, 4.65
** 490507.162, 3610346.379, 2.79, 5.00, 4.65
** 490556.669, 3610183.139, 2.95, 5.00, 4.65
** 490689.803, 3610225.956, 3.58, 5.00, 4.65
** 490634.979, 3610369.949, 3.60, 5.00, 4.65
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** 490677.032, 3610233.156, 3.60, 5.00, 4.65
** 490627.698, 3610360.772, 3.58, 5.00, 4.65
** 490529.912, 3610330.738, 3.07, 5.00, 4.65
** 490567.630, 3610204.664, 3.00, 5.00, 4.65
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** 490620.714, 3610351.343, 3.54, 5.00, 4.65
** 490543.183, 3610324.452, 3.12, 5.00, 4.65
** 490576.361, 3610217.236, 3.12, 5.00, 4.65
** 490652.145, 3610244.826, 3.47, 5.00, 4.65
** 490617.550, 3610340.636, 3.48, 5.00, 4.65
** 490552.451, 3610319.945, 3.13, 5.00, 4.65
** 490582.225, 3610226.837, 3.14, 5.00, 4.65
** 490644.549, 3610248.789, 3.25, 5.00, 4.65
** 490614.775, 3610335.084, 3.45, 5.00, 4.65
** 490558.759, 3610316.917, 3.13, 5.00, 4.65
** 490585.757, 3610233.397, 3.14, 5.00, 4.65
** 490637.989, 3610251.817, 3.27, 5.00, 4.65
** 490611.242, 3610327.515, 3.40, 5.00, 4.65
** 490567.085, 3610312.375, 3.16, 5.00, 4.65
** 490589.542, 3610239.706, 3.14, 5.00, 4.65

** 490631.681, 3610257.368, 3.28, 5.00, 4.65
 ** 490607.962, 3610321.207, 3.40, 5.00, 4.65
 ** 490572.132, 3610308.338, 3.20, 5.00, 4.65
 ** 490593.075, 3610248.285, 3.14, 5.00, 4.65
 ** 490625.372, 3610260.396, 3.28, 5.00, 4.65
 ** 490603.925, 3610316.917, 3.39, 5.00, 4.65
 ** 490578.692, 3610308.086, 3.22, 5.00, 4.65
 ** 490594.841, 3610256.864, 3.19, 5.00, 4.65
 ** 490619.064, 3610264.433, 3.24, 5.00, 4.65
 ** 490601.149, 3610309.600, 3.36, 5.00, 4.65
 ** 490585.505, 3610304.048, 3.18, 5.00, 4.65
 ** 490598.121, 3610264.686, 3.20, 5.00, 4.65
 ** 490611.999, 3610269.480, 3.23, 5.00, 4.65
 ** 490599.383, 3610304.553, 3.27, 5.00, 4.65
 ** 490592.570, 3610302.534, 3.21, 5.00, 4.65
 ** 490602.411, 3610271.751, 3.22, 5.00, 4.65

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LOCATION L0000001	VOLUME	490390.804	3610370.052	2.65
LOCATION L0000002	VOLUME	490393.738	3610360.492	2.60
LOCATION L0000003	VOLUME	490396.673	3610350.932	2.54
LOCATION L0000004	VOLUME	490399.607	3610341.372	2.67
LOCATION L0000005	VOLUME	490402.542	3610331.813	2.81
LOCATION L0000006	VOLUME	490405.476	3610322.253	2.92
LOCATION L0000007	VOLUME	490408.411	3610312.693	2.93
LOCATION L0000008	VOLUME	490411.345	3610303.133	2.91
LOCATION L0000009	VOLUME	490414.279	3610293.574	2.88
LOCATION L0000010	VOLUME	490417.214	3610284.014	2.86
LOCATION L0000011	VOLUME	490420.148	3610274.454	2.86
LOCATION L0000012	VOLUME	490423.083	3610264.894	2.85
LOCATION L0000013	VOLUME	490426.017	3610255.335	2.89
LOCATION L0000014	VOLUME	490428.951	3610245.775	2.97
LOCATION L0000015	VOLUME	490431.886	3610236.215	3.02
LOCATION L0000016	VOLUME	490434.820	3610226.655	3.05
LOCATION L0000017	VOLUME	490437.755	3610217.095	2.99
LOCATION L0000018	VOLUME	490440.689	3610207.536	2.90
LOCATION L0000019	VOLUME	490443.623	3610197.976	2.78
LOCATION L0000020	VOLUME	490446.558	3610188.416	2.78
LOCATION L0000021	VOLUME	490449.492	3610178.856	2.82
LOCATION L0000022	VOLUME	490452.427	3610169.297	2.93
LOCATION L0000023	VOLUME	490455.361	3610159.737	2.99
LOCATION L0000024	VOLUME	490458.296	3610150.177	3.01
LOCATION L0000025	VOLUME	490461.230	3610140.617	3.01
LOCATION L0000026	VOLUME	490464.164	3610131.057	2.99
LOCATION L0000027	VOLUME	490467.099	3610121.498	2.96
LOCATION L0000028	VOLUME	490470.033	3610111.938	2.90
LOCATION L0000029	VOLUME	490472.968	3610102.378	2.89
LOCATION L0000030	VOLUME	490475.902	3610092.818	3.05
LOCATION L0000031	VOLUME	490478.836	3610083.259	3.21
LOCATION L0000032	VOLUME	490481.771	3610073.699	3.32
LOCATION L0000033	VOLUME	490484.705	3610064.139	3.26

LOCATION	L0000034	VOLUME	490487.640	3610054.579	3.20
LOCATION	L0000035	VOLUME	490491.676	3610047.136	3.12
LOCATION	L0000036	VOLUME	490501.191	3610050.213	2.92
LOCATION	L0000037	VOLUME	490510.706	3610053.290	2.88
LOCATION	L0000038	VOLUME	490520.221	3610056.367	2.87
LOCATION	L0000039	VOLUME	490529.736	3610059.444	2.86
LOCATION	L0000040	VOLUME	490539.250	3610062.521	2.88
LOCATION	L0000041	VOLUME	490548.765	3610065.598	2.85
LOCATION	L0000042	VOLUME	490558.280	3610068.675	2.81
LOCATION	L0000043	VOLUME	490567.795	3610071.752	2.77
LOCATION	L0000044	VOLUME	490577.310	3610074.830	2.76
LOCATION	L0000045	VOLUME	490586.824	3610077.907	2.84
LOCATION	L0000046	VOLUME	490596.339	3610080.984	2.90
LOCATION	L0000047	VOLUME	490605.854	3610084.061	2.94
LOCATION	L0000048	VOLUME	490615.369	3610087.138	2.99
LOCATION	L0000049	VOLUME	490624.884	3610090.215	3.01
LOCATION	L0000050	VOLUME	490634.399	3610093.292	3.00
LOCATION	L0000051	VOLUME	490643.913	3610096.369	3.00
LOCATION	L0000052	VOLUME	490653.428	3610099.446	3.03
LOCATION	L0000053	VOLUME	490662.943	3610102.523	3.08
LOCATION	L0000054	VOLUME	490672.458	3610105.600	3.14
LOCATION	L0000055	VOLUME	490681.973	3610108.677	3.25
LOCATION	L0000056	VOLUME	490691.488	3610111.754	3.38
LOCATION	L0000057	VOLUME	490701.002	3610114.831	3.51
LOCATION	L0000058	VOLUME	490710.517	3610117.908	3.62
LOCATION	L0000059	VOLUME	490720.032	3610120.985	3.60
LOCATION	L0000060	VOLUME	490729.547	3610124.062	3.60
LOCATION	L0000061	VOLUME	490739.062	3610127.139	3.62
LOCATION	L0000062	VOLUME	490748.576	3610130.216	3.67
LOCATION	L0000063	VOLUME	490758.091	3610133.293	3.72
LOCATION	L0000064	VOLUME	490767.606	3610136.370	3.72
LOCATION	L0000065	VOLUME	490777.121	3610139.447	3.66
LOCATION	L0000066	VOLUME	490786.636	3610142.524	3.59
LOCATION	L0000067	VOLUME	490796.151	3610145.601	3.61
LOCATION	L0000068	VOLUME	490805.665	3610148.678	3.67
LOCATION	L0000069	VOLUME	490815.180	3610151.756	3.76
LOCATION	L0000070	VOLUME	490824.695	3610154.833	3.84
LOCATION	L0000071	VOLUME	490832.913	3610158.553	3.92
LOCATION	L0000072	VOLUME	490829.605	3610167.989	3.94
LOCATION	L0000073	VOLUME	490826.297	3610177.426	3.94
LOCATION	L0000074	VOLUME	490822.988	3610186.863	3.97
LOCATION	L0000075	VOLUME	490819.680	3610196.300	4.01
LOCATION	L0000076	VOLUME	490816.371	3610205.737	4.03
LOCATION	L0000077	VOLUME	490813.063	3610215.174	4.02
LOCATION	L0000078	VOLUME	490809.754	3610224.611	4.02
LOCATION	L0000079	VOLUME	490806.446	3610234.047	4.11
LOCATION	L0000080	VOLUME	490803.137	3610243.484	4.21
LOCATION	L0000081	VOLUME	490799.829	3610252.921	4.28
LOCATION	L0000082	VOLUME	490796.521	3610262.358	4.29
LOCATION	L0000083	VOLUME	490793.212	3610271.795	4.23

LOCATION	L0000084	VOLUME	490789.904	3610281.232	4.16
LOCATION	L0000085	VOLUME	490786.595	3610290.668	4.13
LOCATION	L0000086	VOLUME	490783.287	3610300.105	4.20
LOCATION	L0000087	VOLUME	490779.978	3610309.542	4.26
LOCATION	L0000088	VOLUME	490776.670	3610318.979	4.31
LOCATION	L0000089	VOLUME	490773.361	3610328.416	4.32
LOCATION	L0000090	VOLUME	490770.053	3610337.853	4.32
LOCATION	L0000091	VOLUME	490766.745	3610347.290	4.32
LOCATION	L0000092	VOLUME	490763.436	3610356.726	4.34
LOCATION	L0000093	VOLUME	490760.128	3610366.163	4.40
LOCATION	L0000094	VOLUME	490756.819	3610375.600	4.45
LOCATION	L0000095	VOLUME	490753.511	3610385.037	4.48
LOCATION	L0000096	VOLUME	490750.202	3610394.474	4.47
LOCATION	L0000097	VOLUME	490746.894	3610403.911	4.46
LOCATION	L0000098	VOLUME	490743.585	3610413.348	4.46
LOCATION	L0000099	VOLUME	490740.277	3610422.784	4.52
LOCATION	L0000100	VOLUME	490736.968	3610432.221	4.54
LOCATION	L0000101	VOLUME	490733.660	3610441.658	4.58
LOCATION	L0000102	VOLUME	490730.352	3610451.095	4.52
LOCATION	L0000103	VOLUME	490727.043	3610460.532	4.48
LOCATION	L0000104	VOLUME	490723.735	3610469.969	4.48
LOCATION	L0000105	VOLUME	490720.426	3610479.405	4.55
LOCATION	L0000106	VOLUME	490717.118	3610488.842	4.64
LOCATION	L0000107	VOLUME	490709.763	3610490.051	4.61
LOCATION	L0000108	VOLUME	490700.269	3610486.910	4.46
LOCATION	L0000109	VOLUME	490690.775	3610483.769	4.30
LOCATION	L0000110	VOLUME	490681.281	3610480.628	4.14
LOCATION	L0000111	VOLUME	490671.788	3610477.487	3.97
LOCATION	L0000112	VOLUME	490662.294	3610474.346	3.79
LOCATION	L0000113	VOLUME	490652.800	3610471.205	3.68
LOCATION	L0000114	VOLUME	490643.306	3610468.064	3.60
LOCATION	L0000115	VOLUME	490633.812	3610464.923	3.52
LOCATION	L0000116	VOLUME	490624.318	3610461.782	3.47
LOCATION	L0000117	VOLUME	490614.824	3610458.641	3.44
LOCATION	L0000118	VOLUME	490605.330	3610455.500	3.41
LOCATION	L0000119	VOLUME	490595.836	3610452.359	3.36
LOCATION	L0000120	VOLUME	490586.342	3610449.218	3.25
LOCATION	L0000121	VOLUME	490576.849	3610446.077	3.11
LOCATION	L0000122	VOLUME	490567.355	3610442.936	3.02
LOCATION	L0000123	VOLUME	490557.861	3610439.795	2.98
LOCATION	L0000124	VOLUME	490548.367	3610436.654	2.92
LOCATION	L0000125	VOLUME	490538.873	3610433.513	2.85
LOCATION	L0000126	VOLUME	490529.379	3610430.372	2.78
LOCATION	L0000127	VOLUME	490519.885	3610427.231	2.81
LOCATION	L0000128	VOLUME	490510.391	3610424.090	2.80
LOCATION	L0000129	VOLUME	490500.897	3610420.949	2.73
LOCATION	L0000130	VOLUME	490491.404	3610417.808	2.60
LOCATION	L0000131	VOLUME	490481.910	3610414.667	2.46
LOCATION	L0000132	VOLUME	490472.416	3610411.526	2.38
LOCATION	L0000133	VOLUME	490462.922	3610408.385	2.41

LOCATION	L0000134	VOLUME	490453.428	3610405.244	2.43
LOCATION	L0000135	VOLUME	490443.934	3610402.103	2.50
LOCATION	L0000136	VOLUME	490434.440	3610398.962	2.57
LOCATION	L0000137	VOLUME	490424.946	3610395.821	2.61
LOCATION	L0000138	VOLUME	490415.452	3610392.680	2.65
LOCATION	L0000139	VOLUME	490405.958	3610389.539	2.66
LOCATION	L0000140	VOLUME	490400.531	3610384.300	2.60
LOCATION	L0000141	VOLUME	490403.473	3610374.743	2.56
LOCATION	L0000142	VOLUME	490406.416	3610365.185	2.56
LOCATION	L0000143	VOLUME	490409.358	3610355.628	2.59
LOCATION	L0000144	VOLUME	490412.301	3610346.071	2.66
LOCATION	L0000145	VOLUME	490415.244	3610336.513	2.74
LOCATION	L0000146	VOLUME	490418.186	3610326.956	2.78
LOCATION	L0000147	VOLUME	490421.129	3610317.399	2.78
LOCATION	L0000148	VOLUME	490424.071	3610307.842	2.73
LOCATION	L0000149	VOLUME	490427.014	3610298.284	2.71
LOCATION	L0000150	VOLUME	490429.956	3610288.727	2.70
LOCATION	L0000151	VOLUME	490432.899	3610279.170	2.75
LOCATION	L0000152	VOLUME	490435.841	3610269.613	2.78
LOCATION	L0000153	VOLUME	490438.784	3610260.055	2.81
LOCATION	L0000154	VOLUME	490441.726	3610250.498	2.85
LOCATION	L0000155	VOLUME	490444.669	3610240.941	2.86
LOCATION	L0000156	VOLUME	490447.611	3610231.383	2.86
LOCATION	L0000157	VOLUME	490450.554	3610221.826	2.77
LOCATION	L0000158	VOLUME	490453.496	3610212.269	2.70
LOCATION	L0000159	VOLUME	490456.439	3610202.712	2.66
LOCATION	L0000160	VOLUME	490459.381	3610193.154	2.70
LOCATION	L0000161	VOLUME	490462.324	3610183.597	2.80
LOCATION	L0000162	VOLUME	490465.266	3610174.040	2.87
LOCATION	L0000163	VOLUME	490468.209	3610164.482	2.90
LOCATION	L0000164	VOLUME	490471.151	3610154.925	2.88
LOCATION	L0000165	VOLUME	490474.094	3610145.368	2.85
LOCATION	L0000166	VOLUME	490477.036	3610135.811	2.81
LOCATION	L0000167	VOLUME	490479.979	3610126.253	2.81
LOCATION	L0000168	VOLUME	490482.921	3610116.696	2.81
LOCATION	L0000169	VOLUME	490485.864	3610107.139	2.80
LOCATION	L0000170	VOLUME	490488.806	3610097.581	2.89
LOCATION	L0000171	VOLUME	490491.749	3610088.024	2.97
LOCATION	L0000172	VOLUME	490494.691	3610078.467	2.99
LOCATION	L0000173	VOLUME	490497.634	3610068.910	2.96
LOCATION	L0000174	VOLUME	490506.443	3610070.589	2.85
LOCATION	L0000175	VOLUME	490515.967	3610073.638	2.85
LOCATION	L0000176	VOLUME	490525.491	3610076.687	2.84
LOCATION	L0000177	VOLUME	490535.015	3610079.735	2.81
LOCATION	L0000178	VOLUME	490544.539	3610082.784	2.80
LOCATION	L0000179	VOLUME	490554.063	3610085.832	2.83
LOCATION	L0000180	VOLUME	490563.587	3610088.881	2.89
LOCATION	L0000181	VOLUME	490573.111	3610091.930	2.95
LOCATION	L0000182	VOLUME	490582.635	3610094.978	2.99
LOCATION	L0000183	VOLUME	490592.159	3610098.027	2.99

LOCATION	L0000184	VOLUME	490601.683	3610101.076	2.95
LOCATION	L0000185	VOLUME	490611.207	3610104.124	2.90
LOCATION	L0000186	VOLUME	490620.731	3610107.173	2.86
LOCATION	L0000187	VOLUME	490630.255	3610110.221	2.84
LOCATION	L0000188	VOLUME	490639.779	3610113.270	2.91
LOCATION	L0000189	VOLUME	490649.303	3610116.319	2.99
LOCATION	L0000190	VOLUME	490658.827	3610119.367	3.06
LOCATION	L0000191	VOLUME	490668.351	3610122.416	3.18
LOCATION	L0000192	VOLUME	490677.875	3610125.464	3.31
LOCATION	L0000193	VOLUME	490687.399	3610128.513	3.44
LOCATION	L0000194	VOLUME	490696.923	3610131.562	3.53
LOCATION	L0000195	VOLUME	490706.446	3610134.610	3.62
LOCATION	L0000196	VOLUME	490715.970	3610137.659	3.66
LOCATION	L0000197	VOLUME	490725.494	3610140.708	3.68
LOCATION	L0000198	VOLUME	490735.018	3610143.756	3.71
LOCATION	L0000199	VOLUME	490744.542	3610146.805	3.72
LOCATION	L0000200	VOLUME	490754.066	3610149.853	3.72
LOCATION	L0000201	VOLUME	490763.590	3610152.902	3.71
LOCATION	L0000202	VOLUME	490773.114	3610155.951	3.62
LOCATION	L0000203	VOLUME	490782.638	3610158.999	3.51
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LOCATION	L0000206	VOLUME	490811.210	3610168.145	3.74
LOCATION	L0000207	VOLUME	490813.153	3610174.925	3.82
LOCATION	L0000208	VOLUME	490809.759	3610184.331	3.84
LOCATION	L0000209	VOLUME	490806.365	3610193.737	3.87
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LOCATION	L0000211	VOLUME	490799.577	3610212.550	3.89
LOCATION	L0000212	VOLUME	490796.183	3610221.957	3.90
LOCATION	L0000213	VOLUME	490792.789	3610231.363	3.94
LOCATION	L0000214	VOLUME	490789.395	3610240.769	3.98
LOCATION	L0000215	VOLUME	490786.001	3610250.176	4.00
LOCATION	L0000216	VOLUME	490782.607	3610259.582	4.00
LOCATION	L0000217	VOLUME	490779.213	3610268.989	3.98
LOCATION	L0000218	VOLUME	490775.819	3610278.395	3.97
LOCATION	L0000219	VOLUME	490772.425	3610287.801	3.97
LOCATION	L0000220	VOLUME	490769.031	3610297.208	4.01
LOCATION	L0000221	VOLUME	490765.637	3610306.614	4.04
LOCATION	L0000222	VOLUME	490762.243	3610316.021	4.07
LOCATION	L0000223	VOLUME	490758.848	3610325.427	4.08
LOCATION	L0000224	VOLUME	490755.454	3610334.833	4.08
LOCATION	L0000225	VOLUME	490752.060	3610344.240	4.09
LOCATION	L0000226	VOLUME	490748.666	3610353.646	4.11
LOCATION	L0000227	VOLUME	490745.272	3610363.053	4.15
LOCATION	L0000228	VOLUME	490741.878	3610372.459	4.17
LOCATION	L0000229	VOLUME	490738.484	3610381.865	4.19
LOCATION	L0000230	VOLUME	490735.090	3610391.272	4.20
LOCATION	L0000231	VOLUME	490731.696	3610400.678	4.21
LOCATION	L0000232	VOLUME	490728.302	3610410.085	4.21
LOCATION	L0000233	VOLUME	490724.908	3610419.491	4.24

LOCATION	L0000234	VOLUME	490721.514	3610428.897	4.27
LOCATION	L0000235	VOLUME	490718.120	3610438.304	4.29
LOCATION	L0000236	VOLUME	490714.726	3610447.710	4.31
LOCATION	L0000237	VOLUME	490711.332	3610457.117	4.36
LOCATION	L0000238	VOLUME	490707.938	3610466.523	4.41
LOCATION	L0000239	VOLUME	490703.802	3610474.419	4.43
LOCATION	L0000240	VOLUME	490694.284	3610471.352	4.25
LOCATION	L0000241	VOLUME	490684.766	3610468.285	4.05
LOCATION	L0000242	VOLUME	490675.248	3610465.218	3.90
LOCATION	L0000243	VOLUME	490665.730	3610462.151	3.79
LOCATION	L0000244	VOLUME	490656.212	3610459.084	3.70
LOCATION	L0000245	VOLUME	490646.693	3610456.017	3.63
LOCATION	L0000246	VOLUME	490637.175	3610452.950	3.58
LOCATION	L0000247	VOLUME	490627.657	3610449.883	3.54
LOCATION	L0000248	VOLUME	490618.139	3610446.817	3.52
LOCATION	L0000249	VOLUME	490608.621	3610443.750	3.51
LOCATION	L0000250	VOLUME	490599.103	3610440.683	3.39
LOCATION	L0000251	VOLUME	490589.585	3610437.616	3.23
LOCATION	L0000252	VOLUME	490580.067	3610434.549	3.08
LOCATION	L0000253	VOLUME	490570.549	3610431.482	3.04
LOCATION	L0000254	VOLUME	490561.031	3610428.415	3.00
LOCATION	L0000255	VOLUME	490551.513	3610425.348	2.96
LOCATION	L0000256	VOLUME	490541.995	3610422.281	2.90
LOCATION	L0000257	VOLUME	490532.476	3610419.214	2.84
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LOCATION	L0000261	VOLUME	490494.404	3610406.946	2.56
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LOCATION	L0000264	VOLUME	490465.850	3610397.746	2.45
LOCATION	L0000265	VOLUME	490456.332	3610394.679	2.47
LOCATION	L0000266	VOLUME	490446.814	3610391.612	2.50
LOCATION	L0000267	VOLUME	490437.296	3610388.545	2.52
LOCATION	L0000268	VOLUME	490427.778	3610385.478	2.52
LOCATION	L0000269	VOLUME	490422.618	3610380.121	2.51
LOCATION	L0000270	VOLUME	490425.494	3610370.544	2.57
LOCATION	L0000271	VOLUME	490428.370	3610360.966	2.63
LOCATION	L0000272	VOLUME	490431.246	3610351.388	2.69
LOCATION	L0000273	VOLUME	490434.122	3610341.811	2.70
LOCATION	L0000274	VOLUME	490436.998	3610332.233	2.71
LOCATION	L0000275	VOLUME	490439.873	3610322.656	2.72
LOCATION	L0000276	VOLUME	490442.749	3610313.078	2.72
LOCATION	L0000277	VOLUME	490445.625	3610303.501	2.72
LOCATION	L0000278	VOLUME	490448.501	3610293.923	2.72
LOCATION	L0000279	VOLUME	490451.377	3610284.346	2.74
LOCATION	L0000280	VOLUME	490454.253	3610274.768	2.75
LOCATION	L0000281	VOLUME	490457.128	3610265.190	2.77
LOCATION	L0000282	VOLUME	490460.004	3610255.613	2.79
LOCATION	L0000283	VOLUME	490462.880	3610246.035	2.80

LOCATION	L0000284	VOLUME	490465.756	3610236.458	2.79
LOCATION	L0000285	VOLUME	490468.632	3610226.880	2.78
LOCATION	L0000286	VOLUME	490471.508	3610217.303	2.79
LOCATION	L0000287	VOLUME	490474.383	3610207.725	2.82
LOCATION	L0000288	VOLUME	490477.259	3610198.148	2.87
LOCATION	L0000289	VOLUME	490480.135	3610188.570	2.87
LOCATION	L0000290	VOLUME	490483.011	3610178.992	2.87
LOCATION	L0000291	VOLUME	490485.887	3610169.415	2.86
LOCATION	L0000292	VOLUME	490488.763	3610159.837	2.85
LOCATION	L0000293	VOLUME	490491.638	3610150.260	2.86
LOCATION	L0000294	VOLUME	490494.514	3610140.682	2.88
LOCATION	L0000295	VOLUME	490497.390	3610131.105	2.89
LOCATION	L0000296	VOLUME	490500.266	3610121.527	2.88
LOCATION	L0000297	VOLUME	490503.142	3610111.950	2.86
LOCATION	L0000298	VOLUME	490506.018	3610102.372	2.83
LOCATION	L0000299	VOLUME	490508.893	3610092.794	2.83
LOCATION	L0000300	VOLUME	490516.404	3610092.076	2.80
LOCATION	L0000301	VOLUME	490525.911	3610095.175	2.76
LOCATION	L0000302	VOLUME	490535.419	3610098.274	2.80
LOCATION	L0000303	VOLUME	490544.927	3610101.373	2.90
LOCATION	L0000304	VOLUME	490554.434	3610104.472	3.04
LOCATION	L0000305	VOLUME	490563.942	3610107.572	3.06
LOCATION	L0000306	VOLUME	490573.450	3610110.671	3.09
LOCATION	L0000307	VOLUME	490582.957	3610113.770	3.09
LOCATION	L0000308	VOLUME	490592.465	3610116.869	3.04
LOCATION	L0000309	VOLUME	490601.972	3610119.968	3.01
LOCATION	L0000310	VOLUME	490611.480	3610123.067	3.00
LOCATION	L0000311	VOLUME	490620.988	3610126.167	3.00
LOCATION	L0000312	VOLUME	490630.495	3610129.266	3.02
LOCATION	L0000313	VOLUME	490640.003	3610132.365	3.06
LOCATION	L0000314	VOLUME	490649.511	3610135.464	3.09
LOCATION	L0000315	VOLUME	490659.018	3610138.563	3.12
LOCATION	L0000316	VOLUME	490668.526	3610141.663	3.26
LOCATION	L0000317	VOLUME	490678.034	3610144.762	3.38
LOCATION	L0000318	VOLUME	490687.541	3610147.861	3.48
LOCATION	L0000319	VOLUME	490697.049	3610150.960	3.54
LOCATION	L0000320	VOLUME	490706.556	3610154.059	3.59
LOCATION	L0000321	VOLUME	490716.064	3610157.158	3.63
LOCATION	L0000322	VOLUME	490725.572	3610160.258	3.66
LOCATION	L0000323	VOLUME	490735.079	3610163.357	3.70
LOCATION	L0000324	VOLUME	490744.587	3610166.456	3.70
LOCATION	L0000325	VOLUME	490754.095	3610169.555	3.68
LOCATION	L0000326	VOLUME	490763.602	3610172.654	3.66
LOCATION	L0000327	VOLUME	490773.110	3610175.753	3.59
LOCATION	L0000328	VOLUME	490782.618	3610178.853	3.55
LOCATION	L0000329	VOLUME	490792.125	3610181.952	3.59
LOCATION	L0000330	VOLUME	490792.159	3610189.648	3.66
LOCATION	L0000331	VOLUME	490788.709	3610199.034	3.70
LOCATION	L0000332	VOLUME	490785.260	3610208.420	3.73
LOCATION	L0000333	VOLUME	490781.810	3610217.806	3.74

LOCATION	L0000334	VOLUME	490778.361	3610227.192	3.74
LOCATION	L0000335	VOLUME	490774.911	3610236.579	3.74
LOCATION	L0000336	VOLUME	490771.461	3610245.965	3.74
LOCATION	L0000337	VOLUME	490768.012	3610255.351	3.73
LOCATION	L0000338	VOLUME	490764.562	3610264.737	3.73
LOCATION	L0000339	VOLUME	490761.112	3610274.123	3.76
LOCATION	L0000340	VOLUME	490757.663	3610283.509	3.78
LOCATION	L0000341	VOLUME	490754.213	3610292.896	3.79
LOCATION	L0000342	VOLUME	490750.764	3610302.282	3.81
LOCATION	L0000343	VOLUME	490747.314	3610311.668	3.83
LOCATION	L0000344	VOLUME	490743.864	3610321.054	3.84
LOCATION	L0000345	VOLUME	490740.415	3610330.440	3.85
LOCATION	L0000346	VOLUME	490736.965	3610339.826	3.86
LOCATION	L0000347	VOLUME	490733.515	3610349.213	3.88
LOCATION	L0000348	VOLUME	490730.066	3610358.599	3.90
LOCATION	L0000349	VOLUME	490726.616	3610367.985	3.93
LOCATION	L0000350	VOLUME	490723.167	3610377.371	3.95
LOCATION	L0000351	VOLUME	490719.717	3610386.757	3.97
LOCATION	L0000352	VOLUME	490716.267	3610396.143	3.98
LOCATION	L0000353	VOLUME	490712.818	3610405.530	3.97
LOCATION	L0000354	VOLUME	490709.368	3610414.916	3.98
LOCATION	L0000355	VOLUME	490705.919	3610424.302	3.99
LOCATION	L0000356	VOLUME	490702.469	3610433.688	3.99
LOCATION	L0000357	VOLUME	490699.019	3610443.074	3.97
LOCATION	L0000358	VOLUME	490695.570	3610452.460	4.02
LOCATION	L0000359	VOLUME	490690.313	3610458.130	4.00
LOCATION	L0000360	VOLUME	490680.799	3610455.049	3.84
LOCATION	L0000361	VOLUME	490671.286	3610451.968	3.76
LOCATION	L0000362	VOLUME	490661.772	3610448.886	3.71
LOCATION	L0000363	VOLUME	490652.259	3610445.805	3.67
LOCATION	L0000364	VOLUME	490642.746	3610442.723	3.62
LOCATION	L0000365	VOLUME	490633.232	3610439.642	3.59
LOCATION	L0000366	VOLUME	490623.719	3610436.561	3.57
LOCATION	L0000367	VOLUME	490614.205	3610433.479	3.55
LOCATION	L0000368	VOLUME	490604.692	3610430.398	3.51
LOCATION	L0000369	VOLUME	490595.178	3610427.316	3.35
LOCATION	L0000370	VOLUME	490585.665	3610424.235	3.18
LOCATION	L0000371	VOLUME	490576.152	3610421.154	3.08
LOCATION	L0000372	VOLUME	490566.638	3610418.072	3.04
LOCATION	L0000373	VOLUME	490557.125	3610414.991	3.00
LOCATION	L0000374	VOLUME	490547.611	3610411.909	2.95
LOCATION	L0000375	VOLUME	490538.098	3610408.828	2.91
LOCATION	L0000376	VOLUME	490528.585	3610405.747	2.87
LOCATION	L0000377	VOLUME	490519.071	3610402.665	2.79
LOCATION	L0000378	VOLUME	490509.558	3610399.584	2.71
LOCATION	L0000379	VOLUME	490500.044	3610396.503	2.63
LOCATION	L0000380	VOLUME	490490.531	3610393.421	2.56
LOCATION	L0000381	VOLUME	490481.018	3610390.340	2.50
LOCATION	L0000382	VOLUME	490471.504	3610387.258	2.48
LOCATION	L0000383	VOLUME	490461.991	3610384.177	2.51

LOCATION	L0000384	VOLUME	490452.477	3610381.096	2.52
LOCATION	L0000385	VOLUME	490442.964	3610378.014	2.53
LOCATION	L0000386	VOLUME	490445.644	3610368.492	2.57
LOCATION	L0000387	VOLUME	490448.462	3610358.897	2.61
LOCATION	L0000388	VOLUME	490451.279	3610349.302	2.63
LOCATION	L0000389	VOLUME	490454.097	3610339.707	2.65
LOCATION	L0000390	VOLUME	490456.914	3610330.112	2.69
LOCATION	L0000391	VOLUME	490459.732	3610320.517	2.73
LOCATION	L0000392	VOLUME	490462.549	3610310.923	2.73
LOCATION	L0000393	VOLUME	490465.367	3610301.328	2.72
LOCATION	L0000394	VOLUME	490468.185	3610291.733	2.71
LOCATION	L0000395	VOLUME	490471.002	3610282.138	2.72
LOCATION	L0000396	VOLUME	490473.820	3610272.543	2.76
LOCATION	L0000397	VOLUME	490476.637	3610262.948	2.79
LOCATION	L0000398	VOLUME	490479.455	3610253.353	2.82
LOCATION	L0000399	VOLUME	490482.272	3610243.759	2.84
LOCATION	L0000400	VOLUME	490485.090	3610234.164	2.86
LOCATION	L0000401	VOLUME	490487.907	3610224.569	2.88
LOCATION	L0000402	VOLUME	490490.725	3610214.974	2.91
LOCATION	L0000403	VOLUME	490493.542	3610205.379	2.92
LOCATION	L0000404	VOLUME	490496.360	3610195.784	2.91
LOCATION	L0000405	VOLUME	490499.178	3610186.189	2.89
LOCATION	L0000406	VOLUME	490501.995	3610176.594	2.87
LOCATION	L0000407	VOLUME	490504.813	3610167.000	2.83
LOCATION	L0000408	VOLUME	490507.630	3610157.405	2.82
LOCATION	L0000409	VOLUME	490510.448	3610147.810	2.81
LOCATION	L0000410	VOLUME	490513.265	3610138.215	2.80
LOCATION	L0000411	VOLUME	490516.083	3610128.620	2.77
LOCATION	L0000412	VOLUME	490518.900	3610119.025	2.75
LOCATION	L0000413	VOLUME	490521.718	3610109.430	2.74
LOCATION	L0000414	VOLUME	490530.818	3610111.865	2.72
LOCATION	L0000415	VOLUME	490540.303	3610115.035	2.83
LOCATION	L0000416	VOLUME	490549.787	3610118.205	2.93
LOCATION	L0000417	VOLUME	490559.271	3610121.375	3.00
LOCATION	L0000418	VOLUME	490568.755	3610124.544	3.03
LOCATION	L0000419	VOLUME	490578.240	3610127.714	3.07
LOCATION	L0000420	VOLUME	490587.724	3610130.884	3.07
LOCATION	L0000421	VOLUME	490597.208	3610134.054	3.06
LOCATION	L0000422	VOLUME	490606.693	3610137.224	3.07
LOCATION	L0000423	VOLUME	490616.177	3610140.394	3.08
LOCATION	L0000424	VOLUME	490625.661	3610143.563	3.10
LOCATION	L0000425	VOLUME	490635.146	3610146.733	3.12
LOCATION	L0000426	VOLUME	490644.630	3610149.903	3.15
LOCATION	L0000427	VOLUME	490654.114	3610153.073	3.18
LOCATION	L0000428	VOLUME	490663.599	3610156.243	3.26
LOCATION	L0000429	VOLUME	490673.083	3610159.412	3.36
LOCATION	L0000430	VOLUME	490682.567	3610162.582	3.45
LOCATION	L0000431	VOLUME	490692.052	3610165.752	3.50
LOCATION	L0000432	VOLUME	490701.536	3610168.922	3.55
LOCATION	L0000433	VOLUME	490711.020	3610172.092	3.60

LOCATION	L0000434	VOLUME	490720.504	3610175.262	3.63
LOCATION	L0000435	VOLUME	490729.989	3610178.431	3.67
LOCATION	L0000436	VOLUME	490739.473	3610181.601	3.68
LOCATION	L0000437	VOLUME	490748.957	3610184.771	3.66
LOCATION	L0000438	VOLUME	490758.442	3610187.941	3.62
LOCATION	L0000439	VOLUME	490767.926	3610191.111	3.60
LOCATION	L0000440	VOLUME	490772.788	3610196.409	3.62
LOCATION	L0000441	VOLUME	490769.030	3610205.676	3.61
LOCATION	L0000442	VOLUME	490765.271	3610214.943	3.58
LOCATION	L0000443	VOLUME	490761.513	3610224.210	3.55
LOCATION	L0000444	VOLUME	490757.755	3610233.476	3.57
LOCATION	L0000445	VOLUME	490753.997	3610242.743	3.61
LOCATION	L0000446	VOLUME	490750.238	3610252.010	3.63
LOCATION	L0000447	VOLUME	490746.480	3610261.277	3.64
LOCATION	L0000448	VOLUME	490742.722	3610270.544	3.62
LOCATION	L0000449	VOLUME	490738.964	3610279.811	3.58
LOCATION	L0000450	VOLUME	490735.205	3610289.078	3.54
LOCATION	L0000451	VOLUME	490731.447	3610298.345	3.60
LOCATION	L0000452	VOLUME	490727.689	3610307.612	3.65
LOCATION	L0000453	VOLUME	490723.931	3610316.879	3.67
LOCATION	L0000454	VOLUME	490720.172	3610326.146	3.67
LOCATION	L0000455	VOLUME	490716.414	3610335.412	3.65
LOCATION	L0000456	VOLUME	490712.656	3610344.679	3.61
LOCATION	L0000457	VOLUME	490708.898	3610353.946	3.60
LOCATION	L0000458	VOLUME	490705.139	3610363.213	3.67
LOCATION	L0000459	VOLUME	490701.381	3610372.480	3.72
LOCATION	L0000460	VOLUME	490697.623	3610381.747	3.73
LOCATION	L0000461	VOLUME	490693.865	3610391.014	3.72
LOCATION	L0000462	VOLUME	490690.106	3610400.281	3.70
LOCATION	L0000463	VOLUME	490686.348	3610409.548	3.66
LOCATION	L0000464	VOLUME	490682.590	3610418.815	3.66
LOCATION	L0000465	VOLUME	490678.832	3610428.082	3.67
LOCATION	L0000466	VOLUME	490672.983	3610432.987	3.69
LOCATION	L0000467	VOLUME	490663.406	3610430.111	3.69
LOCATION	L0000468	VOLUME	490653.829	3610427.235	3.68
LOCATION	L0000469	VOLUME	490644.251	3610424.359	3.65
LOCATION	L0000470	VOLUME	490634.674	3610421.482	3.63
LOCATION	L0000471	VOLUME	490625.096	3610418.606	3.62
LOCATION	L0000472	VOLUME	490615.519	3610415.730	3.60
LOCATION	L0000473	VOLUME	490605.941	3610412.854	3.57
LOCATION	L0000474	VOLUME	490596.364	3610409.978	3.40
LOCATION	L0000475	VOLUME	490586.786	3610407.101	3.25
LOCATION	L0000476	VOLUME	490577.209	3610404.225	3.16
LOCATION	L0000477	VOLUME	490567.632	3610401.349	3.11
LOCATION	L0000478	VOLUME	490558.054	3610398.473	3.06
LOCATION	L0000479	VOLUME	490548.477	3610395.597	3.01
LOCATION	L0000480	VOLUME	490538.899	3610392.720	2.97
LOCATION	L0000481	VOLUME	490529.322	3610389.844	2.93
LOCATION	L0000482	VOLUME	490519.744	3610386.968	2.85
LOCATION	L0000483	VOLUME	490510.167	3610384.092	2.76

LOCATION	L0000484	VOLUME	490500.589	3610381.216	2.67
LOCATION	L0000485	VOLUME	490491.012	3610378.340	2.61
LOCATION	L0000486	VOLUME	490481.435	3610375.463	2.55
LOCATION	L0000487	VOLUME	490471.857	3610372.587	2.53
LOCATION	L0000488	VOLUME	490462.280	3610369.711	2.55
LOCATION	L0000489	VOLUME	490462.666	3610361.511	2.57
LOCATION	L0000490	VOLUME	490465.597	3610351.950	2.59
LOCATION	L0000491	VOLUME	490468.529	3610342.389	2.64
LOCATION	L0000492	VOLUME	490471.460	3610332.829	2.69
LOCATION	L0000493	VOLUME	490474.392	3610323.268	2.76
LOCATION	L0000494	VOLUME	490477.323	3610313.707	2.77
LOCATION	L0000495	VOLUME	490480.255	3610304.147	2.77
LOCATION	L0000496	VOLUME	490483.187	3610294.586	2.78
LOCATION	L0000497	VOLUME	490486.118	3610285.025	2.83
LOCATION	L0000498	VOLUME	490489.050	3610275.465	2.87
LOCATION	L0000499	VOLUME	490491.981	3610265.904	2.91
LOCATION	L0000500	VOLUME	490494.913	3610256.344	2.93
LOCATION	L0000501	VOLUME	490497.844	3610246.783	2.96
LOCATION	L0000502	VOLUME	490500.776	3610237.222	3.00
LOCATION	L0000503	VOLUME	490503.708	3610227.662	3.02
LOCATION	L0000504	VOLUME	490506.639	3610218.101	2.98
LOCATION	L0000505	VOLUME	490509.571	3610208.540	2.96
LOCATION	L0000506	VOLUME	490512.502	3610198.980	2.95
LOCATION	L0000507	VOLUME	490515.434	3610189.419	2.90
LOCATION	L0000508	VOLUME	490518.365	3610179.858	2.82
LOCATION	L0000509	VOLUME	490521.297	3610170.298	2.73
LOCATION	L0000510	VOLUME	490524.229	3610160.737	2.68
LOCATION	L0000511	VOLUME	490527.160	3610151.176	2.65
LOCATION	L0000512	VOLUME	490530.092	3610141.616	2.65
LOCATION	L0000513	VOLUME	490533.023	3610132.055	2.69
LOCATION	L0000514	VOLUME	490539.007	3610128.404	2.77
LOCATION	L0000515	VOLUME	490548.499	3610131.549	2.86
LOCATION	L0000516	VOLUME	490557.992	3610134.693	2.94
LOCATION	L0000517	VOLUME	490567.485	3610137.838	2.99
LOCATION	L0000518	VOLUME	490576.977	3610140.982	3.03
LOCATION	L0000519	VOLUME	490586.470	3610144.127	3.05
LOCATION	L0000520	VOLUME	490595.963	3610147.272	3.06
LOCATION	L0000521	VOLUME	490605.455	3610150.416	3.09
LOCATION	L0000522	VOLUME	490614.948	3610153.561	3.11
LOCATION	L0000523	VOLUME	490624.441	3610156.706	3.14
LOCATION	L0000524	VOLUME	490633.934	3610159.850	3.16
LOCATION	L0000525	VOLUME	490643.426	3610162.995	3.20
LOCATION	L0000526	VOLUME	490652.919	3610166.140	3.25
LOCATION	L0000527	VOLUME	490662.412	3610169.284	3.30
LOCATION	L0000528	VOLUME	490671.904	3610172.429	3.38
LOCATION	L0000529	VOLUME	490681.397	3610175.573	3.46
LOCATION	L0000530	VOLUME	490690.890	3610178.718	3.52
LOCATION	L0000531	VOLUME	490700.382	3610181.863	3.56
LOCATION	L0000532	VOLUME	490709.875	3610185.007	3.60
LOCATION	L0000533	VOLUME	490719.368	3610188.152	3.63

LOCATION	L0000534	VOLUME	490728.860	3610191.297	3.66
LOCATION	L0000535	VOLUME	490738.353	3610194.441	3.68
LOCATION	L0000536	VOLUME	490747.846	3610197.586	3.63
LOCATION	L0000537	VOLUME	490747.995	3610205.000	3.62
LOCATION	L0000538	VOLUME	490744.159	3610214.235	3.62
LOCATION	L0000539	VOLUME	490740.323	3610223.470	3.62
LOCATION	L0000540	VOLUME	490736.487	3610232.705	3.62
LOCATION	L0000541	VOLUME	490732.651	3610241.940	3.65
LOCATION	L0000542	VOLUME	490728.815	3610251.175	3.70
LOCATION	L0000543	VOLUME	490724.979	3610260.410	3.74
LOCATION	L0000544	VOLUME	490721.143	3610269.645	3.73
LOCATION	L0000545	VOLUME	490717.306	3610278.880	3.71
LOCATION	L0000546	VOLUME	490713.470	3610288.115	3.68
LOCATION	L0000547	VOLUME	490709.634	3610297.350	3.67
LOCATION	L0000548	VOLUME	490705.798	3610306.585	3.66
LOCATION	L0000549	VOLUME	490701.962	3610315.820	3.65
LOCATION	L0000550	VOLUME	490698.126	3610325.055	3.65
LOCATION	L0000551	VOLUME	490694.290	3610334.290	3.65
LOCATION	L0000552	VOLUME	490690.454	3610343.524	3.66
LOCATION	L0000553	VOLUME	490686.618	3610352.759	3.68
LOCATION	L0000554	VOLUME	490682.782	3610361.994	3.67
LOCATION	L0000555	VOLUME	490678.946	3610371.229	3.66
LOCATION	L0000556	VOLUME	490675.110	3610380.464	3.65
LOCATION	L0000557	VOLUME	490671.274	3610389.699	3.66
LOCATION	L0000558	VOLUME	490667.438	3610398.934	3.67
LOCATION	L0000559	VOLUME	490663.602	3610408.169	3.68
LOCATION	L0000560	VOLUME	490658.866	3610415.504	3.69
LOCATION	L0000561	VOLUME	490649.292	3610412.618	3.67
LOCATION	L0000562	VOLUME	490639.717	3610409.732	3.66
LOCATION	L0000563	VOLUME	490630.143	3610406.845	3.63
LOCATION	L0000564	VOLUME	490620.569	3610403.959	3.61
LOCATION	L0000565	VOLUME	490610.994	3610401.072	3.58
LOCATION	L0000566	VOLUME	490601.420	3610398.186	3.50
LOCATION	L0000567	VOLUME	490591.845	3610395.300	3.38
LOCATION	L0000568	VOLUME	490582.271	3610392.413	3.30
LOCATION	L0000569	VOLUME	490572.697	3610389.527	3.23
LOCATION	L0000570	VOLUME	490563.122	3610386.640	3.15
LOCATION	L0000571	VOLUME	490553.548	3610383.754	3.06
LOCATION	L0000572	VOLUME	490543.974	3610380.868	3.03
LOCATION	L0000573	VOLUME	490534.399	3610377.981	3.00
LOCATION	L0000574	VOLUME	490524.825	3610375.095	2.95
LOCATION	L0000575	VOLUME	490515.250	3610372.209	2.85
LOCATION	L0000576	VOLUME	490505.676	3610369.322	2.76
LOCATION	L0000577	VOLUME	490496.102	3610366.436	2.68
LOCATION	L0000578	VOLUME	490486.527	3610363.549	2.62
LOCATION	L0000579	VOLUME	490478.833	3610359.658	2.57
LOCATION	L0000580	VOLUME	490481.753	3610350.094	2.62
LOCATION	L0000581	VOLUME	490484.673	3610340.529	2.69
LOCATION	L0000582	VOLUME	490487.593	3610330.965	2.76
LOCATION	L0000583	VOLUME	490490.513	3610321.401	2.82

LOCATION	L0000584	VOLUME	490493.433	3610311.837	2.85
LOCATION	L0000585	VOLUME	490496.353	3610302.273	2.90
LOCATION	L0000586	VOLUME	490499.273	3610292.708	2.97
LOCATION	L0000587	VOLUME	490502.193	3610283.144	3.01
LOCATION	L0000588	VOLUME	490505.113	3610273.580	3.00
LOCATION	L0000589	VOLUME	490508.033	3610264.016	2.98
LOCATION	L0000590	VOLUME	490510.953	3610254.452	2.97
LOCATION	L0000591	VOLUME	490513.872	3610244.887	2.96
LOCATION	L0000592	VOLUME	490516.792	3610235.323	2.94
LOCATION	L0000593	VOLUME	490519.712	3610225.759	2.92
LOCATION	L0000594	VOLUME	490522.632	3610216.195	2.93
LOCATION	L0000595	VOLUME	490525.552	3610206.630	2.94
LOCATION	L0000596	VOLUME	490528.472	3610197.066	2.97
LOCATION	L0000597	VOLUME	490531.392	3610187.502	2.88
LOCATION	L0000598	VOLUME	490534.312	3610177.938	2.79
LOCATION	L0000599	VOLUME	490537.232	3610168.374	2.72
LOCATION	L0000600	VOLUME	490540.152	3610158.809	2.73
LOCATION	L0000601	VOLUME	490543.072	3610149.245	2.77
LOCATION	L0000602	VOLUME	490550.585	3610148.486	2.83
LOCATION	L0000603	VOLUME	490560.100	3610151.563	2.89
LOCATION	L0000604	VOLUME	490569.615	3610154.641	2.94
LOCATION	L0000605	VOLUME	490579.129	3610157.718	2.99
LOCATION	L0000606	VOLUME	490588.644	3610160.795	3.02
LOCATION	L0000607	VOLUME	490598.159	3610163.873	3.07
LOCATION	L0000608	VOLUME	490607.674	3610166.950	3.12
LOCATION	L0000609	VOLUME	490617.188	3610170.027	3.13
LOCATION	L0000610	VOLUME	490626.703	3610173.104	3.13
LOCATION	L0000611	VOLUME	490636.218	3610176.182	3.15
LOCATION	L0000612	VOLUME	490645.733	3610179.259	3.20
LOCATION	L0000613	VOLUME	490655.247	3610182.336	3.28
LOCATION	L0000614	VOLUME	490664.762	3610185.413	3.36
LOCATION	L0000615	VOLUME	490674.277	3610188.491	3.43
LOCATION	L0000616	VOLUME	490683.792	3610191.568	3.51
LOCATION	L0000617	VOLUME	490693.306	3610194.645	3.55
LOCATION	L0000618	VOLUME	490702.821	3610197.722	3.59
LOCATION	L0000619	VOLUME	490712.336	3610200.800	3.63
LOCATION	L0000620	VOLUME	490721.851	3610203.877	3.65
LOCATION	L0000621	VOLUME	490721.117	3610211.848	3.66
LOCATION	L0000622	VOLUME	490717.530	3610221.182	3.68
LOCATION	L0000623	VOLUME	490713.942	3610230.517	3.72
LOCATION	L0000624	VOLUME	490710.354	3610239.851	3.78
LOCATION	L0000625	VOLUME	490706.767	3610249.185	3.82
LOCATION	L0000626	VOLUME	490703.179	3610258.519	3.85
LOCATION	L0000627	VOLUME	490699.591	3610267.854	3.80
LOCATION	L0000628	VOLUME	490696.004	3610277.188	3.75
LOCATION	L0000629	VOLUME	490692.416	3610286.522	3.72
LOCATION	L0000630	VOLUME	490688.828	3610295.857	3.71
LOCATION	L0000631	VOLUME	490685.241	3610305.191	3.70
LOCATION	L0000632	VOLUME	490681.653	3610314.525	3.67
LOCATION	L0000633	VOLUME	490678.065	3610323.859	3.66

LOCATION	L0000634	VOLUME	490674.478	3610333.194	3.65
LOCATION	L0000635	VOLUME	490670.890	3610342.528	3.65
LOCATION	L0000636	VOLUME	490667.302	3610351.862	3.65
LOCATION	L0000637	VOLUME	490663.715	3610361.196	3.66
LOCATION	L0000638	VOLUME	490660.127	3610370.531	3.66
LOCATION	L0000639	VOLUME	490656.539	3610379.865	3.67
LOCATION	L0000640	VOLUME	490652.952	3610389.199	3.67
LOCATION	L0000641	VOLUME	490649.364	3610398.534	3.66
LOCATION	L0000642	VOLUME	490641.525	3610399.187	3.65
LOCATION	L0000643	VOLUME	490631.951	3610396.298	3.62
LOCATION	L0000644	VOLUME	490622.378	3610393.410	3.60
LOCATION	L0000645	VOLUME	490612.804	3610390.521	3.57
LOCATION	L0000646	VOLUME	490603.230	3610387.632	3.51
LOCATION	L0000647	VOLUME	490593.656	3610384.744	3.44
LOCATION	L0000648	VOLUME	490584.083	3610381.855	3.39
LOCATION	L0000649	VOLUME	490574.509	3610378.967	3.30
LOCATION	L0000650	VOLUME	490564.935	3610376.078	3.20
LOCATION	L0000651	VOLUME	490555.362	3610373.189	3.11
LOCATION	L0000652	VOLUME	490545.788	3610370.301	3.07
LOCATION	L0000653	VOLUME	490536.214	3610367.412	3.05
LOCATION	L0000654	VOLUME	490526.640	3610364.523	3.01
LOCATION	L0000655	VOLUME	490517.067	3610361.635	2.91
LOCATION	L0000656	VOLUME	490507.493	3610358.746	2.81
LOCATION	L0000657	VOLUME	490497.919	3610355.858	2.72
LOCATION	L0000658	VOLUME	490494.581	3610349.650	2.72
LOCATION	L0000659	VOLUME	490497.532	3610340.095	2.77
LOCATION	L0000660	VOLUME	490500.482	3610330.540	2.82
LOCATION	L0000661	VOLUME	490503.432	3610320.985	2.86
LOCATION	L0000662	VOLUME	490506.382	3610311.430	2.93
LOCATION	L0000663	VOLUME	490509.333	3610301.875	2.98
LOCATION	L0000664	VOLUME	490512.283	3610292.320	3.02
LOCATION	L0000665	VOLUME	490515.233	3610282.766	3.01
LOCATION	L0000666	VOLUME	490518.184	3610273.211	2.99
LOCATION	L0000667	VOLUME	490521.134	3610263.656	2.97
LOCATION	L0000668	VOLUME	490524.084	3610254.101	2.95
LOCATION	L0000669	VOLUME	490527.034	3610244.546	2.92
LOCATION	L0000670	VOLUME	490529.985	3610234.991	2.89
LOCATION	L0000671	VOLUME	490532.935	3610225.436	2.89
LOCATION	L0000672	VOLUME	490535.885	3610215.881	2.93
LOCATION	L0000673	VOLUME	490538.836	3610206.327	2.96
LOCATION	L0000674	VOLUME	490541.786	3610196.772	2.98
LOCATION	L0000675	VOLUME	490544.736	3610187.217	2.91
LOCATION	L0000676	VOLUME	490547.686	3610177.662	2.84
LOCATION	L0000677	VOLUME	490550.637	3610168.107	2.79
LOCATION	L0000678	VOLUME	490557.118	3610165.500	2.83
LOCATION	L0000679	VOLUME	490566.576	3610168.749	2.89
LOCATION	L0000680	VOLUME	490576.034	3610171.997	2.97
LOCATION	L0000681	VOLUME	490585.491	3610175.246	3.03
LOCATION	L0000682	VOLUME	490594.949	3610178.494	3.06
LOCATION	L0000683	VOLUME	490604.407	3610181.743	3.07

LOCATION	L0000684	VOLUME	490613.864	3610184.991	3.06
LOCATION	L0000685	VOLUME	490623.322	3610188.240	3.05
LOCATION	L0000686	VOLUME	490632.780	3610191.488	3.04
LOCATION	L0000687	VOLUME	490642.237	3610194.737	3.13
LOCATION	L0000688	VOLUME	490651.695	3610197.985	3.25
LOCATION	L0000689	VOLUME	490661.153	3610201.234	3.37
LOCATION	L0000690	VOLUME	490670.610	3610204.482	3.44
LOCATION	L0000691	VOLUME	490680.068	3610207.731	3.51
LOCATION	L0000692	VOLUME	490689.525	3610210.979	3.57
LOCATION	L0000693	VOLUME	490698.983	3610214.228	3.62
LOCATION	L0000694	VOLUME	490704.872	3610219.134	3.66
LOCATION	L0000695	VOLUME	490701.253	3610228.456	3.67
LOCATION	L0000696	VOLUME	490697.634	3610237.778	3.71
LOCATION	L0000697	VOLUME	490694.015	3610247.100	3.74
LOCATION	L0000698	VOLUME	490690.396	3610256.422	3.78
LOCATION	L0000699	VOLUME	490686.776	3610265.744	3.76
LOCATION	L0000700	VOLUME	490683.157	3610275.066	3.73
LOCATION	L0000701	VOLUME	490679.538	3610284.388	3.68
LOCATION	L0000702	VOLUME	490675.919	3610293.710	3.64
LOCATION	L0000703	VOLUME	490672.300	3610303.032	3.62
LOCATION	L0000704	VOLUME	490668.681	3610312.355	3.61
LOCATION	L0000705	VOLUME	490665.061	3610321.677	3.61
LOCATION	L0000706	VOLUME	490661.442	3610330.999	3.61
LOCATION	L0000707	VOLUME	490657.823	3610340.321	3.62
LOCATION	L0000708	VOLUME	490654.204	3610349.643	3.62
LOCATION	L0000709	VOLUME	490650.585	3610358.965	3.63
LOCATION	L0000710	VOLUME	490646.966	3610368.287	3.63
LOCATION	L0000711	VOLUME	490643.346	3610377.609	3.63
LOCATION	L0000712	VOLUME	490639.727	3610386.931	3.63
LOCATION	L0000713	VOLUME	490630.335	3610384.326	3.60
LOCATION	L0000714	VOLUME	490620.778	3610381.382	3.57
LOCATION	L0000715	VOLUME	490611.221	3610378.438	3.54
LOCATION	L0000716	VOLUME	490601.664	3610375.493	3.49
LOCATION	L0000717	VOLUME	490592.108	3610372.549	3.43
LOCATION	L0000718	VOLUME	490582.551	3610369.605	3.37
LOCATION	L0000719	VOLUME	490572.994	3610366.661	3.28
LOCATION	L0000720	VOLUME	490563.437	3610363.716	3.20
LOCATION	L0000721	VOLUME	490553.881	3610360.772	3.13
LOCATION	L0000722	VOLUME	490544.324	3610357.828	3.11
LOCATION	L0000723	VOLUME	490534.767	3610354.884	3.09
LOCATION	L0000724	VOLUME	490525.210	3610351.939	3.05
LOCATION	L0000725	VOLUME	490515.654	3610348.995	2.93
LOCATION	L0000726	VOLUME	490507.485	3610345.313	2.85
LOCATION	L0000727	VOLUME	490510.387	3610335.743	2.90
LOCATION	L0000728	VOLUME	490513.290	3610326.174	2.94
LOCATION	L0000729	VOLUME	490516.192	3610316.604	2.98
LOCATION	L0000730	VOLUME	490519.094	3610307.034	3.01
LOCATION	L0000731	VOLUME	490521.996	3610297.465	3.03
LOCATION	L0000732	VOLUME	490524.899	3610287.895	3.02
LOCATION	L0000733	VOLUME	490527.801	3610278.326	3.00

LOCATION	L0000734	VOLUME	490530.703	3610268.756	2.98
LOCATION	L0000735	VOLUME	490533.605	3610259.186	2.97
LOCATION	L0000736	VOLUME	490536.508	3610249.617	2.95
LOCATION	L0000737	VOLUME	490539.410	3610240.047	2.94
LOCATION	L0000738	VOLUME	490542.312	3610230.478	2.92
LOCATION	L0000739	VOLUME	490545.214	3610220.908	2.94
LOCATION	L0000740	VOLUME	490548.117	3610211.339	2.96
LOCATION	L0000741	VOLUME	490551.019	3610201.769	2.98
LOCATION	L0000742	VOLUME	490553.921	3610192.199	2.96
LOCATION	L0000743	VOLUME	490557.175	3610183.302	2.92
LOCATION	L0000744	VOLUME	490566.695	3610186.363	2.99
LOCATION	L0000745	VOLUME	490576.215	3610189.425	3.06
LOCATION	L0000746	VOLUME	490585.735	3610192.487	3.09
LOCATION	L0000747	VOLUME	490595.255	3610195.548	3.06
LOCATION	L0000748	VOLUME	490604.774	3610198.610	3.03
LOCATION	L0000749	VOLUME	490614.294	3610201.671	3.03
LOCATION	L0000750	VOLUME	490623.814	3610204.733	3.05
LOCATION	L0000751	VOLUME	490633.334	3610207.795	3.07
LOCATION	L0000752	VOLUME	490642.853	3610210.856	3.20
LOCATION	L0000753	VOLUME	490652.373	3610213.918	3.32
LOCATION	L0000754	VOLUME	490661.893	3610216.980	3.42
LOCATION	L0000755	VOLUME	490671.413	3610220.041	3.49
LOCATION	L0000756	VOLUME	490680.933	3610223.103	3.55
LOCATION	L0000757	VOLUME	490689.561	3610226.593	3.60
LOCATION	L0000758	VOLUME	490686.003	3610235.938	3.63
LOCATION	L0000759	VOLUME	490682.444	3610245.284	3.66
LOCATION	L0000760	VOLUME	490678.886	3610254.629	3.68
LOCATION	L0000761	VOLUME	490675.328	3610263.975	3.67
LOCATION	L0000762	VOLUME	490671.770	3610273.321	3.62
LOCATION	L0000763	VOLUME	490668.211	3610282.666	3.57
LOCATION	L0000764	VOLUME	490664.653	3610292.012	3.53
LOCATION	L0000765	VOLUME	490661.095	3610301.357	3.53
LOCATION	L0000766	VOLUME	490657.537	3610310.703	3.54
LOCATION	L0000767	VOLUME	490653.979	3610320.048	3.56
LOCATION	L0000768	VOLUME	490650.420	3610329.394	3.57
LOCATION	L0000769	VOLUME	490646.862	3610338.739	3.58
LOCATION	L0000770	VOLUME	490643.304	3610348.085	3.59
LOCATION	L0000771	VOLUME	490639.746	3610357.430	3.60
LOCATION	L0000772	VOLUME	490636.187	3610366.776	3.60
LOCATION	L0000773	VOLUME	490628.619	3610368.169	3.58
LOCATION	L0000774	VOLUME	490618.989	3610365.474	3.54
LOCATION	L0000775	VOLUME	490609.359	3610362.779	3.51
LOCATION	L0000776	VOLUME	490599.729	3610360.085	3.46
LOCATION	L0000777	VOLUME	490590.099	3610357.390	3.40
LOCATION	L0000778	VOLUME	490580.469	3610354.695	3.34
LOCATION	L0000779	VOLUME	490570.838	3610352.000	3.27
LOCATION	L0000780	VOLUME	490561.208	3610349.305	3.20
LOCATION	L0000781	VOLUME	490551.578	3610346.610	3.15
LOCATION	L0000782	VOLUME	490541.948	3610343.916	3.12
LOCATION	L0000783	VOLUME	490532.318	3610341.221	3.10

LOCATION	L0000784	VOLUME	490522.688	3610338.526	3.03
LOCATION	L0000785	VOLUME	490518.918	3610332.662	2.99
LOCATION	L0000786	VOLUME	490521.934	3610323.127	3.03
LOCATION	L0000787	VOLUME	490524.950	3610313.593	3.05
LOCATION	L0000788	VOLUME	490527.966	3610304.059	3.05
LOCATION	L0000789	VOLUME	490530.982	3610294.524	3.04
LOCATION	L0000790	VOLUME	490533.998	3610284.990	3.03
LOCATION	L0000791	VOLUME	490537.014	3610275.456	3.02
LOCATION	L0000792	VOLUME	490540.030	3610265.921	3.01
LOCATION	L0000793	VOLUME	490543.046	3610256.387	2.99
LOCATION	L0000794	VOLUME	490546.062	3610246.852	2.98
LOCATION	L0000795	VOLUME	490549.078	3610237.318	2.96
LOCATION	L0000796	VOLUME	490552.094	3610227.784	2.95
LOCATION	L0000797	VOLUME	490555.110	3610218.249	2.97
LOCATION	L0000798	VOLUME	490558.126	3610208.715	3.00
LOCATION	L0000799	VOLUME	490561.142	3610199.181	3.03
LOCATION	L0000800	VOLUME	490567.771	3610196.735	3.06
LOCATION	L0000801	VOLUME	490577.257	3610199.897	3.11
LOCATION	L0000802	VOLUME	490586.744	3610203.060	3.11
LOCATION	L0000803	VOLUME	490596.231	3610206.222	3.09
LOCATION	L0000804	VOLUME	490605.718	3610209.384	3.08
LOCATION	L0000805	VOLUME	490615.205	3610212.546	3.09
LOCATION	L0000806	VOLUME	490624.692	3610215.709	3.11
LOCATION	L0000807	VOLUME	490634.178	3610218.871	3.15
LOCATION	L0000808	VOLUME	490643.665	3610222.033	3.26
LOCATION	L0000809	VOLUME	490653.152	3610225.196	3.37
LOCATION	L0000810	VOLUME	490662.639	3610228.358	3.46
LOCATION	L0000811	VOLUME	490672.126	3610231.520	3.52
LOCATION	L0000812	VOLUME	490675.291	3610237.659	3.57
LOCATION	L0000813	VOLUME	490671.686	3610246.986	3.59
LOCATION	L0000814	VOLUME	490668.080	3610256.313	3.60
LOCATION	L0000815	VOLUME	490664.474	3610265.641	3.56
LOCATION	L0000816	VOLUME	490660.868	3610274.968	3.51
LOCATION	L0000817	VOLUME	490657.263	3610284.295	3.47
LOCATION	L0000818	VOLUME	490653.657	3610293.623	3.47
LOCATION	L0000819	VOLUME	490650.051	3610302.950	3.49
LOCATION	L0000820	VOLUME	490646.446	3610312.277	3.51
LOCATION	L0000821	VOLUME	490642.840	3610321.605	3.53
LOCATION	L0000822	VOLUME	490639.234	3610330.932	3.54
LOCATION	L0000823	VOLUME	490635.628	3610340.259	3.55
LOCATION	L0000824	VOLUME	490632.023	3610349.587	3.56
LOCATION	L0000825	VOLUME	490628.417	3610358.914	3.57
LOCATION	L0000826	VOLUME	490620.044	3610358.421	3.54
LOCATION	L0000827	VOLUME	490610.485	3610355.485	3.50
LOCATION	L0000828	VOLUME	490600.925	3610352.549	3.45
LOCATION	L0000829	VOLUME	490591.366	3610349.613	3.39
LOCATION	L0000830	VOLUME	490581.807	3610346.677	3.33
LOCATION	L0000831	VOLUME	490572.248	3610343.741	3.26
LOCATION	L0000832	VOLUME	490562.688	3610340.805	3.20
LOCATION	L0000833	VOLUME	490553.129	3610337.869	3.14

LOCATION	L0000834	VOLUME	490543.570	3610334.933	3.12
LOCATION	L0000835	VOLUME	490534.011	3610331.997	3.10
LOCATION	L0000836	VOLUME	490531.550	3610325.265	3.09
LOCATION	L0000837	VOLUME	490534.416	3610315.684	3.09
LOCATION	L0000838	VOLUME	490537.282	3610306.104	3.08
LOCATION	L0000839	VOLUME	490540.148	3610296.524	3.07
LOCATION	L0000840	VOLUME	490543.014	3610286.943	3.06
LOCATION	L0000841	VOLUME	490545.881	3610277.363	3.05
LOCATION	L0000842	VOLUME	490548.747	3610267.782	3.04
LOCATION	L0000843	VOLUME	490551.613	3610258.202	3.03
LOCATION	L0000844	VOLUME	490554.479	3610248.621	3.01
LOCATION	L0000845	VOLUME	490557.345	3610239.041	3.00
LOCATION	L0000846	VOLUME	490560.211	3610229.460	3.00
LOCATION	L0000847	VOLUME	490563.078	3610219.880	3.02
LOCATION	L0000848	VOLUME	490565.944	3610210.300	3.05
LOCATION	L0000849	VOLUME	490571.519	3610206.016	3.08
LOCATION	L0000850	VOLUME	490580.964	3610209.300	3.13
LOCATION	L0000851	VOLUME	490590.410	3610212.584	3.12
LOCATION	L0000852	VOLUME	490599.855	3610215.868	3.12
LOCATION	L0000853	VOLUME	490609.301	3610219.152	3.13
LOCATION	L0000854	VOLUME	490618.746	3610222.435	3.15
LOCATION	L0000855	VOLUME	490628.192	3610225.719	3.17
LOCATION	L0000856	VOLUME	490637.637	3610229.003	3.23
LOCATION	L0000857	VOLUME	490647.082	3610232.287	3.33
LOCATION	L0000858	VOLUME	490656.528	3610235.571	3.43
LOCATION	L0000859	VOLUME	490664.716	3610239.433	3.51
LOCATION	L0000860	VOLUME	490661.056	3610248.739	3.51
LOCATION	L0000861	VOLUME	490657.397	3610258.046	3.50
LOCATION	L0000862	VOLUME	490653.738	3610267.352	3.47
LOCATION	L0000863	VOLUME	490650.079	3610276.659	3.44
LOCATION	L0000864	VOLUME	490646.420	3610285.965	3.44
LOCATION	L0000865	VOLUME	490642.760	3610295.272	3.45
LOCATION	L0000866	VOLUME	490639.101	3610304.578	3.47
LOCATION	L0000867	VOLUME	490635.442	3610313.885	3.48
LOCATION	L0000868	VOLUME	490631.783	3610323.191	3.49
LOCATION	L0000869	VOLUME	490628.124	3610332.498	3.51
LOCATION	L0000870	VOLUME	490624.464	3610341.804	3.52
LOCATION	L0000871	VOLUME	490620.805	3610351.110	3.53
LOCATION	L0000872	VOLUME	490611.502	3610348.148	3.49
LOCATION	L0000873	VOLUME	490602.054	3610344.871	3.44
LOCATION	L0000874	VOLUME	490592.606	3610341.594	3.37
LOCATION	L0000875	VOLUME	490583.158	3610338.317	3.31
LOCATION	L0000876	VOLUME	490573.711	3610335.040	3.25
LOCATION	L0000877	VOLUME	490564.263	3610331.763	3.19
LOCATION	L0000878	VOLUME	490554.815	3610328.486	3.14
LOCATION	L0000879	VOLUME	490545.367	3610325.209	3.12
LOCATION	L0000880	VOLUME	490545.456	3610317.107	3.11
LOCATION	L0000881	VOLUME	490548.412	3610307.554	3.10
LOCATION	L0000882	VOLUME	490551.368	3610298.001	3.09
LOCATION	L0000883	VOLUME	490554.325	3610288.448	3.09

LOCATION	L0000884	VOLUME	490557.281	3610278.895	3.08
LOCATION	L0000885	VOLUME	490560.237	3610269.342	3.07
LOCATION	L0000886	VOLUME	490563.193	3610259.789	3.07
LOCATION	L0000887	VOLUME	490566.149	3610250.235	3.07
LOCATION	L0000888	VOLUME	490569.105	3610240.682	3.07
LOCATION	L0000889	VOLUME	490572.062	3610231.129	3.08
LOCATION	L0000890	VOLUME	490575.018	3610221.576	3.10
LOCATION	L0000891	VOLUME	490581.489	3610219.103	3.14
LOCATION	L0000892	VOLUME	490590.885	3610222.524	3.14
LOCATION	L0000893	VOLUME	490600.282	3610225.945	3.15
LOCATION	L0000894	VOLUME	490609.679	3610229.366	3.17
LOCATION	L0000895	VOLUME	490619.075	3610232.787	3.19
LOCATION	L0000896	VOLUME	490628.472	3610236.208	3.20
LOCATION	L0000897	VOLUME	490637.869	3610239.629	3.27
LOCATION	L0000898	VOLUME	490647.265	3610243.049	3.37
LOCATION	L0000899	VOLUME	490650.512	3610249.347	3.42
LOCATION	L0000900	VOLUME	490647.116	3610258.753	3.41
LOCATION	L0000901	VOLUME	490643.720	3610268.159	3.40
LOCATION	L0000902	VOLUME	490640.324	3610277.564	3.39
LOCATION	L0000903	VOLUME	490636.928	3610286.970	3.41
LOCATION	L0000904	VOLUME	490633.532	3610296.375	3.43
LOCATION	L0000905	VOLUME	490630.136	3610305.781	3.44
LOCATION	L0000906	VOLUME	490626.739	3610315.187	3.46
LOCATION	L0000907	VOLUME	490623.343	3610324.592	3.47
LOCATION	L0000908	VOLUME	490619.947	3610333.998	3.48
LOCATION	L0000909	VOLUME	490614.746	3610339.744	3.48
LOCATION	L0000910	VOLUME	490605.215	3610336.715	3.43
LOCATION	L0000911	VOLUME	490595.685	3610333.686	3.37
LOCATION	L0000912	VOLUME	490586.155	3610330.657	3.30
LOCATION	L0000913	VOLUME	490576.625	3610327.628	3.24
LOCATION	L0000914	VOLUME	490567.095	3610324.599	3.19
LOCATION	L0000915	VOLUME	490557.564	3610321.570	3.14
LOCATION	L0000916	VOLUME	490553.862	3610315.531	3.12
LOCATION	L0000917	VOLUME	490556.908	3610306.006	3.12
LOCATION	L0000918	VOLUME	490559.954	3610296.481	3.11
LOCATION	L0000919	VOLUME	490563.000	3610286.956	3.11
LOCATION	L0000920	VOLUME	490566.046	3610277.432	3.10
LOCATION	L0000921	VOLUME	490569.092	3610267.907	3.10
LOCATION	L0000922	VOLUME	490572.137	3610258.382	3.10
LOCATION	L0000923	VOLUME	490575.183	3610248.857	3.11
LOCATION	L0000924	VOLUME	490578.229	3610239.332	3.12
LOCATION	L0000925	VOLUME	490581.275	3610229.807	3.14
LOCATION	L0000926	VOLUME	490588.716	3610229.123	3.15
LOCATION	L0000927	VOLUME	490598.148	3610232.445	3.16
LOCATION	L0000928	VOLUME	490607.580	3610235.768	3.18
LOCATION	L0000929	VOLUME	490617.012	3610239.090	3.20
LOCATION	L0000930	VOLUME	490626.444	3610242.412	3.22
LOCATION	L0000931	VOLUME	490635.876	3610245.734	3.27
LOCATION	L0000932	VOLUME	490644.287	3610249.549	3.36
LOCATION	L0000933	VOLUME	490641.025	3610259.003	3.35

LOCATION	L0000934	VOLUME	490637.764	3610268.456	3.35
LOCATION	L0000935	VOLUME	490634.502	3610277.909	3.37
LOCATION	L0000936	VOLUME	490631.240	3610287.362	3.39
LOCATION	L0000937	VOLUME	490627.979	3610296.815	3.41
LOCATION	L0000938	VOLUME	490624.717	3610306.268	3.42
LOCATION	L0000939	VOLUME	490621.456	3610315.721	3.44
LOCATION	L0000940	VOLUME	490618.194	3610325.175	3.45
LOCATION	L0000941	VOLUME	490614.932	3610334.628	3.47
LOCATION	L0000942	VOLUME	490605.722	3610332.148	3.42
LOCATION	L0000943	VOLUME	490596.210	3610329.063	3.36
LOCATION	L0000944	VOLUME	490586.698	3610325.978	3.29
LOCATION	L0000945	VOLUME	490577.185	3610322.893	3.23
LOCATION	L0000946	VOLUME	490567.673	3610319.808	3.18
LOCATION	L0000947	VOLUME	490558.952	3610316.319	3.14
LOCATION	L0000948	VOLUME	490562.028	3610306.804	3.14
LOCATION	L0000949	VOLUME	490565.104	3610297.289	3.13
LOCATION	L0000950	VOLUME	490568.180	3610287.774	3.12
LOCATION	L0000951	VOLUME	490571.256	3610278.258	3.12
LOCATION	L0000952	VOLUME	490574.332	3610268.743	3.12
LOCATION	L0000953	VOLUME	490577.407	3610259.228	3.12
LOCATION	L0000954	VOLUME	490580.483	3610249.713	3.13
LOCATION	L0000955	VOLUME	490583.559	3610240.198	3.14
LOCATION	L0000956	VOLUME	490588.448	3610234.346	3.15
LOCATION	L0000957	VOLUME	490597.879	3610237.672	3.17
LOCATION	L0000958	VOLUME	490607.310	3610240.998	3.18
LOCATION	L0000959	VOLUME	490616.741	3610244.324	3.20
LOCATION	L0000960	VOLUME	490626.171	3610247.650	3.23
LOCATION	L0000961	VOLUME	490635.602	3610250.976	3.28
LOCATION	L0000962	VOLUME	490635.500	3610258.860	3.30
LOCATION	L0000963	VOLUME	490632.169	3610268.289	3.31
LOCATION	L0000964	VOLUME	490628.837	3610277.717	3.34
LOCATION	L0000965	VOLUME	490625.506	3610287.146	3.37
LOCATION	L0000966	VOLUME	490622.174	3610296.575	3.39
LOCATION	L0000967	VOLUME	490618.843	3610306.004	3.40
LOCATION	L0000968	VOLUME	490615.511	3610315.432	3.42
LOCATION	L0000969	VOLUME	490612.180	3610324.861	3.43
LOCATION	L0000970	VOLUME	490604.445	3610325.184	3.40
LOCATION	L0000971	VOLUME	490594.986	3610321.941	3.33
LOCATION	L0000972	VOLUME	490585.526	3610318.698	3.26
LOCATION	L0000973	VOLUME	490576.067	3610315.454	3.20
LOCATION	L0000974	VOLUME	490567.235	3610311.892	3.16
LOCATION	L0000975	VOLUME	490570.187	3610302.338	3.15
LOCATION	L0000976	VOLUME	490573.140	3610292.784	3.14
LOCATION	L0000977	VOLUME	490576.092	3610283.230	3.14
LOCATION	L0000978	VOLUME	490579.045	3610273.675	3.14
LOCATION	L0000979	VOLUME	490581.997	3610264.121	3.14
LOCATION	L0000980	VOLUME	490584.950	3610254.567	3.14
LOCATION	L0000981	VOLUME	490587.902	3610245.013	3.15
LOCATION	L0000982	VOLUME	490593.642	3610241.424	3.16
LOCATION	L0000983	VOLUME	490602.864	3610245.290	3.18

LOCATION	L0000984	VOLUME	490612.087	3610249.155	3.20
LOCATION	L0000985	VOLUME	490621.310	3610253.021	3.23
LOCATION	L0000986	VOLUME	490630.532	3610256.887	3.26
LOCATION	L0000987	VOLUME	490628.631	3610265.575	3.29
LOCATION	L0000988	VOLUME	490625.149	3610274.949	3.32
LOCATION	L0000989	VOLUME	490621.666	3610284.323	3.34
LOCATION	L0000990	VOLUME	490618.183	3610293.697	3.36
LOCATION	L0000991	VOLUME	490614.700	3610303.071	3.38
LOCATION	L0000992	VOLUME	490611.218	3610312.445	3.39
LOCATION	L0000993	VOLUME	490607.348	3610320.986	3.40
LOCATION	L0000994	VOLUME	490597.936	3610317.606	3.33
LOCATION	L0000995	VOLUME	490588.525	3610314.226	3.27
LOCATION	L0000996	VOLUME	490579.113	3610310.845	3.20
LOCATION	L0000997	VOLUME	490572.982	3610305.900	3.17
LOCATION	L0000998	VOLUME	490576.275	3610296.458	3.16
LOCATION	L0000999	VOLUME	490579.568	3610287.016	3.15
LOCATION	L0001000	VOLUME	490582.861	3610277.573	3.16
LOCATION	L0001001	VOLUME	490586.154	3610268.131	3.16
LOCATION	L0001002	VOLUME	490589.447	3610258.689	3.15
LOCATION	L0001003	VOLUME	490592.739	3610249.246	3.16
LOCATION	L0001004	VOLUME	490601.484	3610251.438	3.18
LOCATION	L0001005	VOLUME	490610.848	3610254.949	3.21
LOCATION	L0001006	VOLUME	490620.211	3610258.461	3.24
LOCATION	L0001007	VOLUME	490623.780	3610264.592	3.27
LOCATION	L0001008	VOLUME	490620.233	3610273.941	3.30
LOCATION	L0001009	VOLUME	490616.685	3610283.291	3.32
LOCATION	L0001010	VOLUME	490613.137	3610292.640	3.34
LOCATION	L0001011	VOLUME	490609.589	3610301.990	3.35
LOCATION	L0001012	VOLUME	490606.041	3610311.339	3.37
LOCATION	L0001013	VOLUME	490600.117	3610315.584	3.34
LOCATION	L0001014	VOLUME	490590.679	3610312.281	3.28
LOCATION	L0001015	VOLUME	490581.240	3610308.977	3.21
LOCATION	L0001016	VOLUME	490580.888	3610301.123	3.19
LOCATION	L0001017	VOLUME	490583.894	3610291.585	3.18
LOCATION	L0001018	VOLUME	490586.901	3610282.048	3.18
LOCATION	L0001019	VOLUME	490589.908	3610272.511	3.18
LOCATION	L0001020	VOLUME	490592.915	3610262.974	3.17
LOCATION	L0001021	VOLUME	490598.271	3610257.936	3.18
LOCATION	L0001022	VOLUME	490607.816	3610260.918	3.21
LOCATION	L0001023	VOLUME	490617.361	3610263.901	3.25
LOCATION	L0001024	VOLUME	490616.035	3610272.070	3.28
LOCATION	L0001025	VOLUME	490612.348	3610281.365	3.30
LOCATION	L0001026	VOLUME	490608.661	3610290.661	3.32
LOCATION	L0001027	VOLUME	490604.974	3610299.956	3.33
LOCATION	L0001028	VOLUME	490601.287	3610309.252	3.33
LOCATION	L0001029	VOLUME	490592.078	3610306.381	3.27
LOCATION	L0001030	VOLUME	490586.429	3610301.167	3.22
LOCATION	L0001031	VOLUME	490589.481	3610291.644	3.21
LOCATION	L0001032	VOLUME	490592.533	3610282.121	3.21
LOCATION	L0001033	VOLUME	490595.585	3610272.598	3.20

LOCATION	L0001034	VOLUME	490599.720	3610265.238	3.20
LOCATION	L0001035	VOLUME	490609.171	3610268.503	3.24
LOCATION	L0001036	VOLUME	490609.627	3610276.074	3.27
LOCATION	L0001037	VOLUME	490606.242	3610285.484	3.29
LOCATION	L0001038	VOLUME	490602.858	3610294.894	3.30
LOCATION	L0001039	VOLUME	490599.473	3610304.304	3.31
LOCATION	L0001040	VOLUME	490593.371	3610300.030	3.26
LOCATION	L0001041	VOLUME	490596.416	3610290.505	3.25
LOCATION	L0001042	VOLUME	490599.461	3610280.980	3.24

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000002	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000003	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000004	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000005	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000006	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000007	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000008	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000009	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000010	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000011	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000012	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000013	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000014	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000015	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000016	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000017	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000018	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000019	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000020	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000021	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000022	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000023	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000024	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000025	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000026	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000027	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000028	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000029	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000030	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000031	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000032	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000033	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000034	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000035	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000036	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000037	0.0009596929	5.00	4.65	4.65
SRCPARAM	L0000038	0.0009596929	5.00	4.65	4.65

SRCPARAM L0001039	0.0009596929	5.00	4.65	4.65
SRCPARAM L0001040	0.0009596929	5.00	4.65	4.65
SRCPARAM L0001041	0.0009596929	5.00	4.65	4.65
SRCPARAM L0001042	0.0009596929	5.00	4.65	4.65

** -----

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Rohr Wohl Construction.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE CVA_2010_2012_sigma_v22112.SFC

PROFFILE CVA_2010_2012_sigma_v22112.PFL

SURFDATA 23188 2010 SAN_DIEGO/LINDBERGH_FIELD

UAIRDATA 3190 2010

SITEDATA 1 2010

PROFBASE 55.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "Rohr Wohl Construction.AD\01H1GALL.PLT" 31

PLOTFILE PERIOD ALL "Rohr Wohl Construction.AD\PE00GALL.PLT" 32

SUMMFILE "Rohr Wohl Construction.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

MX W403 2229 PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Rohr Wohl Constru *** 09/28/23
*** AERMET - VERSION 22112 *** ***
*** 11:43:41

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** MODEL SETUP OPTIONS SUMMARY

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses RURAL Dispersion Only.
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1042 Source(s); 1 Source Group(s); and 954 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1042 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 22112

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and

Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 55.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.0 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Rohr Wohl Construction.err

**File for Summary of Results: Rohr Wohl Construction.sum

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Constru *** 09/28/23
 *** AERMET - VERSION 22112 *** ***
 *** 11:43:41

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000001		0	0.95969E-03	490390.8	3610370.1	2.6	5.00	4.65
4.65	NO							
L0000002		0	0.95969E-03	490393.7	3610360.5	2.6	5.00	4.65
4.65	NO							
L0000003		0	0.95969E-03	490396.7	3610350.9	2.5	5.00	4.65
4.65	NO							
L0000004		0	0.95969E-03	490399.6	3610341.4	2.7	5.00	4.65
4.65	NO							
L0000005		0	0.95969E-03	490402.5	3610331.8	2.8	5.00	4.65
4.65	NO							
L0000006		0	0.95969E-03	490405.5	3610322.3	2.9	5.00	4.65
4.65	NO							
L0000007		0	0.95969E-03	490408.4	3610312.7	2.9	5.00	4.65
4.65	NO							
L0000008		0	0.95969E-03	490411.3	3610303.1	2.9	5.00	4.65
4.65	NO							
L0000009		0	0.95969E-03	490414.3	3610293.6	2.9	5.00	4.65
4.65	NO							
L0000010		0	0.95969E-03	490417.2	3610284.0	2.9	5.00	4.65
4.65	NO							
L0000011		0	0.95969E-03	490420.1	3610274.5	2.9	5.00	4.65
4.65	NO							
L0000012		0	0.95969E-03	490423.1	3610264.9	2.8	5.00	4.65
4.65	NO							
L0000013		0	0.95969E-03	490426.0	3610255.3	2.9	5.00	4.65
4.65	NO							
L0000014		0	0.95969E-03	490429.0	3610245.8	3.0	5.00	4.65
4.65	NO							
L0000015		0	0.95969E-03	490431.9	3610236.2	3.0	5.00	4.65
4.65	NO							

L0000016	0	0.95969E-03	490434.8	3610226.7	3.0	5.00	4.65
4.65 NO							
L0000017	0	0.95969E-03	490437.8	3610217.1	3.0	5.00	4.65
4.65 NO							
L0000018	0	0.95969E-03	490440.7	3610207.5	2.9	5.00	4.65
4.65 NO							
L0000019	0	0.95969E-03	490443.6	3610198.0	2.8	5.00	4.65
4.65 NO							
L0000020	0	0.95969E-03	490446.6	3610188.4	2.8	5.00	4.65
4.65 NO							
L0000021	0	0.95969E-03	490449.5	3610178.9	2.8	5.00	4.65
4.65 NO							
L0000022	0	0.95969E-03	490452.4	3610169.3	2.9	5.00	4.65
4.65 NO							
L0000023	0	0.95969E-03	490455.4	3610159.7	3.0	5.00	4.65
4.65 NO							
L0000024	0	0.95969E-03	490458.3	3610150.2	3.0	5.00	4.65
4.65 NO							
L0000025	0	0.95969E-03	490461.2	3610140.6	3.0	5.00	4.65
4.65 NO							
L0000026	0	0.95969E-03	490464.2	3610131.1	3.0	5.00	4.65
4.65 NO							
L0000027	0	0.95969E-03	490467.1	3610121.5	3.0	5.00	4.65
4.65 NO							
L0000028	0	0.95969E-03	490470.0	3610111.9	2.9	5.00	4.65
4.65 NO							
L0000029	0	0.95969E-03	490473.0	3610102.4	2.9	5.00	4.65
4.65 NO							
L0000030	0	0.95969E-03	490475.9	3610092.8	3.0	5.00	4.65
4.65 NO							
L0000031	0	0.95969E-03	490478.8	3610083.3	3.2	5.00	4.65
4.65 NO							
L0000032	0	0.95969E-03	490481.8	3610073.7	3.3	5.00	4.65
4.65 NO							
L0000033	0	0.95969E-03	490484.7	3610064.1	3.3	5.00	4.65
4.65 NO							
L0000034	0	0.95969E-03	490487.6	3610054.6	3.2	5.00	4.65
4.65 NO							
L0000035	0	0.95969E-03	490491.7	3610047.1	3.1	5.00	4.65
4.65 NO							
L0000036	0	0.95969E-03	490501.2	3610050.2	2.9	5.00	4.65
4.65 NO							
L0000037	0	0.95969E-03	490510.7	3610053.3	2.9	5.00	4.65
4.65 NO							
L0000038	0	0.95969E-03	490520.2	3610056.4	2.9	5.00	4.65
4.65 NO							
L0000039	0	0.95969E-03	490529.7	3610059.4	2.9	5.00	4.65
4.65 NO							
L0000040	0	0.95969E-03	490539.2	3610062.5	2.9	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000041		0	0.95969E-03	490548.8	3610065.6	2.8	5.00	4.65
4.65	NO							
L0000042		0	0.95969E-03	490558.3	3610068.7	2.8	5.00	4.65
4.65	NO							
L0000043		0	0.95969E-03	490567.8	3610071.8	2.8	5.00	4.65
4.65	NO							
L0000044		0	0.95969E-03	490577.3	3610074.8	2.8	5.00	4.65
4.65	NO							
L0000045		0	0.95969E-03	490586.8	3610077.9	2.8	5.00	4.65
4.65	NO							
L0000046		0	0.95969E-03	490596.3	3610081.0	2.9	5.00	4.65
4.65	NO							
L0000047		0	0.95969E-03	490605.9	3610084.1	2.9	5.00	4.65
4.65	NO							
L0000048		0	0.95969E-03	490615.4	3610087.1	3.0	5.00	4.65
4.65	NO							
L0000049		0	0.95969E-03	490624.9	3610090.2	3.0	5.00	4.65
4.65	NO							
L0000050		0	0.95969E-03	490634.4	3610093.3	3.0	5.00	4.65
4.65	NO							
L0000051		0	0.95969E-03	490643.9	3610096.4	3.0	5.00	4.65
4.65	NO							
L0000052		0	0.95969E-03	490653.4	3610099.4	3.0	5.00	4.65
4.65	NO							
L0000053		0	0.95969E-03	490662.9	3610102.5	3.1	5.00	4.65
4.65	NO							
L0000054		0	0.95969E-03	490672.5	3610105.6	3.1	5.00	4.65
4.65	NO							
L0000055		0	0.95969E-03	490682.0	3610108.7	3.2	5.00	4.65
4.65	NO							

L0000056	0	0.95969E-03	490691.5	3610111.8	3.4	5.00	4.65
4.65 NO							
L0000057	0	0.95969E-03	490701.0	3610114.8	3.5	5.00	4.65
4.65 NO							
L0000058	0	0.95969E-03	490710.5	3610117.9	3.6	5.00	4.65
4.65 NO							
L0000059	0	0.95969E-03	490720.0	3610121.0	3.6	5.00	4.65
4.65 NO							
L0000060	0	0.95969E-03	490729.5	3610124.1	3.6	5.00	4.65
4.65 NO							
L0000061	0	0.95969E-03	490739.1	3610127.1	3.6	5.00	4.65
4.65 NO							
L0000062	0	0.95969E-03	490748.6	3610130.2	3.7	5.00	4.65
4.65 NO							
L0000063	0	0.95969E-03	490758.1	3610133.3	3.7	5.00	4.65
4.65 NO							
L0000064	0	0.95969E-03	490767.6	3610136.4	3.7	5.00	4.65
4.65 NO							
L0000065	0	0.95969E-03	490777.1	3610139.4	3.7	5.00	4.65
4.65 NO							
L0000066	0	0.95969E-03	490786.6	3610142.5	3.6	5.00	4.65
4.65 NO							
L0000067	0	0.95969E-03	490796.2	3610145.6	3.6	5.00	4.65
4.65 NO							
L0000068	0	0.95969E-03	490805.7	3610148.7	3.7	5.00	4.65
4.65 NO							
L0000069	0	0.95969E-03	490815.2	3610151.8	3.8	5.00	4.65
4.65 NO							
L0000070	0	0.95969E-03	490824.7	3610154.8	3.8	5.00	4.65
4.65 NO							
L0000071	0	0.95969E-03	490832.9	3610158.6	3.9	5.00	4.65
4.65 NO							
L0000072	0	0.95969E-03	490829.6	3610168.0	3.9	5.00	4.65
4.65 NO							
L0000073	0	0.95969E-03	490826.3	3610177.4	3.9	5.00	4.65
4.65 NO							
L0000074	0	0.95969E-03	490823.0	3610186.9	4.0	5.00	4.65
4.65 NO							
L0000075	0	0.95969E-03	490819.7	3610196.3	4.0	5.00	4.65
4.65 NO							
L0000076	0	0.95969E-03	490816.4	3610205.7	4.0	5.00	4.65
4.65 NO							
L0000077	0	0.95969E-03	490813.1	3610215.2	4.0	5.00	4.65
4.65 NO							
L0000078	0	0.95969E-03	490809.8	3610224.6	4.0	5.00	4.65
4.65 NO							
L0000079	0	0.95969E-03	490806.4	3610234.0	4.1	5.00	4.65
4.65 NO							
L0000080	0	0.95969E-03	490803.1	3610243.5	4.2	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000081		0	0.95969E-03	490799.8	3610252.9	4.3	5.00	4.65
4.65	NO							
L0000082		0	0.95969E-03	490796.5	3610262.4	4.3	5.00	4.65
4.65	NO							
L0000083		0	0.95969E-03	490793.2	3610271.8	4.2	5.00	4.65
4.65	NO							
L0000084		0	0.95969E-03	490789.9	3610281.2	4.2	5.00	4.65
4.65	NO							
L0000085		0	0.95969E-03	490786.6	3610290.7	4.1	5.00	4.65
4.65	NO							
L0000086		0	0.95969E-03	490783.3	3610300.1	4.2	5.00	4.65
4.65	NO							
L0000087		0	0.95969E-03	490780.0	3610309.5	4.3	5.00	4.65
4.65	NO							
L0000088		0	0.95969E-03	490776.7	3610319.0	4.3	5.00	4.65
4.65	NO							
L0000089		0	0.95969E-03	490773.4	3610328.4	4.3	5.00	4.65
4.65	NO							
L0000090		0	0.95969E-03	490770.1	3610337.9	4.3	5.00	4.65
4.65	NO							
L0000091		0	0.95969E-03	490766.7	3610347.3	4.3	5.00	4.65
4.65	NO							
L0000092		0	0.95969E-03	490763.4	3610356.7	4.3	5.00	4.65
4.65	NO							
L0000093		0	0.95969E-03	490760.1	3610366.2	4.4	5.00	4.65
4.65	NO							
L0000094		0	0.95969E-03	490756.8	3610375.6	4.5	5.00	4.65
4.65	NO							
L0000095		0	0.95969E-03	490753.5	3610385.0	4.5	5.00	4.65
4.65	NO							

L0000096	0	0.95969E-03	490750.2	3610394.5	4.5	5.00	4.65
4.65 NO							
L0000097	0	0.95969E-03	490746.9	3610403.9	4.5	5.00	4.65
4.65 NO							
L0000098	0	0.95969E-03	490743.6	3610413.3	4.5	5.00	4.65
4.65 NO							
L0000099	0	0.95969E-03	490740.3	3610422.8	4.5	5.00	4.65
4.65 NO							
L0000100	0	0.95969E-03	490737.0	3610432.2	4.5	5.00	4.65
4.65 NO							
L0000101	0	0.95969E-03	490733.7	3610441.7	4.6	5.00	4.65
4.65 NO							
L0000102	0	0.95969E-03	490730.4	3610451.1	4.5	5.00	4.65
4.65 NO							
L0000103	0	0.95969E-03	490727.0	3610460.5	4.5	5.00	4.65
4.65 NO							
L0000104	0	0.95969E-03	490723.7	3610470.0	4.5	5.00	4.65
4.65 NO							
L0000105	0	0.95969E-03	490720.4	3610479.4	4.5	5.00	4.65
4.65 NO							
L0000106	0	0.95969E-03	490717.1	3610488.8	4.6	5.00	4.65
4.65 NO							
L0000107	0	0.95969E-03	490709.8	3610490.1	4.6	5.00	4.65
4.65 NO							
L0000108	0	0.95969E-03	490700.3	3610486.9	4.5	5.00	4.65
4.65 NO							
L0000109	0	0.95969E-03	490690.8	3610483.8	4.3	5.00	4.65
4.65 NO							
L0000110	0	0.95969E-03	490681.3	3610480.6	4.1	5.00	4.65
4.65 NO							
L0000111	0	0.95969E-03	490671.8	3610477.5	4.0	5.00	4.65
4.65 NO							
L0000112	0	0.95969E-03	490662.3	3610474.3	3.8	5.00	4.65
4.65 NO							
L0000113	0	0.95969E-03	490652.8	3610471.2	3.7	5.00	4.65
4.65 NO							
L0000114	0	0.95969E-03	490643.3	3610468.1	3.6	5.00	4.65
4.65 NO							
L0000115	0	0.95969E-03	490633.8	3610464.9	3.5	5.00	4.65
4.65 NO							
L0000116	0	0.95969E-03	490624.3	3610461.8	3.5	5.00	4.65
4.65 NO							
L0000117	0	0.95969E-03	490614.8	3610458.6	3.4	5.00	4.65
4.65 NO							
L0000118	0	0.95969E-03	490605.3	3610455.5	3.4	5.00	4.65
4.65 NO							
L0000119	0	0.95969E-03	490595.8	3610452.4	3.4	5.00	4.65
4.65 NO							
L0000120	0	0.95969E-03	490586.3	3610449.2	3.2	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0000121		0	0.95969E-03	490576.8	3610446.1	3.1	5.00	4.65
4.65	NO							
L0000122		0	0.95969E-03	490567.4	3610442.9	3.0	5.00	4.65
4.65	NO							
L0000123		0	0.95969E-03	490557.9	3610439.8	3.0	5.00	4.65
4.65	NO							
L0000124		0	0.95969E-03	490548.4	3610436.7	2.9	5.00	4.65
4.65	NO							
L0000125		0	0.95969E-03	490538.9	3610433.5	2.8	5.00	4.65
4.65	NO							
L0000126		0	0.95969E-03	490529.4	3610430.4	2.8	5.00	4.65
4.65	NO							
L0000127		0	0.95969E-03	490519.9	3610427.2	2.8	5.00	4.65
4.65	NO							
L0000128		0	0.95969E-03	490510.4	3610424.1	2.8	5.00	4.65
4.65	NO							
L0000129		0	0.95969E-03	490500.9	3610420.9	2.7	5.00	4.65
4.65	NO							
L0000130		0	0.95969E-03	490491.4	3610417.8	2.6	5.00	4.65
4.65	NO							
L0000131		0	0.95969E-03	490481.9	3610414.7	2.5	5.00	4.65
4.65	NO							
L0000132		0	0.95969E-03	490472.4	3610411.5	2.4	5.00	4.65
4.65	NO							
L0000133		0	0.95969E-03	490462.9	3610408.4	2.4	5.00	4.65
4.65	NO							
L0000134		0	0.95969E-03	490453.4	3610405.2	2.4	5.00	4.65
4.65	NO							
L0000135		0	0.95969E-03	490443.9	3610402.1	2.5	5.00	4.65
4.65	NO							

L0000136	0	0.95969E-03	490434.4	3610399.0	2.6	5.00	4.65
4.65 NO							
L0000137	0	0.95969E-03	490424.9	3610395.8	2.6	5.00	4.65
4.65 NO							
L0000138	0	0.95969E-03	490415.5	3610392.7	2.6	5.00	4.65
4.65 NO							
L0000139	0	0.95969E-03	490406.0	3610389.5	2.7	5.00	4.65
4.65 NO							
L0000140	0	0.95969E-03	490400.5	3610384.3	2.6	5.00	4.65
4.65 NO							
L0000141	0	0.95969E-03	490403.5	3610374.7	2.6	5.00	4.65
4.65 NO							
L0000142	0	0.95969E-03	490406.4	3610365.2	2.6	5.00	4.65
4.65 NO							
L0000143	0	0.95969E-03	490409.4	3610355.6	2.6	5.00	4.65
4.65 NO							
L0000144	0	0.95969E-03	490412.3	3610346.1	2.7	5.00	4.65
4.65 NO							
L0000145	0	0.95969E-03	490415.2	3610336.5	2.7	5.00	4.65
4.65 NO							
L0000146	0	0.95969E-03	490418.2	3610327.0	2.8	5.00	4.65
4.65 NO							
L0000147	0	0.95969E-03	490421.1	3610317.4	2.8	5.00	4.65
4.65 NO							
L0000148	0	0.95969E-03	490424.1	3610307.8	2.7	5.00	4.65
4.65 NO							
L0000149	0	0.95969E-03	490427.0	3610298.3	2.7	5.00	4.65
4.65 NO							
L0000150	0	0.95969E-03	490430.0	3610288.7	2.7	5.00	4.65
4.65 NO							
L0000151	0	0.95969E-03	490432.9	3610279.2	2.8	5.00	4.65
4.65 NO							
L0000152	0	0.95969E-03	490435.8	3610269.6	2.8	5.00	4.65
4.65 NO							
L0000153	0	0.95969E-03	490438.8	3610260.1	2.8	5.00	4.65
4.65 NO							
L0000154	0	0.95969E-03	490441.7	3610250.5	2.8	5.00	4.65
4.65 NO							
L0000155	0	0.95969E-03	490444.7	3610240.9	2.9	5.00	4.65
4.65 NO							
L0000156	0	0.95969E-03	490447.6	3610231.4	2.9	5.00	4.65
4.65 NO							
L0000157	0	0.95969E-03	490450.6	3610221.8	2.8	5.00	4.65
4.65 NO							
L0000158	0	0.95969E-03	490453.5	3610212.3	2.7	5.00	4.65
4.65 NO							
L0000159	0	0.95969E-03	490456.4	3610202.7	2.7	5.00	4.65
4.65 NO							
L0000160	0	0.95969E-03	490459.4	3610193.2	2.7	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0000161		0	0.95969E-03	490462.3	3610183.6	2.8	5.00	4.65
4.65	NO							
L0000162		0	0.95969E-03	490465.3	3610174.0	2.9	5.00	4.65
4.65	NO							
L0000163		0	0.95969E-03	490468.2	3610164.5	2.9	5.00	4.65
4.65	NO							
L0000164		0	0.95969E-03	490471.2	3610154.9	2.9	5.00	4.65
4.65	NO							
L0000165		0	0.95969E-03	490474.1	3610145.4	2.8	5.00	4.65
4.65	NO							
L0000166		0	0.95969E-03	490477.0	3610135.8	2.8	5.00	4.65
4.65	NO							
L0000167		0	0.95969E-03	490480.0	3610126.3	2.8	5.00	4.65
4.65	NO							
L0000168		0	0.95969E-03	490482.9	3610116.7	2.8	5.00	4.65
4.65	NO							
L0000169		0	0.95969E-03	490485.9	3610107.1	2.8	5.00	4.65
4.65	NO							
L0000170		0	0.95969E-03	490488.8	3610097.6	2.9	5.00	4.65
4.65	NO							
L0000171		0	0.95969E-03	490491.7	3610088.0	3.0	5.00	4.65
4.65	NO							
L0000172		0	0.95969E-03	490494.7	3610078.5	3.0	5.00	4.65
4.65	NO							
L0000173		0	0.95969E-03	490497.6	3610068.9	3.0	5.00	4.65
4.65	NO							
L0000174		0	0.95969E-03	490506.4	3610070.6	2.8	5.00	4.65
4.65	NO							
L0000175		0	0.95969E-03	490516.0	3610073.6	2.8	5.00	4.65
4.65	NO							

L0000176	0	0.95969E-03	490525.5	3610076.7	2.8	5.00	4.65
4.65 NO							
L0000177	0	0.95969E-03	490535.0	3610079.7	2.8	5.00	4.65
4.65 NO							
L0000178	0	0.95969E-03	490544.5	3610082.8	2.8	5.00	4.65
4.65 NO							
L0000179	0	0.95969E-03	490554.1	3610085.8	2.8	5.00	4.65
4.65 NO							
L0000180	0	0.95969E-03	490563.6	3610088.9	2.9	5.00	4.65
4.65 NO							
L0000181	0	0.95969E-03	490573.1	3610091.9	2.9	5.00	4.65
4.65 NO							
L0000182	0	0.95969E-03	490582.6	3610095.0	3.0	5.00	4.65
4.65 NO							
L0000183	0	0.95969E-03	490592.2	3610098.0	3.0	5.00	4.65
4.65 NO							
L0000184	0	0.95969E-03	490601.7	3610101.1	2.9	5.00	4.65
4.65 NO							
L0000185	0	0.95969E-03	490611.2	3610104.1	2.9	5.00	4.65
4.65 NO							
L0000186	0	0.95969E-03	490620.7	3610107.2	2.9	5.00	4.65
4.65 NO							
L0000187	0	0.95969E-03	490630.3	3610110.2	2.8	5.00	4.65
4.65 NO							
L0000188	0	0.95969E-03	490639.8	3610113.3	2.9	5.00	4.65
4.65 NO							
L0000189	0	0.95969E-03	490649.3	3610116.3	3.0	5.00	4.65
4.65 NO							
L0000190	0	0.95969E-03	490658.8	3610119.4	3.1	5.00	4.65
4.65 NO							
L0000191	0	0.95969E-03	490668.4	3610122.4	3.2	5.00	4.65
4.65 NO							
L0000192	0	0.95969E-03	490677.9	3610125.5	3.3	5.00	4.65
4.65 NO							
L0000193	0	0.95969E-03	490687.4	3610128.5	3.4	5.00	4.65
4.65 NO							
L0000194	0	0.95969E-03	490696.9	3610131.6	3.5	5.00	4.65
4.65 NO							
L0000195	0	0.95969E-03	490706.4	3610134.6	3.6	5.00	4.65
4.65 NO							
L0000196	0	0.95969E-03	490716.0	3610137.7	3.7	5.00	4.65
4.65 NO							
L0000197	0	0.95969E-03	490725.5	3610140.7	3.7	5.00	4.65
4.65 NO							
L0000198	0	0.95969E-03	490735.0	3610143.8	3.7	5.00	4.65
4.65 NO							
L0000199	0	0.95969E-03	490744.5	3610146.8	3.7	5.00	4.65
4.65 NO							
L0000200	0	0.95969E-03	490754.1	3610149.9	3.7	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
4.65	NO	0	0.95969E-03	490763.6	3610152.9	3.7	5.00	4.65
4.65	NO	0	0.95969E-03	490773.1	3610156.0	3.6	5.00	4.65
4.65	NO	0	0.95969E-03	490782.6	3610159.0	3.5	5.00	4.65
4.65	NO	0	0.95969E-03	490792.2	3610162.0	3.5	5.00	4.65
4.65	NO	0	0.95969E-03	490801.7	3610165.1	3.6	5.00	4.65
4.65	NO	0	0.95969E-03	490811.2	3610168.1	3.7	5.00	4.65
4.65	NO	0	0.95969E-03	490813.2	3610174.9	3.8	5.00	4.65
4.65	NO	0	0.95969E-03	490809.8	3610184.3	3.8	5.00	4.65
4.65	NO	0	0.95969E-03	490806.4	3610193.7	3.9	5.00	4.65
4.65	NO	0	0.95969E-03	490803.0	3610203.1	3.9	5.00	4.65
4.65	NO	0	0.95969E-03	490799.6	3610212.5	3.9	5.00	4.65
4.65	NO	0	0.95969E-03	490796.2	3610222.0	3.9	5.00	4.65
4.65	NO	0	0.95969E-03	490792.8	3610231.4	3.9	5.00	4.65
4.65	NO	0	0.95969E-03	490789.4	3610240.8	4.0	5.00	4.65
4.65	NO	0	0.95969E-03	490786.0	3610250.2	4.0	5.00	4.65

L0000216	0	0.95969E-03	490782.6	3610259.6	4.0	5.00	4.65
4.65 NO							
L0000217	0	0.95969E-03	490779.2	3610269.0	4.0	5.00	4.65
4.65 NO							
L0000218	0	0.95969E-03	490775.8	3610278.4	4.0	5.00	4.65
4.65 NO							
L0000219	0	0.95969E-03	490772.4	3610287.8	4.0	5.00	4.65
4.65 NO							
L0000220	0	0.95969E-03	490769.0	3610297.2	4.0	5.00	4.65
4.65 NO							
L0000221	0	0.95969E-03	490765.6	3610306.6	4.0	5.00	4.65
4.65 NO							
L0000222	0	0.95969E-03	490762.2	3610316.0	4.1	5.00	4.65
4.65 NO							
L0000223	0	0.95969E-03	490758.8	3610325.4	4.1	5.00	4.65
4.65 NO							
L0000224	0	0.95969E-03	490755.5	3610334.8	4.1	5.00	4.65
4.65 NO							
L0000225	0	0.95969E-03	490752.1	3610344.2	4.1	5.00	4.65
4.65 NO							
L0000226	0	0.95969E-03	490748.7	3610353.6	4.1	5.00	4.65
4.65 NO							
L0000227	0	0.95969E-03	490745.3	3610363.1	4.1	5.00	4.65
4.65 NO							
L0000228	0	0.95969E-03	490741.9	3610372.5	4.2	5.00	4.65
4.65 NO							
L0000229	0	0.95969E-03	490738.5	3610381.9	4.2	5.00	4.65
4.65 NO							
L0000230	0	0.95969E-03	490735.1	3610391.3	4.2	5.00	4.65
4.65 NO							
L0000231	0	0.95969E-03	490731.7	3610400.7	4.2	5.00	4.65
4.65 NO							
L0000232	0	0.95969E-03	490728.3	3610410.1	4.2	5.00	4.65
4.65 NO							
L0000233	0	0.95969E-03	490724.9	3610419.5	4.2	5.00	4.65
4.65 NO							
L0000234	0	0.95969E-03	490721.5	3610428.9	4.3	5.00	4.65
4.65 NO							
L0000235	0	0.95969E-03	490718.1	3610438.3	4.3	5.00	4.65
4.65 NO							
L0000236	0	0.95969E-03	490714.7	3610447.7	4.3	5.00	4.65
4.65 NO							
L0000237	0	0.95969E-03	490711.3	3610457.1	4.4	5.00	4.65
4.65 NO							
L0000238	0	0.95969E-03	490707.9	3610466.5	4.4	5.00	4.65
4.65 NO							
L0000239	0	0.95969E-03	490703.8	3610474.4	4.4	5.00	4.65
4.65 NO							
L0000240	0	0.95969E-03	490694.3	3610471.4	4.2	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0000241		0	0.95969E-03	490684.8	3610468.3	4.0	5.00	4.65
4.65	NO							
L0000242		0	0.95969E-03	490675.2	3610465.2	3.9	5.00	4.65
4.65	NO							
L0000243		0	0.95969E-03	490665.7	3610462.2	3.8	5.00	4.65
4.65	NO							
L0000244		0	0.95969E-03	490656.2	3610459.1	3.7	5.00	4.65
4.65	NO							
L0000245		0	0.95969E-03	490646.7	3610456.0	3.6	5.00	4.65
4.65	NO							
L0000246		0	0.95969E-03	490637.2	3610452.9	3.6	5.00	4.65
4.65	NO							
L0000247		0	0.95969E-03	490627.7	3610449.9	3.5	5.00	4.65
4.65	NO							
L0000248		0	0.95969E-03	490618.1	3610446.8	3.5	5.00	4.65
4.65	NO							
L0000249		0	0.95969E-03	490608.6	3610443.8	3.5	5.00	4.65
4.65	NO							
L0000250		0	0.95969E-03	490599.1	3610440.7	3.4	5.00	4.65
4.65	NO							
L0000251		0	0.95969E-03	490589.6	3610437.6	3.2	5.00	4.65
4.65	NO							
L0000252		0	0.95969E-03	490580.1	3610434.5	3.1	5.00	4.65
4.65	NO							
L0000253		0	0.95969E-03	490570.5	3610431.5	3.0	5.00	4.65
4.65	NO							
L0000254		0	0.95969E-03	490561.0	3610428.4	3.0	5.00	4.65
4.65	NO							
L0000255		0	0.95969E-03	490551.5	3610425.3	3.0	5.00	4.65
4.65	NO							

L0000256	0	0.95969E-03	490542.0	3610422.3	2.9	5.00	4.65
4.65 NO							
L0000257	0	0.95969E-03	490532.5	3610419.2	2.8	5.00	4.65
4.65 NO							
L0000258	0	0.95969E-03	490523.0	3610416.1	2.8	5.00	4.65
4.65 NO							
L0000259	0	0.95969E-03	490513.4	3610413.1	2.7	5.00	4.65
4.65 NO							
L0000260	0	0.95969E-03	490503.9	3610410.0	2.6	5.00	4.65
4.65 NO							
L0000261	0	0.95969E-03	490494.4	3610406.9	2.6	5.00	4.65
4.65 NO							
L0000262	0	0.95969E-03	490484.9	3610403.9	2.5	5.00	4.65
4.65 NO							
L0000263	0	0.95969E-03	490475.4	3610400.8	2.4	5.00	4.65
4.65 NO							
L0000264	0	0.95969E-03	490465.8	3610397.7	2.4	5.00	4.65
4.65 NO							
L0000265	0	0.95969E-03	490456.3	3610394.7	2.5	5.00	4.65
4.65 NO							
L0000266	0	0.95969E-03	490446.8	3610391.6	2.5	5.00	4.65
4.65 NO							
L0000267	0	0.95969E-03	490437.3	3610388.5	2.5	5.00	4.65
4.65 NO							
L0000268	0	0.95969E-03	490427.8	3610385.5	2.5	5.00	4.65
4.65 NO							
L0000269	0	0.95969E-03	490422.6	3610380.1	2.5	5.00	4.65
4.65 NO							
L0000270	0	0.95969E-03	490425.5	3610370.5	2.6	5.00	4.65
4.65 NO							
L0000271	0	0.95969E-03	490428.4	3610361.0	2.6	5.00	4.65
4.65 NO							
L0000272	0	0.95969E-03	490431.2	3610351.4	2.7	5.00	4.65
4.65 NO							
L0000273	0	0.95969E-03	490434.1	3610341.8	2.7	5.00	4.65
4.65 NO							
L0000274	0	0.95969E-03	490437.0	3610332.2	2.7	5.00	4.65
4.65 NO							
L0000275	0	0.95969E-03	490439.9	3610322.7	2.7	5.00	4.65
4.65 NO							
L0000276	0	0.95969E-03	490442.7	3610313.1	2.7	5.00	4.65
4.65 NO							
L0000277	0	0.95969E-03	490445.6	3610303.5	2.7	5.00	4.65
4.65 NO							
L0000278	0	0.95969E-03	490448.5	3610293.9	2.7	5.00	4.65
4.65 NO							
L0000279	0	0.95969E-03	490451.4	3610284.3	2.7	5.00	4.65
4.65 NO							
L0000280	0	0.95969E-03	490454.3	3610274.8	2.8	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0000281		0	0.95969E-03	490457.1	3610265.2	2.8	5.00	4.65
4.65	NO							
L0000282		0	0.95969E-03	490460.0	3610255.6	2.8	5.00	4.65
4.65	NO							
L0000283		0	0.95969E-03	490462.9	3610246.0	2.8	5.00	4.65
4.65	NO							
L0000284		0	0.95969E-03	490465.8	3610236.5	2.8	5.00	4.65
4.65	NO							
L0000285		0	0.95969E-03	490468.6	3610226.9	2.8	5.00	4.65
4.65	NO							
L0000286		0	0.95969E-03	490471.5	3610217.3	2.8	5.00	4.65
4.65	NO							
L0000287		0	0.95969E-03	490474.4	3610207.7	2.8	5.00	4.65
4.65	NO							
L0000288		0	0.95969E-03	490477.3	3610198.1	2.9	5.00	4.65
4.65	NO							
L0000289		0	0.95969E-03	490480.1	3610188.6	2.9	5.00	4.65
4.65	NO							
L0000290		0	0.95969E-03	490483.0	3610179.0	2.9	5.00	4.65
4.65	NO							
L0000291		0	0.95969E-03	490485.9	3610169.4	2.9	5.00	4.65
4.65	NO							
L0000292		0	0.95969E-03	490488.8	3610159.8	2.8	5.00	4.65
4.65	NO							
L0000293		0	0.95969E-03	490491.6	3610150.3	2.9	5.00	4.65
4.65	NO							
L0000294		0	0.95969E-03	490494.5	3610140.7	2.9	5.00	4.65
4.65	NO							
L0000295		0	0.95969E-03	490497.4	3610131.1	2.9	5.00	4.65
4.65	NO							

L0000296	0	0.95969E-03	490500.3	3610121.5	2.9	5.00	4.65
4.65 NO							
L0000297	0	0.95969E-03	490503.1	3610111.9	2.9	5.00	4.65
4.65 NO							
L0000298	0	0.95969E-03	490506.0	3610102.4	2.8	5.00	4.65
4.65 NO							
L0000299	0	0.95969E-03	490508.9	3610092.8	2.8	5.00	4.65
4.65 NO							
L0000300	0	0.95969E-03	490516.4	3610092.1	2.8	5.00	4.65
4.65 NO							
L0000301	0	0.95969E-03	490525.9	3610095.2	2.8	5.00	4.65
4.65 NO							
L0000302	0	0.95969E-03	490535.4	3610098.3	2.8	5.00	4.65
4.65 NO							
L0000303	0	0.95969E-03	490544.9	3610101.4	2.9	5.00	4.65
4.65 NO							
L0000304	0	0.95969E-03	490554.4	3610104.5	3.0	5.00	4.65
4.65 NO							
L0000305	0	0.95969E-03	490563.9	3610107.6	3.1	5.00	4.65
4.65 NO							
L0000306	0	0.95969E-03	490573.5	3610110.7	3.1	5.00	4.65
4.65 NO							
L0000307	0	0.95969E-03	490583.0	3610113.8	3.1	5.00	4.65
4.65 NO							
L0000308	0	0.95969E-03	490592.5	3610116.9	3.0	5.00	4.65
4.65 NO							
L0000309	0	0.95969E-03	490602.0	3610120.0	3.0	5.00	4.65
4.65 NO							
L0000310	0	0.95969E-03	490611.5	3610123.1	3.0	5.00	4.65
4.65 NO							
L0000311	0	0.95969E-03	490621.0	3610126.2	3.0	5.00	4.65
4.65 NO							
L0000312	0	0.95969E-03	490630.5	3610129.3	3.0	5.00	4.65
4.65 NO							
L0000313	0	0.95969E-03	490640.0	3610132.4	3.1	5.00	4.65
4.65 NO							
L0000314	0	0.95969E-03	490649.5	3610135.5	3.1	5.00	4.65
4.65 NO							
L0000315	0	0.95969E-03	490659.0	3610138.6	3.1	5.00	4.65
4.65 NO							
L0000316	0	0.95969E-03	490668.5	3610141.7	3.3	5.00	4.65
4.65 NO							
L0000317	0	0.95969E-03	490678.0	3610144.8	3.4	5.00	4.65
4.65 NO							
L0000318	0	0.95969E-03	490687.5	3610147.9	3.5	5.00	4.65
4.65 NO							
L0000319	0	0.95969E-03	490697.0	3610151.0	3.5	5.00	4.65
4.65 NO							
L0000320	0	0.95969E-03	490706.6	3610154.1	3.6	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	(GRAMS/SEC)		Y	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	VARY		(METERS)			
		BY						
L0000321		0	0.95969E-03	490716.1	3610157.2	3.6	5.00	4.65
4.65	NO							
L0000322		0	0.95969E-03	490725.6	3610160.3	3.7	5.00	4.65
4.65	NO							
L0000323		0	0.95969E-03	490735.1	3610163.4	3.7	5.00	4.65
4.65	NO							
L0000324		0	0.95969E-03	490744.6	3610166.5	3.7	5.00	4.65
4.65	NO							
L0000325		0	0.95969E-03	490754.1	3610169.6	3.7	5.00	4.65
4.65	NO							
L0000326		0	0.95969E-03	490763.6	3610172.7	3.7	5.00	4.65
4.65	NO							
L0000327		0	0.95969E-03	490773.1	3610175.8	3.6	5.00	4.65
4.65	NO							
L0000328		0	0.95969E-03	490782.6	3610178.9	3.5	5.00	4.65
4.65	NO							
L0000329		0	0.95969E-03	490792.1	3610182.0	3.6	5.00	4.65
4.65	NO							
L0000330		0	0.95969E-03	490792.2	3610189.6	3.7	5.00	4.65
4.65	NO							
L0000331		0	0.95969E-03	490788.7	3610199.0	3.7	5.00	4.65
4.65	NO							
L0000332		0	0.95969E-03	490785.3	3610208.4	3.7	5.00	4.65
4.65	NO							
L0000333		0	0.95969E-03	490781.8	3610217.8	3.7	5.00	4.65
4.65	NO							
L0000334		0	0.95969E-03	490778.4	3610227.2	3.7	5.00	4.65
4.65	NO							
L0000335		0	0.95969E-03	490774.9	3610236.6	3.7	5.00	4.65
4.65	NO							

L0000336	0	0.95969E-03	490771.5	3610246.0	3.7	5.00	4.65
4.65 NO							
L0000337	0	0.95969E-03	490768.0	3610255.4	3.7	5.00	4.65
4.65 NO							
L0000338	0	0.95969E-03	490764.6	3610264.7	3.7	5.00	4.65
4.65 NO							
L0000339	0	0.95969E-03	490761.1	3610274.1	3.8	5.00	4.65
4.65 NO							
L0000340	0	0.95969E-03	490757.7	3610283.5	3.8	5.00	4.65
4.65 NO							
L0000341	0	0.95969E-03	490754.2	3610292.9	3.8	5.00	4.65
4.65 NO							
L0000342	0	0.95969E-03	490750.8	3610302.3	3.8	5.00	4.65
4.65 NO							
L0000343	0	0.95969E-03	490747.3	3610311.7	3.8	5.00	4.65
4.65 NO							
L0000344	0	0.95969E-03	490743.9	3610321.1	3.8	5.00	4.65
4.65 NO							
L0000345	0	0.95969E-03	490740.4	3610330.4	3.8	5.00	4.65
4.65 NO							
L0000346	0	0.95969E-03	490737.0	3610339.8	3.9	5.00	4.65
4.65 NO							
L0000347	0	0.95969E-03	490733.5	3610349.2	3.9	5.00	4.65
4.65 NO							
L0000348	0	0.95969E-03	490730.1	3610358.6	3.9	5.00	4.65
4.65 NO							
L0000349	0	0.95969E-03	490726.6	3610368.0	3.9	5.00	4.65
4.65 NO							
L0000350	0	0.95969E-03	490723.2	3610377.4	3.9	5.00	4.65
4.65 NO							
L0000351	0	0.95969E-03	490719.7	3610386.8	4.0	5.00	4.65
4.65 NO							
L0000352	0	0.95969E-03	490716.3	3610396.1	4.0	5.00	4.65
4.65 NO							
L0000353	0	0.95969E-03	490712.8	3610405.5	4.0	5.00	4.65
4.65 NO							
L0000354	0	0.95969E-03	490709.4	3610414.9	4.0	5.00	4.65
4.65 NO							
L0000355	0	0.95969E-03	490705.9	3610424.3	4.0	5.00	4.65
4.65 NO							
L0000356	0	0.95969E-03	490702.5	3610433.7	4.0	5.00	4.65
4.65 NO							
L0000357	0	0.95969E-03	490699.0	3610443.1	4.0	5.00	4.65
4.65 NO							
L0000358	0	0.95969E-03	490695.6	3610452.5	4.0	5.00	4.65
4.65 NO							
L0000359	0	0.95969E-03	490690.3	3610458.1	4.0	5.00	4.65
4.65 NO							
L0000360	0	0.95969E-03	490680.8	3610455.0	3.8	5.00	4.65
4.65 NO							

L0000376	0	0.95969E-03	490528.6	3610405.7	2.9	5.00	4.65
4.65 NO							
L0000377	0	0.95969E-03	490519.1	3610402.7	2.8	5.00	4.65
4.65 NO							
L0000378	0	0.95969E-03	490509.6	3610399.6	2.7	5.00	4.65
4.65 NO							
L0000379	0	0.95969E-03	490500.0	3610396.5	2.6	5.00	4.65
4.65 NO							
L0000380	0	0.95969E-03	490490.5	3610393.4	2.6	5.00	4.65
4.65 NO							
L0000381	0	0.95969E-03	490481.0	3610390.3	2.5	5.00	4.65
4.65 NO							
L0000382	0	0.95969E-03	490471.5	3610387.3	2.5	5.00	4.65
4.65 NO							
L0000383	0	0.95969E-03	490462.0	3610384.2	2.5	5.00	4.65
4.65 NO							
L0000384	0	0.95969E-03	490452.5	3610381.1	2.5	5.00	4.65
4.65 NO							
L0000385	0	0.95969E-03	490443.0	3610378.0	2.5	5.00	4.65
4.65 NO							
L0000386	0	0.95969E-03	490445.6	3610368.5	2.6	5.00	4.65
4.65 NO							
L0000387	0	0.95969E-03	490448.5	3610358.9	2.6	5.00	4.65
4.65 NO							
L0000388	0	0.95969E-03	490451.3	3610349.3	2.6	5.00	4.65
4.65 NO							
L0000389	0	0.95969E-03	490454.1	3610339.7	2.6	5.00	4.65
4.65 NO							
L0000390	0	0.95969E-03	490456.9	3610330.1	2.7	5.00	4.65
4.65 NO							
L0000391	0	0.95969E-03	490459.7	3610320.5	2.7	5.00	4.65
4.65 NO							
L0000392	0	0.95969E-03	490462.5	3610310.9	2.7	5.00	4.65
4.65 NO							
L0000393	0	0.95969E-03	490465.4	3610301.3	2.7	5.00	4.65
4.65 NO							
L0000394	0	0.95969E-03	490468.2	3610291.7	2.7	5.00	4.65
4.65 NO							
L0000395	0	0.95969E-03	490471.0	3610282.1	2.7	5.00	4.65
4.65 NO							
L0000396	0	0.95969E-03	490473.8	3610272.5	2.8	5.00	4.65
4.65 NO							
L0000397	0	0.95969E-03	490476.6	3610262.9	2.8	5.00	4.65
4.65 NO							
L0000398	0	0.95969E-03	490479.5	3610253.4	2.8	5.00	4.65
4.65 NO							
L0000399	0	0.95969E-03	490482.3	3610243.8	2.8	5.00	4.65
4.65 NO							
L0000400	0	0.95969E-03	490485.1	3610234.2	2.9	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000401		0	0.95969E-03	490487.9	3610224.6	2.9	5.00	4.65
4.65	NO							
L0000402		0	0.95969E-03	490490.7	3610215.0	2.9	5.00	4.65
4.65	NO							
L0000403		0	0.95969E-03	490493.5	3610205.4	2.9	5.00	4.65
4.65	NO							
L0000404		0	0.95969E-03	490496.4	3610195.8	2.9	5.00	4.65
4.65	NO							
L0000405		0	0.95969E-03	490499.2	3610186.2	2.9	5.00	4.65
4.65	NO							
L0000406		0	0.95969E-03	490502.0	3610176.6	2.9	5.00	4.65
4.65	NO							
L0000407		0	0.95969E-03	490504.8	3610167.0	2.8	5.00	4.65
4.65	NO							
L0000408		0	0.95969E-03	490507.6	3610157.4	2.8	5.00	4.65
4.65	NO							
L0000409		0	0.95969E-03	490510.4	3610147.8	2.8	5.00	4.65
4.65	NO							
L0000410		0	0.95969E-03	490513.3	3610138.2	2.8	5.00	4.65
4.65	NO							
L0000411		0	0.95969E-03	490516.1	3610128.6	2.8	5.00	4.65
4.65	NO							
L0000412		0	0.95969E-03	490518.9	3610119.0	2.8	5.00	4.65
4.65	NO							
L0000413		0	0.95969E-03	490521.7	3610109.4	2.7	5.00	4.65
4.65	NO							
L0000414		0	0.95969E-03	490530.8	3610111.9	2.7	5.00	4.65
4.65	NO							
L0000415		0	0.95969E-03	490540.3	3610115.0	2.8	5.00	4.65
4.65	NO							

L0000416	0	0.95969E-03	490549.8	3610118.2	2.9	5.00	4.65
4.65 NO							
L0000417	0	0.95969E-03	490559.3	3610121.4	3.0	5.00	4.65
4.65 NO							
L0000418	0	0.95969E-03	490568.8	3610124.5	3.0	5.00	4.65
4.65 NO							
L0000419	0	0.95969E-03	490578.2	3610127.7	3.1	5.00	4.65
4.65 NO							
L0000420	0	0.95969E-03	490587.7	3610130.9	3.1	5.00	4.65
4.65 NO							
L0000421	0	0.95969E-03	490597.2	3610134.1	3.1	5.00	4.65
4.65 NO							
L0000422	0	0.95969E-03	490606.7	3610137.2	3.1	5.00	4.65
4.65 NO							
L0000423	0	0.95969E-03	490616.2	3610140.4	3.1	5.00	4.65
4.65 NO							
L0000424	0	0.95969E-03	490625.7	3610143.6	3.1	5.00	4.65
4.65 NO							
L0000425	0	0.95969E-03	490635.1	3610146.7	3.1	5.00	4.65
4.65 NO							
L0000426	0	0.95969E-03	490644.6	3610149.9	3.1	5.00	4.65
4.65 NO							
L0000427	0	0.95969E-03	490654.1	3610153.1	3.2	5.00	4.65
4.65 NO							
L0000428	0	0.95969E-03	490663.6	3610156.2	3.3	5.00	4.65
4.65 NO							
L0000429	0	0.95969E-03	490673.1	3610159.4	3.4	5.00	4.65
4.65 NO							
L0000430	0	0.95969E-03	490682.6	3610162.6	3.4	5.00	4.65
4.65 NO							
L0000431	0	0.95969E-03	490692.1	3610165.8	3.5	5.00	4.65
4.65 NO							
L0000432	0	0.95969E-03	490701.5	3610168.9	3.5	5.00	4.65
4.65 NO							
L0000433	0	0.95969E-03	490711.0	3610172.1	3.6	5.00	4.65
4.65 NO							
L0000434	0	0.95969E-03	490720.5	3610175.3	3.6	5.00	4.65
4.65 NO							
L0000435	0	0.95969E-03	490730.0	3610178.4	3.7	5.00	4.65
4.65 NO							
L0000436	0	0.95969E-03	490739.5	3610181.6	3.7	5.00	4.65
4.65 NO							
L0000437	0	0.95969E-03	490749.0	3610184.8	3.7	5.00	4.65
4.65 NO							
L0000438	0	0.95969E-03	490758.4	3610187.9	3.6	5.00	4.65
4.65 NO							
L0000439	0	0.95969E-03	490767.9	3610191.1	3.6	5.00	4.65
4.65 NO							
L0000440	0	0.95969E-03	490772.8	3610196.4	3.6	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000441		0	0.95969E-03	490769.0	3610205.7	3.6	5.00	4.65
4.65	NO							
L0000442		0	0.95969E-03	490765.3	3610214.9	3.6	5.00	4.65
4.65	NO							
L0000443		0	0.95969E-03	490761.5	3610224.2	3.5	5.00	4.65
4.65	NO							
L0000444		0	0.95969E-03	490757.8	3610233.5	3.6	5.00	4.65
4.65	NO							
L0000445		0	0.95969E-03	490754.0	3610242.7	3.6	5.00	4.65
4.65	NO							
L0000446		0	0.95969E-03	490750.2	3610252.0	3.6	5.00	4.65
4.65	NO							
L0000447		0	0.95969E-03	490746.5	3610261.3	3.6	5.00	4.65
4.65	NO							
L0000448		0	0.95969E-03	490742.7	3610270.5	3.6	5.00	4.65
4.65	NO							
L0000449		0	0.95969E-03	490739.0	3610279.8	3.6	5.00	4.65
4.65	NO							
L0000450		0	0.95969E-03	490735.2	3610289.1	3.5	5.00	4.65
4.65	NO							
L0000451		0	0.95969E-03	490731.4	3610298.3	3.6	5.00	4.65
4.65	NO							
L0000452		0	0.95969E-03	490727.7	3610307.6	3.6	5.00	4.65
4.65	NO							
L0000453		0	0.95969E-03	490723.9	3610316.9	3.7	5.00	4.65
4.65	NO							
L0000454		0	0.95969E-03	490720.2	3610326.1	3.7	5.00	4.65
4.65	NO							
L0000455		0	0.95969E-03	490716.4	3610335.4	3.6	5.00	4.65
4.65	NO							

L0000456	0	0.95969E-03	490712.7	3610344.7	3.6	5.00	4.65
4.65 NO							
L0000457	0	0.95969E-03	490708.9	3610353.9	3.6	5.00	4.65
4.65 NO							
L0000458	0	0.95969E-03	490705.1	3610363.2	3.7	5.00	4.65
4.65 NO							
L0000459	0	0.95969E-03	490701.4	3610372.5	3.7	5.00	4.65
4.65 NO							
L0000460	0	0.95969E-03	490697.6	3610381.7	3.7	5.00	4.65
4.65 NO							
L0000461	0	0.95969E-03	490693.9	3610391.0	3.7	5.00	4.65
4.65 NO							
L0000462	0	0.95969E-03	490690.1	3610400.3	3.7	5.00	4.65
4.65 NO							
L0000463	0	0.95969E-03	490686.3	3610409.5	3.7	5.00	4.65
4.65 NO							
L0000464	0	0.95969E-03	490682.6	3610418.8	3.7	5.00	4.65
4.65 NO							
L0000465	0	0.95969E-03	490678.8	3610428.1	3.7	5.00	4.65
4.65 NO							
L0000466	0	0.95969E-03	490673.0	3610433.0	3.7	5.00	4.65
4.65 NO							
L0000467	0	0.95969E-03	490663.4	3610430.1	3.7	5.00	4.65
4.65 NO							
L0000468	0	0.95969E-03	490653.8	3610427.2	3.7	5.00	4.65
4.65 NO							
L0000469	0	0.95969E-03	490644.3	3610424.4	3.6	5.00	4.65
4.65 NO							
L0000470	0	0.95969E-03	490634.7	3610421.5	3.6	5.00	4.65
4.65 NO							
L0000471	0	0.95969E-03	490625.1	3610418.6	3.6	5.00	4.65
4.65 NO							
L0000472	0	0.95969E-03	490615.5	3610415.7	3.6	5.00	4.65
4.65 NO							
L0000473	0	0.95969E-03	490605.9	3610412.9	3.6	5.00	4.65
4.65 NO							
L0000474	0	0.95969E-03	490596.4	3610410.0	3.4	5.00	4.65
4.65 NO							
L0000475	0	0.95969E-03	490586.8	3610407.1	3.2	5.00	4.65
4.65 NO							
L0000476	0	0.95969E-03	490577.2	3610404.2	3.2	5.00	4.65
4.65 NO							
L0000477	0	0.95969E-03	490567.6	3610401.3	3.1	5.00	4.65
4.65 NO							
L0000478	0	0.95969E-03	490558.1	3610398.5	3.1	5.00	4.65
4.65 NO							
L0000479	0	0.95969E-03	490548.5	3610395.6	3.0	5.00	4.65
4.65 NO							
L0000480	0	0.95969E-03	490538.9	3610392.7	3.0	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.						
(METERS)		BY						
L0000481		0	0.95969E-03	490529.3	3610389.8	2.9	5.00	4.65
4.65	NO							
L0000482		0	0.95969E-03	490519.7	3610387.0	2.8	5.00	4.65
4.65	NO							
L0000483		0	0.95969E-03	490510.2	3610384.1	2.8	5.00	4.65
4.65	NO							
L0000484		0	0.95969E-03	490500.6	3610381.2	2.7	5.00	4.65
4.65	NO							
L0000485		0	0.95969E-03	490491.0	3610378.3	2.6	5.00	4.65
4.65	NO							
L0000486		0	0.95969E-03	490481.4	3610375.5	2.5	5.00	4.65
4.65	NO							
L0000487		0	0.95969E-03	490471.9	3610372.6	2.5	5.00	4.65
4.65	NO							
L0000488		0	0.95969E-03	490462.3	3610369.7	2.5	5.00	4.65
4.65	NO							
L0000489		0	0.95969E-03	490462.7	3610361.5	2.6	5.00	4.65
4.65	NO							
L0000490		0	0.95969E-03	490465.6	3610351.9	2.6	5.00	4.65
4.65	NO							
L0000491		0	0.95969E-03	490468.5	3610342.4	2.6	5.00	4.65
4.65	NO							
L0000492		0	0.95969E-03	490471.5	3610332.8	2.7	5.00	4.65
4.65	NO							
L0000493		0	0.95969E-03	490474.4	3610323.3	2.8	5.00	4.65
4.65	NO							
L0000494		0	0.95969E-03	490477.3	3610313.7	2.8	5.00	4.65
4.65	NO							
L0000495		0	0.95969E-03	490480.3	3610304.1	2.8	5.00	4.65
4.65	NO							

L0000496	0	0.95969E-03	490483.2	3610294.6	2.8	5.00	4.65
4.65 NO							
L0000497	0	0.95969E-03	490486.1	3610285.0	2.8	5.00	4.65
4.65 NO							
L0000498	0	0.95969E-03	490489.0	3610275.5	2.9	5.00	4.65
4.65 NO							
L0000499	0	0.95969E-03	490492.0	3610265.9	2.9	5.00	4.65
4.65 NO							
L0000500	0	0.95969E-03	490494.9	3610256.3	2.9	5.00	4.65
4.65 NO							
L0000501	0	0.95969E-03	490497.8	3610246.8	3.0	5.00	4.65
4.65 NO							
L0000502	0	0.95969E-03	490500.8	3610237.2	3.0	5.00	4.65
4.65 NO							
L0000503	0	0.95969E-03	490503.7	3610227.7	3.0	5.00	4.65
4.65 NO							
L0000504	0	0.95969E-03	490506.6	3610218.1	3.0	5.00	4.65
4.65 NO							
L0000505	0	0.95969E-03	490509.6	3610208.5	3.0	5.00	4.65
4.65 NO							
L0000506	0	0.95969E-03	490512.5	3610199.0	2.9	5.00	4.65
4.65 NO							
L0000507	0	0.95969E-03	490515.4	3610189.4	2.9	5.00	4.65
4.65 NO							
L0000508	0	0.95969E-03	490518.4	3610179.9	2.8	5.00	4.65
4.65 NO							
L0000509	0	0.95969E-03	490521.3	3610170.3	2.7	5.00	4.65
4.65 NO							
L0000510	0	0.95969E-03	490524.2	3610160.7	2.7	5.00	4.65
4.65 NO							
L0000511	0	0.95969E-03	490527.2	3610151.2	2.6	5.00	4.65
4.65 NO							
L0000512	0	0.95969E-03	490530.1	3610141.6	2.6	5.00	4.65
4.65 NO							
L0000513	0	0.95969E-03	490533.0	3610132.1	2.7	5.00	4.65
4.65 NO							
L0000514	0	0.95969E-03	490539.0	3610128.4	2.8	5.00	4.65
4.65 NO							
L0000515	0	0.95969E-03	490548.5	3610131.5	2.9	5.00	4.65
4.65 NO							
L0000516	0	0.95969E-03	490558.0	3610134.7	2.9	5.00	4.65
4.65 NO							
L0000517	0	0.95969E-03	490567.5	3610137.8	3.0	5.00	4.65
4.65 NO							
L0000518	0	0.95969E-03	490577.0	3610141.0	3.0	5.00	4.65
4.65 NO							
L0000519	0	0.95969E-03	490586.5	3610144.1	3.0	5.00	4.65
4.65 NO							
L0000520	0	0.95969E-03	490596.0	3610147.3	3.1	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000521		0	0.95969E-03	490605.5	3610150.4	3.1	5.00	4.65
4.65	NO							
L0000522		0	0.95969E-03	490614.9	3610153.6	3.1	5.00	4.65
4.65	NO							
L0000523		0	0.95969E-03	490624.4	3610156.7	3.1	5.00	4.65
4.65	NO							
L0000524		0	0.95969E-03	490633.9	3610159.8	3.2	5.00	4.65
4.65	NO							
L0000525		0	0.95969E-03	490643.4	3610163.0	3.2	5.00	4.65
4.65	NO							
L0000526		0	0.95969E-03	490652.9	3610166.1	3.2	5.00	4.65
4.65	NO							
L0000527		0	0.95969E-03	490662.4	3610169.3	3.3	5.00	4.65
4.65	NO							
L0000528		0	0.95969E-03	490671.9	3610172.4	3.4	5.00	4.65
4.65	NO							
L0000529		0	0.95969E-03	490681.4	3610175.6	3.5	5.00	4.65
4.65	NO							
L0000530		0	0.95969E-03	490690.9	3610178.7	3.5	5.00	4.65
4.65	NO							
L0000531		0	0.95969E-03	490700.4	3610181.9	3.6	5.00	4.65
4.65	NO							
L0000532		0	0.95969E-03	490709.9	3610185.0	3.6	5.00	4.65
4.65	NO							
L0000533		0	0.95969E-03	490719.4	3610188.2	3.6	5.00	4.65
4.65	NO							
L0000534		0	0.95969E-03	490728.9	3610191.3	3.7	5.00	4.65
4.65	NO							
L0000535		0	0.95969E-03	490738.4	3610194.4	3.7	5.00	4.65
4.65	NO							

L0000536	0	0.95969E-03	490747.8	3610197.6	3.6	5.00	4.65
4.65 NO							
L0000537	0	0.95969E-03	490748.0	3610205.0	3.6	5.00	4.65
4.65 NO							
L0000538	0	0.95969E-03	490744.2	3610214.2	3.6	5.00	4.65
4.65 NO							
L0000539	0	0.95969E-03	490740.3	3610223.5	3.6	5.00	4.65
4.65 NO							
L0000540	0	0.95969E-03	490736.5	3610232.7	3.6	5.00	4.65
4.65 NO							
L0000541	0	0.95969E-03	490732.7	3610241.9	3.6	5.00	4.65
4.65 NO							
L0000542	0	0.95969E-03	490728.8	3610251.2	3.7	5.00	4.65
4.65 NO							
L0000543	0	0.95969E-03	490725.0	3610260.4	3.7	5.00	4.65
4.65 NO							
L0000544	0	0.95969E-03	490721.1	3610269.6	3.7	5.00	4.65
4.65 NO							
L0000545	0	0.95969E-03	490717.3	3610278.9	3.7	5.00	4.65
4.65 NO							
L0000546	0	0.95969E-03	490713.5	3610288.1	3.7	5.00	4.65
4.65 NO							
L0000547	0	0.95969E-03	490709.6	3610297.3	3.7	5.00	4.65
4.65 NO							
L0000548	0	0.95969E-03	490705.8	3610306.6	3.7	5.00	4.65
4.65 NO							
L0000549	0	0.95969E-03	490702.0	3610315.8	3.6	5.00	4.65
4.65 NO							
L0000550	0	0.95969E-03	490698.1	3610325.1	3.6	5.00	4.65
4.65 NO							
L0000551	0	0.95969E-03	490694.3	3610334.3	3.6	5.00	4.65
4.65 NO							
L0000552	0	0.95969E-03	490690.5	3610343.5	3.7	5.00	4.65
4.65 NO							
L0000553	0	0.95969E-03	490686.6	3610352.8	3.7	5.00	4.65
4.65 NO							
L0000554	0	0.95969E-03	490682.8	3610362.0	3.7	5.00	4.65
4.65 NO							
L0000555	0	0.95969E-03	490678.9	3610371.2	3.7	5.00	4.65
4.65 NO							
L0000556	0	0.95969E-03	490675.1	3610380.5	3.6	5.00	4.65
4.65 NO							
L0000557	0	0.95969E-03	490671.3	3610389.7	3.7	5.00	4.65
4.65 NO							
L0000558	0	0.95969E-03	490667.4	3610398.9	3.7	5.00	4.65
4.65 NO							
L0000559	0	0.95969E-03	490663.6	3610408.2	3.7	5.00	4.65
4.65 NO							
L0000560	0	0.95969E-03	490658.9	3610415.5	3.7	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0000561		0	0.95969E-03	490649.3	3610412.6	3.7	5.00	4.65
4.65	NO							
L0000562		0	0.95969E-03	490639.7	3610409.7	3.7	5.00	4.65
4.65	NO							
L0000563		0	0.95969E-03	490630.1	3610406.8	3.6	5.00	4.65
4.65	NO							
L0000564		0	0.95969E-03	490620.6	3610404.0	3.6	5.00	4.65
4.65	NO							
L0000565		0	0.95969E-03	490611.0	3610401.1	3.6	5.00	4.65
4.65	NO							
L0000566		0	0.95969E-03	490601.4	3610398.2	3.5	5.00	4.65
4.65	NO							
L0000567		0	0.95969E-03	490591.8	3610395.3	3.4	5.00	4.65
4.65	NO							
L0000568		0	0.95969E-03	490582.3	3610392.4	3.3	5.00	4.65
4.65	NO							
L0000569		0	0.95969E-03	490572.7	3610389.5	3.2	5.00	4.65
4.65	NO							
L0000570		0	0.95969E-03	490563.1	3610386.6	3.1	5.00	4.65
4.65	NO							
L0000571		0	0.95969E-03	490553.5	3610383.8	3.1	5.00	4.65
4.65	NO							
L0000572		0	0.95969E-03	490544.0	3610380.9	3.0	5.00	4.65
4.65	NO							
L0000573		0	0.95969E-03	490534.4	3610378.0	3.0	5.00	4.65
4.65	NO							
L0000574		0	0.95969E-03	490524.8	3610375.1	2.9	5.00	4.65
4.65	NO							
L0000575		0	0.95969E-03	490515.2	3610372.2	2.8	5.00	4.65
4.65	NO							

L0000576	0	0.95969E-03	490505.7	3610369.3	2.8	5.00	4.65
4.65 NO							
L0000577	0	0.95969E-03	490496.1	3610366.4	2.7	5.00	4.65
4.65 NO							
L0000578	0	0.95969E-03	490486.5	3610363.5	2.6	5.00	4.65
4.65 NO							
L0000579	0	0.95969E-03	490478.8	3610359.7	2.6	5.00	4.65
4.65 NO							
L0000580	0	0.95969E-03	490481.8	3610350.1	2.6	5.00	4.65
4.65 NO							
L0000581	0	0.95969E-03	490484.7	3610340.5	2.7	5.00	4.65
4.65 NO							
L0000582	0	0.95969E-03	490487.6	3610331.0	2.8	5.00	4.65
4.65 NO							
L0000583	0	0.95969E-03	490490.5	3610321.4	2.8	5.00	4.65
4.65 NO							
L0000584	0	0.95969E-03	490493.4	3610311.8	2.8	5.00	4.65
4.65 NO							
L0000585	0	0.95969E-03	490496.4	3610302.3	2.9	5.00	4.65
4.65 NO							
L0000586	0	0.95969E-03	490499.3	3610292.7	3.0	5.00	4.65
4.65 NO							
L0000587	0	0.95969E-03	490502.2	3610283.1	3.0	5.00	4.65
4.65 NO							
L0000588	0	0.95969E-03	490505.1	3610273.6	3.0	5.00	4.65
4.65 NO							
L0000589	0	0.95969E-03	490508.0	3610264.0	3.0	5.00	4.65
4.65 NO							
L0000590	0	0.95969E-03	490511.0	3610254.5	3.0	5.00	4.65
4.65 NO							
L0000591	0	0.95969E-03	490513.9	3610244.9	3.0	5.00	4.65
4.65 NO							
L0000592	0	0.95969E-03	490516.8	3610235.3	2.9	5.00	4.65
4.65 NO							
L0000593	0	0.95969E-03	490519.7	3610225.8	2.9	5.00	4.65
4.65 NO							
L0000594	0	0.95969E-03	490522.6	3610216.2	2.9	5.00	4.65
4.65 NO							
L0000595	0	0.95969E-03	490525.6	3610206.6	2.9	5.00	4.65
4.65 NO							
L0000596	0	0.95969E-03	490528.5	3610197.1	3.0	5.00	4.65
4.65 NO							
L0000597	0	0.95969E-03	490531.4	3610187.5	2.9	5.00	4.65
4.65 NO							
L0000598	0	0.95969E-03	490534.3	3610177.9	2.8	5.00	4.65
4.65 NO							
L0000599	0	0.95969E-03	490537.2	3610168.4	2.7	5.00	4.65
4.65 NO							
L0000600	0	0.95969E-03	490540.2	3610158.8	2.7	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY					
(METERS)								
L0000601		0	0.95969E-03	490543.1	3610149.2	2.8	5.00	4.65
4.65	NO							
L0000602		0	0.95969E-03	490550.6	3610148.5	2.8	5.00	4.65
4.65	NO							
L0000603		0	0.95969E-03	490560.1	3610151.6	2.9	5.00	4.65
4.65	NO							
L0000604		0	0.95969E-03	490569.6	3610154.6	2.9	5.00	4.65
4.65	NO							
L0000605		0	0.95969E-03	490579.1	3610157.7	3.0	5.00	4.65
4.65	NO							
L0000606		0	0.95969E-03	490588.6	3610160.8	3.0	5.00	4.65
4.65	NO							
L0000607		0	0.95969E-03	490598.2	3610163.9	3.1	5.00	4.65
4.65	NO							
L0000608		0	0.95969E-03	490607.7	3610166.9	3.1	5.00	4.65
4.65	NO							
L0000609		0	0.95969E-03	490617.2	3610170.0	3.1	5.00	4.65
4.65	NO							
L0000610		0	0.95969E-03	490626.7	3610173.1	3.1	5.00	4.65
4.65	NO							
L0000611		0	0.95969E-03	490636.2	3610176.2	3.1	5.00	4.65
4.65	NO							
L0000612		0	0.95969E-03	490645.7	3610179.3	3.2	5.00	4.65
4.65	NO							
L0000613		0	0.95969E-03	490655.2	3610182.3	3.3	5.00	4.65
4.65	NO							
L0000614		0	0.95969E-03	490664.8	3610185.4	3.4	5.00	4.65
4.65	NO							
L0000615		0	0.95969E-03	490674.3	3610188.5	3.4	5.00	4.65
4.65	NO							

L0000616	0	0.95969E-03	490683.8	3610191.6	3.5	5.00	4.65
4.65 NO							
L0000617	0	0.95969E-03	490693.3	3610194.6	3.5	5.00	4.65
4.65 NO							
L0000618	0	0.95969E-03	490702.8	3610197.7	3.6	5.00	4.65
4.65 NO							
L0000619	0	0.95969E-03	490712.3	3610200.8	3.6	5.00	4.65
4.65 NO							
L0000620	0	0.95969E-03	490721.9	3610203.9	3.6	5.00	4.65
4.65 NO							
L0000621	0	0.95969E-03	490721.1	3610211.8	3.7	5.00	4.65
4.65 NO							
L0000622	0	0.95969E-03	490717.5	3610221.2	3.7	5.00	4.65
4.65 NO							
L0000623	0	0.95969E-03	490713.9	3610230.5	3.7	5.00	4.65
4.65 NO							
L0000624	0	0.95969E-03	490710.4	3610239.9	3.8	5.00	4.65
4.65 NO							
L0000625	0	0.95969E-03	490706.8	3610249.2	3.8	5.00	4.65
4.65 NO							
L0000626	0	0.95969E-03	490703.2	3610258.5	3.8	5.00	4.65
4.65 NO							
L0000627	0	0.95969E-03	490699.6	3610267.9	3.8	5.00	4.65
4.65 NO							
L0000628	0	0.95969E-03	490696.0	3610277.2	3.8	5.00	4.65
4.65 NO							
L0000629	0	0.95969E-03	490692.4	3610286.5	3.7	5.00	4.65
4.65 NO							
L0000630	0	0.95969E-03	490688.8	3610295.9	3.7	5.00	4.65
4.65 NO							
L0000631	0	0.95969E-03	490685.2	3610305.2	3.7	5.00	4.65
4.65 NO							
L0000632	0	0.95969E-03	490681.7	3610314.5	3.7	5.00	4.65
4.65 NO							
L0000633	0	0.95969E-03	490678.1	3610323.9	3.7	5.00	4.65
4.65 NO							
L0000634	0	0.95969E-03	490674.5	3610333.2	3.6	5.00	4.65
4.65 NO							
L0000635	0	0.95969E-03	490670.9	3610342.5	3.6	5.00	4.65
4.65 NO							
L0000636	0	0.95969E-03	490667.3	3610351.9	3.6	5.00	4.65
4.65 NO							
L0000637	0	0.95969E-03	490663.7	3610361.2	3.7	5.00	4.65
4.65 NO							
L0000638	0	0.95969E-03	490660.1	3610370.5	3.7	5.00	4.65
4.65 NO							
L0000639	0	0.95969E-03	490656.5	3610379.9	3.7	5.00	4.65
4.65 NO							
L0000640	0	0.95969E-03	490653.0	3610389.2	3.7	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000641		0	0.95969E-03	490649.4	3610398.5	3.7	5.00	4.65
4.65	NO							
L0000642		0	0.95969E-03	490641.5	3610399.2	3.6	5.00	4.65
4.65	NO							
L0000643		0	0.95969E-03	490632.0	3610396.3	3.6	5.00	4.65
4.65	NO							
L0000644		0	0.95969E-03	490622.4	3610393.4	3.6	5.00	4.65
4.65	NO							
L0000645		0	0.95969E-03	490612.8	3610390.5	3.6	5.00	4.65
4.65	NO							
L0000646		0	0.95969E-03	490603.2	3610387.6	3.5	5.00	4.65
4.65	NO							
L0000647		0	0.95969E-03	490593.7	3610384.7	3.4	5.00	4.65
4.65	NO							
L0000648		0	0.95969E-03	490584.1	3610381.9	3.4	5.00	4.65
4.65	NO							
L0000649		0	0.95969E-03	490574.5	3610379.0	3.3	5.00	4.65
4.65	NO							
L0000650		0	0.95969E-03	490564.9	3610376.1	3.2	5.00	4.65
4.65	NO							
L0000651		0	0.95969E-03	490555.4	3610373.2	3.1	5.00	4.65
4.65	NO							
L0000652		0	0.95969E-03	490545.8	3610370.3	3.1	5.00	4.65
4.65	NO							
L0000653		0	0.95969E-03	490536.2	3610367.4	3.0	5.00	4.65
4.65	NO							
L0000654		0	0.95969E-03	490526.6	3610364.5	3.0	5.00	4.65
4.65	NO							
L0000655		0	0.95969E-03	490517.1	3610361.6	2.9	5.00	4.65
4.65	NO							

L0000656	0	0.95969E-03	490507.5	3610358.7	2.8	5.00	4.65
4.65 NO							
L0000657	0	0.95969E-03	490497.9	3610355.9	2.7	5.00	4.65
4.65 NO							
L0000658	0	0.95969E-03	490494.6	3610349.6	2.7	5.00	4.65
4.65 NO							
L0000659	0	0.95969E-03	490497.5	3610340.1	2.8	5.00	4.65
4.65 NO							
L0000660	0	0.95969E-03	490500.5	3610330.5	2.8	5.00	4.65
4.65 NO							
L0000661	0	0.95969E-03	490503.4	3610321.0	2.9	5.00	4.65
4.65 NO							
L0000662	0	0.95969E-03	490506.4	3610311.4	2.9	5.00	4.65
4.65 NO							
L0000663	0	0.95969E-03	490509.3	3610301.9	3.0	5.00	4.65
4.65 NO							
L0000664	0	0.95969E-03	490512.3	3610292.3	3.0	5.00	4.65
4.65 NO							
L0000665	0	0.95969E-03	490515.2	3610282.8	3.0	5.00	4.65
4.65 NO							
L0000666	0	0.95969E-03	490518.2	3610273.2	3.0	5.00	4.65
4.65 NO							
L0000667	0	0.95969E-03	490521.1	3610263.7	3.0	5.00	4.65
4.65 NO							
L0000668	0	0.95969E-03	490524.1	3610254.1	2.9	5.00	4.65
4.65 NO							
L0000669	0	0.95969E-03	490527.0	3610244.5	2.9	5.00	4.65
4.65 NO							
L0000670	0	0.95969E-03	490530.0	3610235.0	2.9	5.00	4.65
4.65 NO							
L0000671	0	0.95969E-03	490532.9	3610225.4	2.9	5.00	4.65
4.65 NO							
L0000672	0	0.95969E-03	490535.9	3610215.9	2.9	5.00	4.65
4.65 NO							
L0000673	0	0.95969E-03	490538.8	3610206.3	3.0	5.00	4.65
4.65 NO							
L0000674	0	0.95969E-03	490541.8	3610196.8	3.0	5.00	4.65
4.65 NO							
L0000675	0	0.95969E-03	490544.7	3610187.2	2.9	5.00	4.65
4.65 NO							
L0000676	0	0.95969E-03	490547.7	3610177.7	2.8	5.00	4.65
4.65 NO							
L0000677	0	0.95969E-03	490550.6	3610168.1	2.8	5.00	4.65
4.65 NO							
L0000678	0	0.95969E-03	490557.1	3610165.5	2.8	5.00	4.65
4.65 NO							
L0000679	0	0.95969E-03	490566.6	3610168.7	2.9	5.00	4.65
4.65 NO							
L0000680	0	0.95969E-03	490576.0	3610172.0	3.0	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
L0000681		0	0.95969E-03	490585.5	3610175.2	3.0	5.00	4.65
4.65	NO							
L0000682		0	0.95969E-03	490594.9	3610178.5	3.1	5.00	4.65
4.65	NO							
L0000683		0	0.95969E-03	490604.4	3610181.7	3.1	5.00	4.65
4.65	NO							
L0000684		0	0.95969E-03	490613.9	3610185.0	3.1	5.00	4.65
4.65	NO							
L0000685		0	0.95969E-03	490623.3	3610188.2	3.0	5.00	4.65
4.65	NO							
L0000686		0	0.95969E-03	490632.8	3610191.5	3.0	5.00	4.65
4.65	NO							
L0000687		0	0.95969E-03	490642.2	3610194.7	3.1	5.00	4.65
4.65	NO							
L0000688		0	0.95969E-03	490651.7	3610198.0	3.2	5.00	4.65
4.65	NO							
L0000689		0	0.95969E-03	490661.2	3610201.2	3.4	5.00	4.65
4.65	NO							
L0000690		0	0.95969E-03	490670.6	3610204.5	3.4	5.00	4.65
4.65	NO							
L0000691		0	0.95969E-03	490680.1	3610207.7	3.5	5.00	4.65
4.65	NO							
L0000692		0	0.95969E-03	490689.5	3610211.0	3.6	5.00	4.65
4.65	NO							
L0000693		0	0.95969E-03	490699.0	3610214.2	3.6	5.00	4.65
4.65	NO							
L0000694		0	0.95969E-03	490704.9	3610219.1	3.7	5.00	4.65
4.65	NO							
L0000695		0	0.95969E-03	490701.3	3610228.5	3.7	5.00	4.65
4.65	NO							

L0000696	0	0.95969E-03	490697.6	3610237.8	3.7	5.00	4.65
4.65 NO							
L0000697	0	0.95969E-03	490694.0	3610247.1	3.7	5.00	4.65
4.65 NO							
L0000698	0	0.95969E-03	490690.4	3610256.4	3.8	5.00	4.65
4.65 NO							
L0000699	0	0.95969E-03	490686.8	3610265.7	3.8	5.00	4.65
4.65 NO							
L0000700	0	0.95969E-03	490683.2	3610275.1	3.7	5.00	4.65
4.65 NO							
L0000701	0	0.95969E-03	490679.5	3610284.4	3.7	5.00	4.65
4.65 NO							
L0000702	0	0.95969E-03	490675.9	3610293.7	3.6	5.00	4.65
4.65 NO							
L0000703	0	0.95969E-03	490672.3	3610303.0	3.6	5.00	4.65
4.65 NO							
L0000704	0	0.95969E-03	490668.7	3610312.4	3.6	5.00	4.65
4.65 NO							
L0000705	0	0.95969E-03	490665.1	3610321.7	3.6	5.00	4.65
4.65 NO							
L0000706	0	0.95969E-03	490661.4	3610331.0	3.6	5.00	4.65
4.65 NO							
L0000707	0	0.95969E-03	490657.8	3610340.3	3.6	5.00	4.65
4.65 NO							
L0000708	0	0.95969E-03	490654.2	3610349.6	3.6	5.00	4.65
4.65 NO							
L0000709	0	0.95969E-03	490650.6	3610359.0	3.6	5.00	4.65
4.65 NO							
L0000710	0	0.95969E-03	490647.0	3610368.3	3.6	5.00	4.65
4.65 NO							
L0000711	0	0.95969E-03	490643.3	3610377.6	3.6	5.00	4.65
4.65 NO							
L0000712	0	0.95969E-03	490639.7	3610386.9	3.6	5.00	4.65
4.65 NO							
L0000713	0	0.95969E-03	490630.3	3610384.3	3.6	5.00	4.65
4.65 NO							
L0000714	0	0.95969E-03	490620.8	3610381.4	3.6	5.00	4.65
4.65 NO							
L0000715	0	0.95969E-03	490611.2	3610378.4	3.5	5.00	4.65
4.65 NO							
L0000716	0	0.95969E-03	490601.7	3610375.5	3.5	5.00	4.65
4.65 NO							
L0000717	0	0.95969E-03	490592.1	3610372.5	3.4	5.00	4.65
4.65 NO							
L0000718	0	0.95969E-03	490582.6	3610369.6	3.4	5.00	4.65
4.65 NO							
L0000719	0	0.95969E-03	490573.0	3610366.7	3.3	5.00	4.65
4.65 NO							
L0000720	0	0.95969E-03	490563.4	3610363.7	3.2	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0000721		0	0.95969E-03	490553.9	3610360.8	3.1	5.00	4.65
4.65	NO							
L0000722		0	0.95969E-03	490544.3	3610357.8	3.1	5.00	4.65
4.65	NO							
L0000723		0	0.95969E-03	490534.8	3610354.9	3.1	5.00	4.65
4.65	NO							
L0000724		0	0.95969E-03	490525.2	3610351.9	3.0	5.00	4.65
4.65	NO							
L0000725		0	0.95969E-03	490515.7	3610349.0	2.9	5.00	4.65
4.65	NO							
L0000726		0	0.95969E-03	490507.5	3610345.3	2.8	5.00	4.65
4.65	NO							
L0000727		0	0.95969E-03	490510.4	3610335.7	2.9	5.00	4.65
4.65	NO							
L0000728		0	0.95969E-03	490513.3	3610326.2	2.9	5.00	4.65
4.65	NO							
L0000729		0	0.95969E-03	490516.2	3610316.6	3.0	5.00	4.65
4.65	NO							
L0000730		0	0.95969E-03	490519.1	3610307.0	3.0	5.00	4.65
4.65	NO							
L0000731		0	0.95969E-03	490522.0	3610297.5	3.0	5.00	4.65
4.65	NO							
L0000732		0	0.95969E-03	490524.9	3610287.9	3.0	5.00	4.65
4.65	NO							
L0000733		0	0.95969E-03	490527.8	3610278.3	3.0	5.00	4.65
4.65	NO							
L0000734		0	0.95969E-03	490530.7	3610268.8	3.0	5.00	4.65
4.65	NO							
L0000735		0	0.95969E-03	490533.6	3610259.2	3.0	5.00	4.65
4.65	NO							

L0000736	0	0.95969E-03	490536.5	3610249.6	2.9	5.00	4.65
4.65 NO							
L0000737	0	0.95969E-03	490539.4	3610240.0	2.9	5.00	4.65
4.65 NO							
L0000738	0	0.95969E-03	490542.3	3610230.5	2.9	5.00	4.65
4.65 NO							
L0000739	0	0.95969E-03	490545.2	3610220.9	2.9	5.00	4.65
4.65 NO							
L0000740	0	0.95969E-03	490548.1	3610211.3	3.0	5.00	4.65
4.65 NO							
L0000741	0	0.95969E-03	490551.0	3610201.8	3.0	5.00	4.65
4.65 NO							
L0000742	0	0.95969E-03	490553.9	3610192.2	3.0	5.00	4.65
4.65 NO							
L0000743	0	0.95969E-03	490557.2	3610183.3	2.9	5.00	4.65
4.65 NO							
L0000744	0	0.95969E-03	490566.7	3610186.4	3.0	5.00	4.65
4.65 NO							
L0000745	0	0.95969E-03	490576.2	3610189.4	3.1	5.00	4.65
4.65 NO							
L0000746	0	0.95969E-03	490585.7	3610192.5	3.1	5.00	4.65
4.65 NO							
L0000747	0	0.95969E-03	490595.3	3610195.5	3.1	5.00	4.65
4.65 NO							
L0000748	0	0.95969E-03	490604.8	3610198.6	3.0	5.00	4.65
4.65 NO							
L0000749	0	0.95969E-03	490614.3	3610201.7	3.0	5.00	4.65
4.65 NO							
L0000750	0	0.95969E-03	490623.8	3610204.7	3.0	5.00	4.65
4.65 NO							
L0000751	0	0.95969E-03	490633.3	3610207.8	3.1	5.00	4.65
4.65 NO							
L0000752	0	0.95969E-03	490642.9	3610210.9	3.2	5.00	4.65
4.65 NO							
L0000753	0	0.95969E-03	490652.4	3610213.9	3.3	5.00	4.65
4.65 NO							
L0000754	0	0.95969E-03	490661.9	3610217.0	3.4	5.00	4.65
4.65 NO							
L0000755	0	0.95969E-03	490671.4	3610220.0	3.5	5.00	4.65
4.65 NO							
L0000756	0	0.95969E-03	490680.9	3610223.1	3.5	5.00	4.65
4.65 NO							
L0000757	0	0.95969E-03	490689.6	3610226.6	3.6	5.00	4.65
4.65 NO							
L0000758	0	0.95969E-03	490686.0	3610235.9	3.6	5.00	4.65
4.65 NO							
L0000759	0	0.95969E-03	490682.4	3610245.3	3.7	5.00	4.65
4.65 NO							
L0000760	0	0.95969E-03	490678.9	3610254.6	3.7	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000761		0	0.95969E-03	490675.3	3610264.0	3.7	5.00	4.65
4.65	NO							
L0000762		0	0.95969E-03	490671.8	3610273.3	3.6	5.00	4.65
4.65	NO							
L0000763		0	0.95969E-03	490668.2	3610282.7	3.6	5.00	4.65
4.65	NO							
L0000764		0	0.95969E-03	490664.7	3610292.0	3.5	5.00	4.65
4.65	NO							
L0000765		0	0.95969E-03	490661.1	3610301.4	3.5	5.00	4.65
4.65	NO							
L0000766		0	0.95969E-03	490657.5	3610310.7	3.5	5.00	4.65
4.65	NO							
L0000767		0	0.95969E-03	490654.0	3610320.0	3.6	5.00	4.65
4.65	NO							
L0000768		0	0.95969E-03	490650.4	3610329.4	3.6	5.00	4.65
4.65	NO							
L0000769		0	0.95969E-03	490646.9	3610338.7	3.6	5.00	4.65
4.65	NO							
L0000770		0	0.95969E-03	490643.3	3610348.1	3.6	5.00	4.65
4.65	NO							
L0000771		0	0.95969E-03	490639.7	3610357.4	3.6	5.00	4.65
4.65	NO							
L0000772		0	0.95969E-03	490636.2	3610366.8	3.6	5.00	4.65
4.65	NO							
L0000773		0	0.95969E-03	490628.6	3610368.2	3.6	5.00	4.65
4.65	NO							
L0000774		0	0.95969E-03	490619.0	3610365.5	3.5	5.00	4.65
4.65	NO							
L0000775		0	0.95969E-03	490609.4	3610362.8	3.5	5.00	4.65
4.65	NO							

L0000776	0	0.95969E-03	490599.7	3610360.1	3.5	5.00	4.65
4.65 NO							
L0000777	0	0.95969E-03	490590.1	3610357.4	3.4	5.00	4.65
4.65 NO							
L0000778	0	0.95969E-03	490580.5	3610354.7	3.3	5.00	4.65
4.65 NO							
L0000779	0	0.95969E-03	490570.8	3610352.0	3.3	5.00	4.65
4.65 NO							
L0000780	0	0.95969E-03	490561.2	3610349.3	3.2	5.00	4.65
4.65 NO							
L0000781	0	0.95969E-03	490551.6	3610346.6	3.1	5.00	4.65
4.65 NO							
L0000782	0	0.95969E-03	490541.9	3610343.9	3.1	5.00	4.65
4.65 NO							
L0000783	0	0.95969E-03	490532.3	3610341.2	3.1	5.00	4.65
4.65 NO							
L0000784	0	0.95969E-03	490522.7	3610338.5	3.0	5.00	4.65
4.65 NO							
L0000785	0	0.95969E-03	490518.9	3610332.7	3.0	5.00	4.65
4.65 NO							
L0000786	0	0.95969E-03	490521.9	3610323.1	3.0	5.00	4.65
4.65 NO							
L0000787	0	0.95969E-03	490525.0	3610313.6	3.0	5.00	4.65
4.65 NO							
L0000788	0	0.95969E-03	490528.0	3610304.1	3.0	5.00	4.65
4.65 NO							
L0000789	0	0.95969E-03	490531.0	3610294.5	3.0	5.00	4.65
4.65 NO							
L0000790	0	0.95969E-03	490534.0	3610285.0	3.0	5.00	4.65
4.65 NO							
L0000791	0	0.95969E-03	490537.0	3610275.5	3.0	5.00	4.65
4.65 NO							
L0000792	0	0.95969E-03	490540.0	3610265.9	3.0	5.00	4.65
4.65 NO							
L0000793	0	0.95969E-03	490543.0	3610256.4	3.0	5.00	4.65
4.65 NO							
L0000794	0	0.95969E-03	490546.1	3610246.9	3.0	5.00	4.65
4.65 NO							
L0000795	0	0.95969E-03	490549.1	3610237.3	3.0	5.00	4.65
4.65 NO							
L0000796	0	0.95969E-03	490552.1	3610227.8	2.9	5.00	4.65
4.65 NO							
L0000797	0	0.95969E-03	490555.1	3610218.2	3.0	5.00	4.65
4.65 NO							
L0000798	0	0.95969E-03	490558.1	3610208.7	3.0	5.00	4.65
4.65 NO							
L0000799	0	0.95969E-03	490561.1	3610199.2	3.0	5.00	4.65
4.65 NO							
L0000800	0	0.95969E-03	490567.8	3610196.7	3.1	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000801		0	0.95969E-03	490577.3	3610199.9	3.1	5.00	4.65
4.65	NO							
L0000802		0	0.95969E-03	490586.7	3610203.1	3.1	5.00	4.65
4.65	NO							
L0000803		0	0.95969E-03	490596.2	3610206.2	3.1	5.00	4.65
4.65	NO							
L0000804		0	0.95969E-03	490605.7	3610209.4	3.1	5.00	4.65
4.65	NO							
L0000805		0	0.95969E-03	490615.2	3610212.5	3.1	5.00	4.65
4.65	NO							
L0000806		0	0.95969E-03	490624.7	3610215.7	3.1	5.00	4.65
4.65	NO							
L0000807		0	0.95969E-03	490634.2	3610218.9	3.1	5.00	4.65
4.65	NO							
L0000808		0	0.95969E-03	490643.7	3610222.0	3.3	5.00	4.65
4.65	NO							
L0000809		0	0.95969E-03	490653.2	3610225.2	3.4	5.00	4.65
4.65	NO							
L0000810		0	0.95969E-03	490662.6	3610228.4	3.5	5.00	4.65
4.65	NO							
L0000811		0	0.95969E-03	490672.1	3610231.5	3.5	5.00	4.65
4.65	NO							
L0000812		0	0.95969E-03	490675.3	3610237.7	3.6	5.00	4.65
4.65	NO							
L0000813		0	0.95969E-03	490671.7	3610247.0	3.6	5.00	4.65
4.65	NO							
L0000814		0	0.95969E-03	490668.1	3610256.3	3.6	5.00	4.65
4.65	NO							
L0000815		0	0.95969E-03	490664.5	3610265.6	3.6	5.00	4.65
4.65	NO							

L0000816	0	0.95969E-03	490660.9	3610275.0	3.5	5.00	4.65
4.65 NO							
L0000817	0	0.95969E-03	490657.3	3610284.3	3.5	5.00	4.65
4.65 NO							
L0000818	0	0.95969E-03	490653.7	3610293.6	3.5	5.00	4.65
4.65 NO							
L0000819	0	0.95969E-03	490650.1	3610302.9	3.5	5.00	4.65
4.65 NO							
L0000820	0	0.95969E-03	490646.4	3610312.3	3.5	5.00	4.65
4.65 NO							
L0000821	0	0.95969E-03	490642.8	3610321.6	3.5	5.00	4.65
4.65 NO							
L0000822	0	0.95969E-03	490639.2	3610330.9	3.5	5.00	4.65
4.65 NO							
L0000823	0	0.95969E-03	490635.6	3610340.3	3.5	5.00	4.65
4.65 NO							
L0000824	0	0.95969E-03	490632.0	3610349.6	3.6	5.00	4.65
4.65 NO							
L0000825	0	0.95969E-03	490628.4	3610358.9	3.6	5.00	4.65
4.65 NO							
L0000826	0	0.95969E-03	490620.0	3610358.4	3.5	5.00	4.65
4.65 NO							
L0000827	0	0.95969E-03	490610.5	3610355.5	3.5	5.00	4.65
4.65 NO							
L0000828	0	0.95969E-03	490600.9	3610352.5	3.4	5.00	4.65
4.65 NO							
L0000829	0	0.95969E-03	490591.4	3610349.6	3.4	5.00	4.65
4.65 NO							
L0000830	0	0.95969E-03	490581.8	3610346.7	3.3	5.00	4.65
4.65 NO							
L0000831	0	0.95969E-03	490572.2	3610343.7	3.3	5.00	4.65
4.65 NO							
L0000832	0	0.95969E-03	490562.7	3610340.8	3.2	5.00	4.65
4.65 NO							
L0000833	0	0.95969E-03	490553.1	3610337.9	3.1	5.00	4.65
4.65 NO							
L0000834	0	0.95969E-03	490543.6	3610334.9	3.1	5.00	4.65
4.65 NO							
L0000835	0	0.95969E-03	490534.0	3610332.0	3.1	5.00	4.65
4.65 NO							
L0000836	0	0.95969E-03	490531.5	3610325.3	3.1	5.00	4.65
4.65 NO							
L0000837	0	0.95969E-03	490534.4	3610315.7	3.1	5.00	4.65
4.65 NO							
L0000838	0	0.95969E-03	490537.3	3610306.1	3.1	5.00	4.65
4.65 NO							
L0000839	0	0.95969E-03	490540.1	3610296.5	3.1	5.00	4.65
4.65 NO							
L0000840	0	0.95969E-03	490543.0	3610286.9	3.1	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID	SCALAR	VARY						
(METERS)	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000841	0	0.95969E-03	490545.9	3610277.4	3.0	5.00	4.65	
4.65	NO							
L0000842	0	0.95969E-03	490548.7	3610267.8	3.0	5.00	4.65	
4.65	NO							
L0000843	0	0.95969E-03	490551.6	3610258.2	3.0	5.00	4.65	
4.65	NO							
L0000844	0	0.95969E-03	490554.5	3610248.6	3.0	5.00	4.65	
4.65	NO							
L0000845	0	0.95969E-03	490557.3	3610239.0	3.0	5.00	4.65	
4.65	NO							
L0000846	0	0.95969E-03	490560.2	3610229.5	3.0	5.00	4.65	
4.65	NO							
L0000847	0	0.95969E-03	490563.1	3610219.9	3.0	5.00	4.65	
4.65	NO							
L0000848	0	0.95969E-03	490565.9	3610210.3	3.0	5.00	4.65	
4.65	NO							
L0000849	0	0.95969E-03	490571.5	3610206.0	3.1	5.00	4.65	
4.65	NO							
L0000850	0	0.95969E-03	490581.0	3610209.3	3.1	5.00	4.65	
4.65	NO							
L0000851	0	0.95969E-03	490590.4	3610212.6	3.1	5.00	4.65	
4.65	NO							
L0000852	0	0.95969E-03	490599.9	3610215.9	3.1	5.00	4.65	
4.65	NO							
L0000853	0	0.95969E-03	490609.3	3610219.2	3.1	5.00	4.65	
4.65	NO							
L0000854	0	0.95969E-03	490618.7	3610222.4	3.1	5.00	4.65	
4.65	NO							
L0000855	0	0.95969E-03	490628.2	3610225.7	3.2	5.00	4.65	
4.65	NO							

L0000856	0	0.95969E-03	490637.6	3610229.0	3.2	5.00	4.65
4.65 NO							
L0000857	0	0.95969E-03	490647.1	3610232.3	3.3	5.00	4.65
4.65 NO							
L0000858	0	0.95969E-03	490656.5	3610235.6	3.4	5.00	4.65
4.65 NO							
L0000859	0	0.95969E-03	490664.7	3610239.4	3.5	5.00	4.65
4.65 NO							
L0000860	0	0.95969E-03	490661.1	3610248.7	3.5	5.00	4.65
4.65 NO							
L0000861	0	0.95969E-03	490657.4	3610258.0	3.5	5.00	4.65
4.65 NO							
L0000862	0	0.95969E-03	490653.7	3610267.4	3.5	5.00	4.65
4.65 NO							
L0000863	0	0.95969E-03	490650.1	3610276.7	3.4	5.00	4.65
4.65 NO							
L0000864	0	0.95969E-03	490646.4	3610286.0	3.4	5.00	4.65
4.65 NO							
L0000865	0	0.95969E-03	490642.8	3610295.3	3.4	5.00	4.65
4.65 NO							
L0000866	0	0.95969E-03	490639.1	3610304.6	3.5	5.00	4.65
4.65 NO							
L0000867	0	0.95969E-03	490635.4	3610313.9	3.5	5.00	4.65
4.65 NO							
L0000868	0	0.95969E-03	490631.8	3610323.2	3.5	5.00	4.65
4.65 NO							
L0000869	0	0.95969E-03	490628.1	3610332.5	3.5	5.00	4.65
4.65 NO							
L0000870	0	0.95969E-03	490624.5	3610341.8	3.5	5.00	4.65
4.65 NO							
L0000871	0	0.95969E-03	490620.8	3610351.1	3.5	5.00	4.65
4.65 NO							
L0000872	0	0.95969E-03	490611.5	3610348.1	3.5	5.00	4.65
4.65 NO							
L0000873	0	0.95969E-03	490602.1	3610344.9	3.4	5.00	4.65
4.65 NO							
L0000874	0	0.95969E-03	490592.6	3610341.6	3.4	5.00	4.65
4.65 NO							
L0000875	0	0.95969E-03	490583.2	3610338.3	3.3	5.00	4.65
4.65 NO							
L0000876	0	0.95969E-03	490573.7	3610335.0	3.2	5.00	4.65
4.65 NO							
L0000877	0	0.95969E-03	490564.3	3610331.8	3.2	5.00	4.65
4.65 NO							
L0000878	0	0.95969E-03	490554.8	3610328.5	3.1	5.00	4.65
4.65 NO							
L0000879	0	0.95969E-03	490545.4	3610325.2	3.1	5.00	4.65
4.65 NO							
L0000880	0	0.95969E-03	490545.5	3610317.1	3.1	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0000881		0	0.95969E-03	490548.4	3610307.6	3.1	5.00	4.65
4.65	NO							
L0000882		0	0.95969E-03	490551.4	3610298.0	3.1	5.00	4.65
4.65	NO							
L0000883		0	0.95969E-03	490554.3	3610288.4	3.1	5.00	4.65
4.65	NO							
L0000884		0	0.95969E-03	490557.3	3610278.9	3.1	5.00	4.65
4.65	NO							
L0000885		0	0.95969E-03	490560.2	3610269.3	3.1	5.00	4.65
4.65	NO							
L0000886		0	0.95969E-03	490563.2	3610259.8	3.1	5.00	4.65
4.65	NO							
L0000887		0	0.95969E-03	490566.1	3610250.2	3.1	5.00	4.65
4.65	NO							
L0000888		0	0.95969E-03	490569.1	3610240.7	3.1	5.00	4.65
4.65	NO							
L0000889		0	0.95969E-03	490572.1	3610231.1	3.1	5.00	4.65
4.65	NO							
L0000890		0	0.95969E-03	490575.0	3610221.6	3.1	5.00	4.65
4.65	NO							
L0000891		0	0.95969E-03	490581.5	3610219.1	3.1	5.00	4.65
4.65	NO							
L0000892		0	0.95969E-03	490590.9	3610222.5	3.1	5.00	4.65
4.65	NO							
L0000893		0	0.95969E-03	490600.3	3610225.9	3.1	5.00	4.65
4.65	NO							
L0000894		0	0.95969E-03	490609.7	3610229.4	3.2	5.00	4.65
4.65	NO							
L0000895		0	0.95969E-03	490619.1	3610232.8	3.2	5.00	4.65
4.65	NO							

L0000896	0	0.95969E-03	490628.5	3610236.2	3.2	5.00	4.65
4.65 NO							
L0000897	0	0.95969E-03	490637.9	3610239.6	3.3	5.00	4.65
4.65 NO							
L0000898	0	0.95969E-03	490647.3	3610243.0	3.4	5.00	4.65
4.65 NO							
L0000899	0	0.95969E-03	490650.5	3610249.3	3.4	5.00	4.65
4.65 NO							
L0000900	0	0.95969E-03	490647.1	3610258.8	3.4	5.00	4.65
4.65 NO							
L0000901	0	0.95969E-03	490643.7	3610268.2	3.4	5.00	4.65
4.65 NO							
L0000902	0	0.95969E-03	490640.3	3610277.6	3.4	5.00	4.65
4.65 NO							
L0000903	0	0.95969E-03	490636.9	3610287.0	3.4	5.00	4.65
4.65 NO							
L0000904	0	0.95969E-03	490633.5	3610296.4	3.4	5.00	4.65
4.65 NO							
L0000905	0	0.95969E-03	490630.1	3610305.8	3.4	5.00	4.65
4.65 NO							
L0000906	0	0.95969E-03	490626.7	3610315.2	3.5	5.00	4.65
4.65 NO							
L0000907	0	0.95969E-03	490623.3	3610324.6	3.5	5.00	4.65
4.65 NO							
L0000908	0	0.95969E-03	490619.9	3610334.0	3.5	5.00	4.65
4.65 NO							
L0000909	0	0.95969E-03	490614.7	3610339.7	3.5	5.00	4.65
4.65 NO							
L0000910	0	0.95969E-03	490605.2	3610336.7	3.4	5.00	4.65
4.65 NO							
L0000911	0	0.95969E-03	490595.7	3610333.7	3.4	5.00	4.65
4.65 NO							
L0000912	0	0.95969E-03	490586.2	3610330.7	3.3	5.00	4.65
4.65 NO							
L0000913	0	0.95969E-03	490576.6	3610327.6	3.2	5.00	4.65
4.65 NO							
L0000914	0	0.95969E-03	490567.1	3610324.6	3.2	5.00	4.65
4.65 NO							
L0000915	0	0.95969E-03	490557.6	3610321.6	3.1	5.00	4.65
4.65 NO							
L0000916	0	0.95969E-03	490553.9	3610315.5	3.1	5.00	4.65
4.65 NO							
L0000917	0	0.95969E-03	490556.9	3610306.0	3.1	5.00	4.65
4.65 NO							
L0000918	0	0.95969E-03	490560.0	3610296.5	3.1	5.00	4.65
4.65 NO							
L0000919	0	0.95969E-03	490563.0	3610287.0	3.1	5.00	4.65
4.65 NO							
L0000920	0	0.95969E-03	490566.0	3610277.4	3.1	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
4.65	NO	0	0.95969E-03	490569.1	3610267.9	3.1	5.00	4.65
4.65	NO	0	0.95969E-03	490572.1	3610258.4	3.1	5.00	4.65
4.65	NO	0	0.95969E-03	490575.2	3610248.9	3.1	5.00	4.65
4.65	NO	0	0.95969E-03	490578.2	3610239.3	3.1	5.00	4.65
4.65	NO	0	0.95969E-03	490581.3	3610229.8	3.1	5.00	4.65
4.65	NO	0	0.95969E-03	490588.7	3610229.1	3.1	5.00	4.65
4.65	NO	0	0.95969E-03	490598.1	3610232.4	3.2	5.00	4.65
4.65	NO	0	0.95969E-03	490607.6	3610235.8	3.2	5.00	4.65
4.65	NO	0	0.95969E-03	490617.0	3610239.1	3.2	5.00	4.65
4.65	NO	0	0.95969E-03	490626.4	3610242.4	3.2	5.00	4.65
4.65	NO	0	0.95969E-03	490635.9	3610245.7	3.3	5.00	4.65
4.65	NO	0	0.95969E-03	490644.3	3610249.5	3.4	5.00	4.65
4.65	NO	0	0.95969E-03	490641.0	3610259.0	3.3	5.00	4.65
4.65	NO	0	0.95969E-03	490637.8	3610268.5	3.3	5.00	4.65
4.65	NO	0	0.95969E-03	490634.5	3610277.9	3.4	5.00	4.65

L0000936	0	0.95969E-03	490631.2	3610287.4	3.4	5.00	4.65
4.65 NO							
L0000937	0	0.95969E-03	490628.0	3610296.8	3.4	5.00	4.65
4.65 NO							
L0000938	0	0.95969E-03	490624.7	3610306.3	3.4	5.00	4.65
4.65 NO							
L0000939	0	0.95969E-03	490621.5	3610315.7	3.4	5.00	4.65
4.65 NO							
L0000940	0	0.95969E-03	490618.2	3610325.2	3.4	5.00	4.65
4.65 NO							
L0000941	0	0.95969E-03	490614.9	3610334.6	3.5	5.00	4.65
4.65 NO							
L0000942	0	0.95969E-03	490605.7	3610332.1	3.4	5.00	4.65
4.65 NO							
L0000943	0	0.95969E-03	490596.2	3610329.1	3.4	5.00	4.65
4.65 NO							
L0000944	0	0.95969E-03	490586.7	3610326.0	3.3	5.00	4.65
4.65 NO							
L0000945	0	0.95969E-03	490577.2	3610322.9	3.2	5.00	4.65
4.65 NO							
L0000946	0	0.95969E-03	490567.7	3610319.8	3.2	5.00	4.65
4.65 NO							
L0000947	0	0.95969E-03	490559.0	3610316.3	3.1	5.00	4.65
4.65 NO							
L0000948	0	0.95969E-03	490562.0	3610306.8	3.1	5.00	4.65
4.65 NO							
L0000949	0	0.95969E-03	490565.1	3610297.3	3.1	5.00	4.65
4.65 NO							
L0000950	0	0.95969E-03	490568.2	3610287.8	3.1	5.00	4.65
4.65 NO							
L0000951	0	0.95969E-03	490571.3	3610278.3	3.1	5.00	4.65
4.65 NO							
L0000952	0	0.95969E-03	490574.3	3610268.7	3.1	5.00	4.65
4.65 NO							
L0000953	0	0.95969E-03	490577.4	3610259.2	3.1	5.00	4.65
4.65 NO							
L0000954	0	0.95969E-03	490580.5	3610249.7	3.1	5.00	4.65
4.65 NO							
L0000955	0	0.95969E-03	490583.6	3610240.2	3.1	5.00	4.65
4.65 NO							
L0000956	0	0.95969E-03	490588.4	3610234.3	3.1	5.00	4.65
4.65 NO							
L0000957	0	0.95969E-03	490597.9	3610237.7	3.2	5.00	4.65
4.65 NO							
L0000958	0	0.95969E-03	490607.3	3610241.0	3.2	5.00	4.65
4.65 NO							
L0000959	0	0.95969E-03	490616.7	3610244.3	3.2	5.00	4.65
4.65 NO							
L0000960	0	0.95969E-03	490626.2	3610247.6	3.2	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000961		0	0.95969E-03	490635.6	3610251.0	3.3	5.00	4.65
4.65	NO							
L0000962		0	0.95969E-03	490635.5	3610258.9	3.3	5.00	4.65
4.65	NO							
L0000963		0	0.95969E-03	490632.2	3610268.3	3.3	5.00	4.65
4.65	NO							
L0000964		0	0.95969E-03	490628.8	3610277.7	3.3	5.00	4.65
4.65	NO							
L0000965		0	0.95969E-03	490625.5	3610287.1	3.4	5.00	4.65
4.65	NO							
L0000966		0	0.95969E-03	490622.2	3610296.6	3.4	5.00	4.65
4.65	NO							
L0000967		0	0.95969E-03	490618.8	3610306.0	3.4	5.00	4.65
4.65	NO							
L0000968		0	0.95969E-03	490615.5	3610315.4	3.4	5.00	4.65
4.65	NO							
L0000969		0	0.95969E-03	490612.2	3610324.9	3.4	5.00	4.65
4.65	NO							
L0000970		0	0.95969E-03	490604.4	3610325.2	3.4	5.00	4.65
4.65	NO							
L0000971		0	0.95969E-03	490595.0	3610321.9	3.3	5.00	4.65
4.65	NO							
L0000972		0	0.95969E-03	490585.5	3610318.7	3.3	5.00	4.65
4.65	NO							
L0000973		0	0.95969E-03	490576.1	3610315.5	3.2	5.00	4.65
4.65	NO							
L0000974		0	0.95969E-03	490567.2	3610311.9	3.2	5.00	4.65
4.65	NO							
L0000975		0	0.95969E-03	490570.2	3610302.3	3.1	5.00	4.65
4.65	NO							

L0000976	0	0.95969E-03	490573.1	3610292.8	3.1	5.00	4.65
4.65 NO							
L0000977	0	0.95969E-03	490576.1	3610283.2	3.1	5.00	4.65
4.65 NO							
L0000978	0	0.95969E-03	490579.0	3610273.7	3.1	5.00	4.65
4.65 NO							
L0000979	0	0.95969E-03	490582.0	3610264.1	3.1	5.00	4.65
4.65 NO							
L0000980	0	0.95969E-03	490585.0	3610254.6	3.1	5.00	4.65
4.65 NO							
L0000981	0	0.95969E-03	490587.9	3610245.0	3.1	5.00	4.65
4.65 NO							
L0000982	0	0.95969E-03	490593.6	3610241.4	3.2	5.00	4.65
4.65 NO							
L0000983	0	0.95969E-03	490602.9	3610245.3	3.2	5.00	4.65
4.65 NO							
L0000984	0	0.95969E-03	490612.1	3610249.2	3.2	5.00	4.65
4.65 NO							
L0000985	0	0.95969E-03	490621.3	3610253.0	3.2	5.00	4.65
4.65 NO							
L0000986	0	0.95969E-03	490630.5	3610256.9	3.3	5.00	4.65
4.65 NO							
L0000987	0	0.95969E-03	490628.6	3610265.6	3.3	5.00	4.65
4.65 NO							
L0000988	0	0.95969E-03	490625.1	3610274.9	3.3	5.00	4.65
4.65 NO							
L0000989	0	0.95969E-03	490621.7	3610284.3	3.3	5.00	4.65
4.65 NO							
L0000990	0	0.95969E-03	490618.2	3610293.7	3.4	5.00	4.65
4.65 NO							
L0000991	0	0.95969E-03	490614.7	3610303.1	3.4	5.00	4.65
4.65 NO							
L0000992	0	0.95969E-03	490611.2	3610312.4	3.4	5.00	4.65
4.65 NO							
L0000993	0	0.95969E-03	490607.3	3610321.0	3.4	5.00	4.65
4.65 NO							
L0000994	0	0.95969E-03	490597.9	3610317.6	3.3	5.00	4.65
4.65 NO							
L0000995	0	0.95969E-03	490588.5	3610314.2	3.3	5.00	4.65
4.65 NO							
L0000996	0	0.95969E-03	490579.1	3610310.8	3.2	5.00	4.65
4.65 NO							
L0000997	0	0.95969E-03	490573.0	3610305.9	3.2	5.00	4.65
4.65 NO							
L0000998	0	0.95969E-03	490576.3	3610296.5	3.2	5.00	4.65
4.65 NO							
L0000999	0	0.95969E-03	490579.6	3610287.0	3.1	5.00	4.65
4.65 NO							
L0001000	0	0.95969E-03	490582.9	3610277.6	3.2	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0001001		0	0.95969E-03	490586.2	3610268.1	3.2	5.00	4.65
4.65	NO							
L0001002		0	0.95969E-03	490589.4	3610258.7	3.1	5.00	4.65
4.65	NO							
L0001003		0	0.95969E-03	490592.7	3610249.2	3.2	5.00	4.65
4.65	NO							
L0001004		0	0.95969E-03	490601.5	3610251.4	3.2	5.00	4.65
4.65	NO							
L0001005		0	0.95969E-03	490610.8	3610254.9	3.2	5.00	4.65
4.65	NO							
L0001006		0	0.95969E-03	490620.2	3610258.5	3.2	5.00	4.65
4.65	NO							
L0001007		0	0.95969E-03	490623.8	3610264.6	3.3	5.00	4.65
4.65	NO							
L0001008		0	0.95969E-03	490620.2	3610273.9	3.3	5.00	4.65
4.65	NO							
L0001009		0	0.95969E-03	490616.7	3610283.3	3.3	5.00	4.65
4.65	NO							
L0001010		0	0.95969E-03	490613.1	3610292.6	3.3	5.00	4.65
4.65	NO							
L0001011		0	0.95969E-03	490609.6	3610302.0	3.3	5.00	4.65
4.65	NO							
L0001012		0	0.95969E-03	490606.0	3610311.3	3.4	5.00	4.65
4.65	NO							
L0001013		0	0.95969E-03	490600.1	3610315.6	3.3	5.00	4.65
4.65	NO							
L0001014		0	0.95969E-03	490590.7	3610312.3	3.3	5.00	4.65
4.65	NO							
L0001015		0	0.95969E-03	490581.2	3610309.0	3.2	5.00	4.65
4.65	NO							

L0001016	0	0.95969E-03	490580.9	3610301.1	3.2	5.00	4.65
4.65 NO							
L0001017	0	0.95969E-03	490583.9	3610291.6	3.2	5.00	4.65
4.65 NO							
L0001018	0	0.95969E-03	490586.9	3610282.0	3.2	5.00	4.65
4.65 NO							
L0001019	0	0.95969E-03	490589.9	3610272.5	3.2	5.00	4.65
4.65 NO							
L0001020	0	0.95969E-03	490592.9	3610263.0	3.2	5.00	4.65
4.65 NO							
L0001021	0	0.95969E-03	490598.3	3610257.9	3.2	5.00	4.65
4.65 NO							
L0001022	0	0.95969E-03	490607.8	3610260.9	3.2	5.00	4.65
4.65 NO							
L0001023	0	0.95969E-03	490617.4	3610263.9	3.2	5.00	4.65
4.65 NO							
L0001024	0	0.95969E-03	490616.0	3610272.1	3.3	5.00	4.65
4.65 NO							
L0001025	0	0.95969E-03	490612.3	3610281.4	3.3	5.00	4.65
4.65 NO							
L0001026	0	0.95969E-03	490608.7	3610290.7	3.3	5.00	4.65
4.65 NO							
L0001027	0	0.95969E-03	490605.0	3610300.0	3.3	5.00	4.65
4.65 NO							
L0001028	0	0.95969E-03	490601.3	3610309.3	3.3	5.00	4.65
4.65 NO							
L0001029	0	0.95969E-03	490592.1	3610306.4	3.3	5.00	4.65
4.65 NO							
L0001030	0	0.95969E-03	490586.4	3610301.2	3.2	5.00	4.65
4.65 NO							
L0001031	0	0.95969E-03	490589.5	3610291.6	3.2	5.00	4.65
4.65 NO							
L0001032	0	0.95969E-03	490592.5	3610282.1	3.2	5.00	4.65
4.65 NO							
L0001033	0	0.95969E-03	490595.6	3610272.6	3.2	5.00	4.65
4.65 NO							
L0001034	0	0.95969E-03	490599.7	3610265.2	3.2	5.00	4.65
4.65 NO							
L0001035	0	0.95969E-03	490609.2	3610268.5	3.2	5.00	4.65
4.65 NO							
L0001036	0	0.95969E-03	490609.6	3610276.1	3.3	5.00	4.65
4.65 NO							
L0001037	0	0.95969E-03	490606.2	3610285.5	3.3	5.00	4.65
4.65 NO							
L0001038	0	0.95969E-03	490602.9	3610294.9	3.3	5.00	4.65
4.65 NO							
L0001039	0	0.95969E-03	490599.5	3610304.3	3.3	5.00	4.65
4.65 NO							
L0001040	0	0.95969E-03	490593.4	3610300.0	3.3	5.00	4.65
4.65 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID	SCALAR	VARY						
(METERS)	CATS.	BY						
L0001041		0	0.95969E-03	490596.4	3610290.5	3.2	5.00	4.65
4.65	NO							
L0001042		0	0.95969E-03	490599.5	3610281.0	3.2	5.00	4.65
4.65	NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP	ID					SOURCE	IDs
-----						-----	
ALL	L0000001	,	L0000002	,	L0000003	,	L0000004
L0000006	,	L0000007	,	L0000008	,		
	L0000009	,	L0000010	,	L0000011	,	L0000012
L0000014	,	L0000015	,	L0000016	,		
	L0000017	,	L0000018	,	L0000019	,	L0000020
L0000022	,	L0000023	,	L0000024	,		
	L0000025	,	L0000026	,	L0000027	,	L0000028
L0000030	,	L0000031	,	L0000032	,		

L0000038 L0000033 , L0000034 , L0000035 , L0000036 , L0000037 ,
 , L0000039 , L0000040 ,

 L0000046 L0000041 , L0000042 , L0000043 , L0000044 , L0000045 ,
 , L0000047 , L0000048 ,

 L0000054 L0000049 , L0000050 , L0000051 , L0000052 , L0000053 ,
 , L0000055 , L0000056 ,

 L0000062 L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
 , L0000063 , L0000064 ,

 L0000070 L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
 , L0000071 , L0000072 ,

 L0000078 L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
 , L0000079 , L0000080 ,

 L0000086 L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,
 , L0000087 , L0000088 ,

 L0000094 L0000089 , L0000090 , L0000091 , L0000092 , L0000093 ,
 , L0000095 , L0000096 ,

 L0000102 L0000097 , L0000098 , L0000099 , L0000100 , L0000101 ,
 , L0000103 , L0000104 ,

 L0000110 L0000105 , L0000106 , L0000107 , L0000108 , L0000109 ,
 , L0000111 , L0000112 ,

 L0000118 L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,
 , L0000119 , L0000120 ,

 L0000126 L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,
 , L0000127 , L0000128 ,

 L0000134 L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,
 , L0000135 , L0000136 ,

 L0000142 L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,
 , L0000143 , L0000144 ,

 L0000150 L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
 , L0000151 , L0000152 ,

 L0000158 L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
 , L0000159 , L0000160 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0000166	L0000161	, L0000162	, L0000163	, L0000164	, L0000165	,
	, L0000167	, L0000168	,			
L0000174	L0000169	, L0000170	, L0000171	, L0000172	, L0000173	,
	, L0000175	, L0000176	,			
L0000182	L0000177	, L0000178	, L0000179	, L0000180	, L0000181	,
	, L0000183	, L0000184	,			
L0000190	L0000185	, L0000186	, L0000187	, L0000188	, L0000189	,
	, L0000191	, L0000192	,			
L0000198	L0000193	, L0000194	, L0000195	, L0000196	, L0000197	,
	, L0000199	, L0000200	,			
L0000206	L0000201	, L0000202	, L0000203	, L0000204	, L0000205	,
	, L0000207	, L0000208	,			
L0000214	L0000209	, L0000210	, L0000211	, L0000212	, L0000213	,
	, L0000215	, L0000216	,			
L0000222	L0000217	, L0000218	, L0000219	, L0000220	, L0000221	,
	, L0000223	, L0000224	,			
L0000230	L0000225	, L0000226	, L0000227	, L0000228	, L0000229	,
	, L0000231	, L0000232	,			
L0000238	L0000233	, L0000234	, L0000235	, L0000236	, L0000237	,
	, L0000239	, L0000240	,			
L0000246	L0000241	, L0000242	, L0000243	, L0000244	, L0000245	,
	, L0000247	, L0000248	,			
L0000254	L0000249	, L0000250	, L0000251	, L0000252	, L0000253	,
	, L0000255	, L0000256	,			
	L0000257	, L0000258	, L0000259	, L0000260	, L0000261	,

L0000262 , L0000263 , L0000264 ,
 L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , L0000277 ,
 L0000286 , L0000287 , L0000288 , L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,
 L0000302 , L0000303 , L0000304 , L0000305 , L0000306 , L0000307 , L0000308 , L0000309 ,
 L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 ,
 L0000318 , L0000319 , L0000320 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000326	L0000321 , L0000322 , L0000323 , L0000324 , L0000325 , L0000327 , L0000328 ,
L0000334	L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000335 , L0000336 ,
L0000342	L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000343 , L0000344 ,
L0000350	L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000351 , L0000352 ,
	L0000353 , L0000354 , L0000355 , L0000356 , L0000357 ,

L0000358 , L0000359 , L0000360 ,
 L0000366 , L0000361 , L0000362 , L0000363 , L0000364 , L0000365 ,
 L0000374 , L0000367 , L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 ,
 L0000382 , L0000375 , L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 ,
 L0000390 , L0000383 , L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
 L0000398 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 , L0000397 ,
 L0000406 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , L0000404 , L0000405 ,
 L0000414 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 , L0000412 , L0000413 ,
 L0000422 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 , L0000420 , L0000421 ,
 L0000430 , L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 , L0000429 ,
 L0000438 , L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 , L0000437 ,
 L0000446 , L0000439 , L0000440 , L0000441 , L0000442 , L0000443 , L0000444 , L0000445 ,
 L0000454 , L0000447 , L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 ,
 L0000462 , L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 ,
 L0000470 , L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 ,
 L0000478 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 ,

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0000486	L0000481	, L0000482	, L0000483	, L0000484	, L0000485	,
	, L0000487	, L0000488	,			
L0000494	L0000489	, L0000490	, L0000491	, L0000492	, L0000493	,
	, L0000495	, L0000496	,			
L0000502	L0000497	, L0000498	, L0000499	, L0000500	, L0000501	,
	, L0000503	, L0000504	,			
L0000510	L0000505	, L0000506	, L0000507	, L0000508	, L0000509	,
	, L0000511	, L0000512	,			
L0000518	L0000513	, L0000514	, L0000515	, L0000516	, L0000517	,
	, L0000519	, L0000520	,			
L0000526	L0000521	, L0000522	, L0000523	, L0000524	, L0000525	,
	, L0000527	, L0000528	,			
L0000534	L0000529	, L0000530	, L0000531	, L0000532	, L0000533	,
	, L0000535	, L0000536	,			
L0000542	L0000537	, L0000538	, L0000539	, L0000540	, L0000541	,
	, L0000543	, L0000544	,			
L0000550	L0000545	, L0000546	, L0000547	, L0000548	, L0000549	,
	, L0000551	, L0000552	,			
L0000558	L0000553	, L0000554	, L0000555	, L0000556	, L0000557	,
	, L0000559	, L0000560	,			
L0000566	L0000561	, L0000562	, L0000563	, L0000564	, L0000565	,
	, L0000567	, L0000568	,			
L0000574	L0000569	, L0000570	, L0000571	, L0000572	, L0000573	,
	, L0000575	, L0000576	,			
L0000582	L0000577	, L0000578	, L0000579	, L0000580	, L0000581	,
	, L0000583	, L0000584	,			

L0000590 L0000585 , L0000586 , L0000587 , L0000588 , L0000589 ,
 , L0000591 , L0000592 ,

 L0000598 L0000593 , L0000594 , L0000595 , L0000596 , L0000597 ,
 , L0000599 , L0000600 ,

 L0000606 L0000601 , L0000602 , L0000603 , L0000604 , L0000605 ,
 , L0000607 , L0000608 ,

 L0000614 L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
 , L0000615 , L0000616 ,

 L0000622 L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
 , L0000623 , L0000624 ,

 L0000630 L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
 , L0000631 , L0000632 ,

 L0000638 L0000633 , L0000634 , L0000635 , L0000636 , L0000637 ,
 , L0000639 , L0000640 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000646	L0000641 , L0000642 , L0000643 , L0000644 , L0000645 , , L0000647 , L0000648 ,
L0000654	L0000649 , L0000650 , L0000651 , L0000652 , L0000653 , , L0000655 , L0000656 ,
L0000662	L0000657 , L0000658 , L0000659 , L0000660 , L0000661 , , L0000663 , L0000664 ,
L0000670	L0000665 , L0000666 , L0000667 , L0000668 , L0000669 , , L0000671 , L0000672 ,
L0000678	L0000673 , L0000674 , L0000675 , L0000676 , L0000677 , , L0000679 , L0000680 ,

L0000686 L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,
 , L0000687 , L0000688 ,

 L0000694 L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,
 , L0000695 , L0000696 ,

 L0000702 L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,
 , L0000703 , L0000704 ,

 L0000710 L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,
 , L0000711 , L0000712 ,

 L0000718 L0000713 , L0000714 , L0000715 , L0000716 , L0000717 ,
 , L0000719 , L0000720 ,

 L0000726 L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,
 , L0000727 , L0000728 ,

 L0000734 L0000729 , L0000730 , L0000731 , L0000732 , L0000733 ,
 , L0000735 , L0000736 ,

 L0000742 L0000737 , L0000738 , L0000739 , L0000740 , L0000741 ,
 , L0000743 , L0000744 ,

 L0000750 L0000745 , L0000746 , L0000747 , L0000748 , L0000749 ,
 , L0000751 , L0000752 ,

 L0000758 L0000753 , L0000754 , L0000755 , L0000756 , L0000757 ,
 , L0000759 , L0000760 ,

 L0000766 L0000761 , L0000762 , L0000763 , L0000764 , L0000765 ,
 , L0000767 , L0000768 ,

 L0000774 L0000769 , L0000770 , L0000771 , L0000772 , L0000773 ,
 , L0000775 , L0000776 ,

 L0000782 L0000777 , L0000778 , L0000779 , L0000780 , L0000781 ,
 , L0000783 , L0000784 ,

 L0000790 L0000785 , L0000786 , L0000787 , L0000788 , L0000789 ,
 , L0000791 , L0000792 ,

 L0000798 L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,
 , L0000799 , L0000800 ,

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0000806	L0000801	, L0000802	, L0000803	, L0000804	, L0000805	,
	, L0000807	, L0000808	,			
L0000814	L0000809	, L0000810	, L0000811	, L0000812	, L0000813	,
	, L0000815	, L0000816	,			
L0000822	L0000817	, L0000818	, L0000819	, L0000820	, L0000821	,
	, L0000823	, L0000824	,			
L0000830	L0000825	, L0000826	, L0000827	, L0000828	, L0000829	,
	, L0000831	, L0000832	,			
L0000838	L0000833	, L0000834	, L0000835	, L0000836	, L0000837	,
	, L0000839	, L0000840	,			
L0000846	L0000841	, L0000842	, L0000843	, L0000844	, L0000845	,
	, L0000847	, L0000848	,			
L0000854	L0000849	, L0000850	, L0000851	, L0000852	, L0000853	,
	, L0000855	, L0000856	,			
L0000862	L0000857	, L0000858	, L0000859	, L0000860	, L0000861	,
	, L0000863	, L0000864	,			
L0000870	L0000865	, L0000866	, L0000867	, L0000868	, L0000869	,
	, L0000871	, L0000872	,			
L0000878	L0000873	, L0000874	, L0000875	, L0000876	, L0000877	,
	, L0000879	, L0000880	,			
L0000886	L0000881	, L0000882	, L0000883	, L0000884	, L0000885	,
	, L0000887	, L0000888	,			
L0000894	L0000889	, L0000890	, L0000891	, L0000892	, L0000893	,
	, L0000895	, L0000896	,			
L0000902	L0000897	, L0000898	, L0000899	, L0000900	, L0000901	,
	, L0000903	, L0000904	,			
L0000910	L0000905	, L0000906	, L0000907	, L0000908	, L0000909	,
	, L0000911	, L0000912	,			

L0000918 L0000913 , L0000914 , L0000915 , L0000916 , L0000917 ,
 , L0000919 , L0000920 ,

 L0000926 L0000921 , L0000922 , L0000923 , L0000924 , L0000925 ,
 , L0000927 , L0000928 ,

 L0000934 L0000929 , L0000930 , L0000931 , L0000932 , L0000933 ,
 , L0000935 , L0000936 ,

 L0000942 L0000937 , L0000938 , L0000939 , L0000940 , L0000941 ,
 , L0000943 , L0000944 ,

 L0000950 L0000945 , L0000946 , L0000947 , L0000948 , L0000949 ,
 , L0000951 , L0000952 ,

 L0000958 L0000953 , L0000954 , L0000955 , L0000956 , L0000957 ,
 , L0000959 , L0000960 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID							SOURCE IDs
-----							-----
L0000966	L0000961	, L0000962	, L0000963	, L0000964	, L0000965	, L0000967	, L0000968
L0000974	L0000969	, L0000970	, L0000971	, L0000972	, L0000973	, L0000975	, L0000976
L0000982	L0000977	, L0000978	, L0000979	, L0000980	, L0000981	, L0000983	, L0000984
L0000990	L0000985	, L0000986	, L0000987	, L0000988	, L0000989	, L0000991	, L0000992
L0000998	L0000993	, L0000994	, L0000995	, L0000996	, L0000997	, L0000999	, L0001000
L0001006	L0001001	, L0001002	, L0001003	, L0001004	, L0001005	, L0001007	, L0001008

L0001014 L0001009 , L0001010 , L0001011 , L0001012 , L0001013 ,
 , L0001015 , L0001016 ,

 L0001022 L0001017 , L0001018 , L0001019 , L0001020 , L0001021 ,
 , L0001023 , L0001024 ,

 L0001030 L0001025 , L0001026 , L0001027 , L0001028 , L0001029 ,
 , L0001031 , L0001032 ,

 L0001038 L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,
 , L0001039 , L0001040 ,

 L0001041 , L0001042 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

*** X-COORDINATES OF GRID ***
(METERS)

490904.7, 490934.7, 490964.7, 490994.7, 491024.7, 491054.7, 491084.7,
 491114.7, 491144.7, 491174.7,
 491204.7, 491234.7, 491264.7, 491294.7, 491324.7, 491354.7, 491384.7,
 491414.7, 491444.7, 491474.7,
 491504.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3610432.7, 3610462.7, 3610492.7, 3610522.7, 3610552.7, 3610582.7, 3610612.7,
 3610642.7, 3610672.7, 3610702.7,
 3610732.7, 3610762.7, 3610792.7, 3610822.7, 3610852.7, 3610882.7, 3610912.7,
 3610942.7, 3610972.7, 3611002.7,
 3611032.7,

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	490904.72	490934.72	490964.72	490994.72	491024.72
491054.72	491084.72	491114.72	491144.72		
3611032.74	11.40	11.10	11.40	12.30	11.90
3611002.74	11.20	10.90	11.30	12.30	11.30
3610972.74	11.00	10.80	11.10	12.10	11.50
3610942.74	10.90	10.70	10.80	11.50	11.40
3610912.74	11.00	10.60	10.60	11.00	10.80
3610882.74	10.80	10.70	10.60	10.50	10.50
3610852.74	10.60	10.50	10.60	10.20	10.40
3610822.74	10.20	10.10	10.00	10.00	10.10
3610792.74	10.20	9.90	10.30	9.90	9.80
3610762.74	9.90	10.10	10.30	9.30	9.70
3610732.74	9.80	10.00	10.20	9.00	9.60
3610702.74	9.70	9.90	10.10	8.90	9.40
3610672.74	9.50	9.80	9.90	8.70	9.20
3610642.74	9.10	9.70	9.90	8.40	9.00
3610612.74	8.90	9.40	9.80	8.10	8.90
3610582.74	8.90	9.20	9.50	8.20	8.60
3610552.74	8.70	9.00	9.20	8.20	8.40
3610522.74	8.40	8.70	8.90	7.70	8.10
3610492.74	5.70	6.40	6.40	7.60	7.80

8.30	8.50	8.50	8.70			
3610462.74	5.60	6.10	7.50	7.30	7.70	
8.10	8.40	8.40	8.50			
3610432.74	5.60	5.40	6.70	6.80	7.60	
7.60	8.10	8.20	8.30			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	491174.72	491204.72	491234.72	491264.72	491294.72
491324.72	491354.72	491384.72	491414.72		

3611032.74	13.30	11.70	12.10	12.20	12.70	13.20
13.30	13.30	13.60	14.00			
3611002.74	12.90	11.50	12.10	12.50	12.50	12.80
12.90	13.00	13.40	13.50			
3610972.74	12.70	11.30	12.00	12.60	12.50	12.50
12.70	12.90	13.20	13.50			
3610942.74	12.60	11.20	11.50	12.70	12.30	12.50
12.60	12.70	13.00	13.20			
3610912.74	12.50	10.90	11.40	12.20	12.20	12.40
12.50	12.90	13.20	13.20			
3610882.74	12.30	11.00	11.30	11.70	12.00	12.10
12.30	12.70	13.30	13.00			
3610852.74	12.00	10.90	11.20	11.50	11.80	11.90
12.00	12.30	12.80	12.80			
3610822.74	11.90	10.80	11.10	11.30	11.70	11.80
11.90	12.50	13.00	13.20			
3610792.74	11.90	10.70	10.90	11.20	11.50	11.70
11.90	12.60	12.90	13.00			
3610762.74	11.80	10.60	10.70	11.10	11.30	11.60
11.80	12.10	12.40	12.30			
3610732.74	11.70	10.40	10.70	11.00	11.20	11.50
11.70	11.80	12.10	11.60			
3610702.74	11.60	10.20	10.50	10.70	11.00	11.40
11.60	11.50	11.80	11.20			
3610672.74	11.40	10.00	10.20	10.70	11.10	11.40
11.40	11.20	11.00	10.90			

3610642.74	10.10	10.10	10.80	11.00	11.20
11.00	10.80	10.30	10.40		
3610612.74	10.20	10.30	10.50	10.60	10.80
10.70	10.30	9.90	9.90		
3610582.74	9.90	10.30	10.10	10.30	10.60
10.70	10.00	9.70	9.60		
3610552.74	9.50	9.90	9.60	10.00	10.30
10.50	10.20	9.80	9.40		
3610522.74	9.20	9.50	9.40	9.40	9.90
10.20	9.10	9.60	9.50		
3610492.74	8.90	9.00	9.20	8.90	9.40
9.80	8.10	9.40	10.00		
3610462.74	8.70	8.70	8.90	8.90	9.10
9.40	9.40	10.00	10.20		
3610432.74	8.40	8.60	8.70	8.90	8.80
9.10	9.40	10.50	10.70		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	491444.72	491474.72	491504.72
3611032.74	14.20	14.50	14.50
3611002.74	14.10	14.30	14.50
3610972.74	13.90	14.10	14.40
3610942.74	13.60	14.00	14.20
3610912.74	13.30	13.80	14.00
3610882.74	13.10	13.40	13.60
3610852.74	12.90	13.10	13.50
3610822.74	13.10	13.00	13.30
3610792.74	12.80	12.90	13.00
3610762.74	12.50	12.50	12.60
3610732.74	12.10	12.30	12.40
3610702.74	11.30	12.10	12.20
3610672.74	11.10	11.90	12.10
3610642.74	11.20	11.80	12.10
3610612.74	10.30	11.70	12.00
3610582.74	9.50	11.10	11.70

3610552.74	9.50	10.90	11.60
3610522.74	9.70	10.90	11.60
3610492.74	10.40	10.90	11.50
3610462.74	10.60	11.20	11.80
3610432.74	11.00	11.50	12.20

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	490904.72	490934.72	490964.72	490994.72	491024.72
491054.72	491084.72	491114.72	491144.72		

3611032.74	12.60	12.60	12.30	12.30	11.90
11.40	11.00	11.10	11.40		
3611002.74	11.70	11.90	12.30	11.90	11.30
11.20	10.90	10.90	11.30		
3610972.74	11.40	11.80	12.10	11.80	11.50
11.00	10.90	10.80	11.10		
3610942.74	11.20	11.40	11.50	11.50	11.40
10.90	10.70	10.70	10.80		
3610912.74	11.10	11.10	11.00	11.00	10.80
10.90	11.00	10.60	10.60		
3610882.74	10.60	10.50	10.50	10.60	10.50
10.80	11.00	10.70	10.60		
3610852.74	10.30	10.30	10.20	10.30	10.40
10.60	10.50	10.50	10.60		
3610822.74	10.20	10.10	10.00	10.00	10.10
10.20	10.10	10.30	10.40		
3610792.74	10.20	9.90	9.90	9.80	9.80
10.00	9.90	10.20	10.30		
3610762.74	9.50	9.20	9.30	9.50	9.70
9.90	9.90	10.10	10.30		
3610732.74	9.00	8.80	9.00	9.40	9.60
9.80	9.90	10.00	10.20		
3610702.74	8.80	8.60	8.90	9.20	9.40
9.70	9.80	9.90	10.10		
3610672.74	8.60	8.40	8.70	8.90	9.20
9.50	9.70	9.80	9.90		

3610642.74		8.50	8.30	8.40	8.50	9.00
9.10	9.40	9.70	9.90			
3610612.74		7.50	7.80	8.10	8.30	8.90
8.90	9.20	9.40	9.80			
3610582.74		6.60	7.80	8.20	8.20	8.60
8.90	8.90	9.20	9.50			
3610552.74		6.50	8.00	8.20	8.10	8.40
8.70	8.80	9.00	9.20			
3610522.74		6.00	7.10	7.70	8.00	8.10
8.40	8.60	8.70	8.90			
3610492.74		5.70	6.40	7.60	7.90	7.80
8.30	8.50	8.50	8.70			
3610462.74		5.60	6.10	7.50	7.30	7.70
8.10	8.40	8.40	8.50			
3610432.74		5.60	5.40	6.70	6.80	7.60
7.60	8.10	8.20	8.30			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	491174.72	491204.72	491234.72	491264.72	491294.72
491324.72	491354.72	491384.72	491414.72		

3611032.74		11.70	12.10	12.20	12.70	13.20
13.30	13.30	13.60	14.00			
3611002.74		11.50	12.10	12.50	12.50	12.80
12.90	13.00	13.40	13.50			
3610972.74		11.30	12.00	12.60	12.50	12.50
12.70	12.90	13.20	13.50			
3610942.74		11.20	11.50	12.70	12.30	12.50
12.60	12.70	13.00	13.20			
3610912.74		10.90	11.40	12.20	12.20	12.40
12.50	12.90	13.20	13.20			
3610882.74		11.00	11.30	11.70	12.00	12.10
12.30	12.70	13.30	13.00			
3610852.74		10.90	11.20	11.50	11.80	11.90
12.00	12.30	12.80	12.80			
3610822.74		10.80	11.10	11.30	11.70	11.80

11.90	12.50	13.00	13.20			
3610792.74	10.70	10.90	11.20	11.50	11.70	
11.90	12.60	12.90	13.00			
3610762.74	10.60	10.70	11.10	11.30	11.60	
11.80	12.10	12.40	12.30			
3610732.74	10.40	10.70	11.00	11.20	11.50	
11.70	11.80	12.10	11.60			
3610702.74	10.20	10.50	10.70	11.00	11.40	
11.60	11.50	11.80	11.20			
3610672.74	10.00	10.20	10.70	11.10	11.40	
11.40	11.20	11.00	10.90			
3610642.74	10.10	10.10	10.80	11.00	11.20	
11.00	10.80	10.30	10.40			
3610612.74	10.20	10.30	10.50	10.60	10.80	
10.70	10.30	9.90	9.90			
3610582.74	9.90	10.30	10.10	10.30	10.60	
10.70	10.00	9.70	9.60			
3610552.74	9.50	9.90	9.60	10.00	10.30	
10.50	10.20	9.80	9.40			
3610522.74	9.20	9.50	9.40	9.40	9.90	
10.20	9.10	9.60	9.50			
3610492.74	8.90	9.00	9.20	8.90	9.40	
9.80	8.10	9.40	10.00			
3610462.74	8.70	8.70	8.90	8.90	9.10	
9.40	9.40	10.00	10.20			
3610432.74	8.40	8.60	8.70	8.90	8.80	
9.10	9.40	10.50	10.70			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	491444.72	491474.72	491504.72
3611032.74	14.20	14.50	14.50
3611002.74	14.10	14.30	14.50
3610972.74	13.90	14.10	14.40
3610942.74	13.60	14.00	14.20
3610912.74	13.30	13.80	14.00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	491130.33	491160.33	491190.33	491220.33	491250.33	
491280.33	491310.33	491340.33	491370.33			
3610157.69	8.10	6.30	6.60	6.90	7.50	7.60
3610127.69	7.80	8.40	8.20	8.60	7.00	7.80
3610097.69	7.70	8.40	8.30	8.30	7.40	7.90
3610067.69	7.80	8.30	8.50	8.40	7.30	7.90
3610037.69	7.50	8.30	6.10	6.60	7.10	7.30
3610007.69	7.50	8.40	7.20	6.70	7.30	7.30
3609977.69	7.50	7.80	6.50	5.90	7.60	7.30
3609947.69	7.60	7.80	6.80	6.60	7.70	7.70
3609917.69	7.90	8.10	6.70	7.00	7.50	7.70
3609887.69	7.90	7.90	7.10	5.80	5.30	7.80
3609857.69	7.30	7.70	7.60	6.90	7.30	7.40
3609827.69	7.50	7.90	8.20	7.70	5.70	5.60
3609797.69	7.20	7.80	8.50	8.10	6.90	6.80
3609767.69	7.00	7.50	8.80	8.90	7.90	7.00
3609737.69	6.80	7.10	8.90	9.50	8.30	6.60
3609707.69	6.60	7.00	7.30	9.90	8.70	7.00
3609677.69	6.60	6.70	5.20	10.20	10.20	8.30
3609647.69		4.20	7.10	10.40	10.80	8.60

6.40	6.40	7.00	7.20			
3609617.69	4.90	9.30	11.20	10.60	7.90	
6.50	6.20	7.00	7.10			
3609587.69	4.80	7.70	11.60	11.60	7.90	
6.50	6.40	6.50	6.90			
3609557.69	4.30	5.40	11.60	12.10	9.90	
7.00	6.40	6.30	6.90			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	491400.33	491430.33	491460.33	491490.33	491520.33
491550.33	491580.33	491610.33	491640.33		

3610157.69	9.10	9.20	9.70	11.00	10.80
11.50	12.10	12.60	13.00		
3610127.69	9.00	9.30	9.60	11.00	10.60
11.40	11.90	12.40	13.00		
3610097.69	9.10	9.40	9.60	10.70	11.00
11.10	11.90	12.30	12.80		
3610067.69	9.00	9.40	9.50	10.10	11.10
11.20	11.70	12.10	12.90		
3610037.69	8.90	9.40	9.60	10.00	11.10
11.20	11.40	11.80	12.80		
3610007.69	9.00	9.40	9.90	10.10	10.50
11.30	11.50	11.70	12.30		
3609977.69	8.90	9.30	10.00	10.10	10.50
11.20	11.30	11.60	11.70		
3609947.69	9.00	9.40	9.90	10.20	10.60
10.80	11.00	11.20	11.40		
3609917.69	9.30	9.50	9.70	10.00	10.20
10.70	10.80	11.00	11.20		
3609887.69	8.70	9.20	9.70	10.10	10.10
10.40	10.60	10.80	10.90		
3609857.69	8.90	9.10	9.50	9.80	9.90
10.10	10.20	10.60	10.80		
3609827.69	8.90	9.00	9.30	9.50	9.60
9.70	9.80	10.20	10.70		

3609797.69	|	8.70	8.70	9.00	9.20	9.40
9.40		9.70	10.30	10.70		
3609767.69	|	8.30	8.40	8.80	9.00	9.10
9.10		9.60	10.00	10.60		
3609737.69	|	8.00	8.30	8.60	8.80	8.80
9.10		9.30	9.80	10.40		
3609707.69	|	7.80	8.10	8.20	8.40	8.50
9.00		9.40	10.00	10.40		
3609677.69	|	7.60	8.00	8.00	8.20	8.30
8.90		9.40	9.90	10.40		
3609647.69	|	7.30	7.60	7.80	8.00	8.30
9.00		9.40	9.80	10.40		
3609617.69	|	7.20	7.30	7.60	7.80	8.40
8.90		9.40	9.80	10.30		
3609587.69		7.00	7.20	7.50	7.90	8.50
8.90		9.40	9.70	10.10		
3609557.69		7.00	7.30	7.60	8.00	8.30
8.80		9.30	9.60	10.00		

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*** MODELOPTs: RegDFault CONC ELEV Rural SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)		X-COORD (METERS)		
		491670.33	491700.33	491730.33
3610157.69	|	13.20	13.50	14.30
3610127.69	|	13.20	13.20	13.70
3610097.69	|	13.20	13.30	13.40
3610067.69	|	13.50	13.10	13.20
3610037.69	|	13.30	12.90	13.00
3610007.69	|	12.80	12.70	12.80
3609977.69	|	11.80	12.10	12.50
3609947.69	|	11.70	12.40	12.60
3609917.69	|	11.30	11.60	12.60
3609887.69	|	11.20	11.40	12.00
3609857.69	|	11.20	11.40	11.80
3609827.69	|	11.10	11.40	11.80
3609797.69	|	11.00	11.30	11.60
3609767.69	|	10.90	11.20	11.80

3609737.69	10.90	11.20	11.70
3609707.69	11.00	11.20	11.50
3609677.69	11.10	11.30	11.40
3609647.69	10.80	11.40	11.40
3609617.69	10.70	11.10	11.20
3609587.69	10.50	10.80	10.90
3609557.69	10.30	10.60	10.90

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	491130.33	491160.33	491190.33	491220.33	491250.33
491280.33	491310.33	491340.33	491370.33		

3610157.69	6.30	6.60	6.90	7.50	7.60
8.10	8.40	8.20	8.60		
3610127.69	6.20	6.60	7.00	7.50	7.80
7.80	8.40	8.30	8.30		
3610097.69	6.30	6.70	7.00	7.40	7.90
7.70	8.30	8.50	8.40		
3610067.69	6.10	6.60	7.00	7.30	7.90
7.80	8.30	8.50	8.70		
3610037.69	7.40	6.70	7.10	7.40	7.30
7.50	8.40	8.50	8.80		
3610007.69	7.20	6.70	7.30	7.40	7.30
7.50	8.30	8.60	8.80		
3609977.69	6.50	5.90	7.60	7.50	7.30
7.50	7.80	8.70	8.90		
3609947.69	6.80	6.60	7.70	7.70	7.70
7.60	7.80	8.90	9.00		
3609917.69	6.70	7.00	7.50	7.80	7.70
7.90	8.10	8.50	9.20		
3609887.69	7.10	6.50	7.70	7.80	7.80
7.90	7.90	8.10	8.50		
3609857.69	7.60	6.90	7.30	7.40	7.40
7.30	7.70	8.00	8.50		
3609827.69	8.20	7.70	7.10	7.00	7.20
7.50	7.90	7.90	8.40		

3609797.69	|	8.50	8.10	6.90	6.80	6.90
7.20		7.80	7.70	8.30		
3609767.69	|	8.80	8.90	7.90	7.00	6.80
7.00		7.50	7.70	7.90		
3609737.69	|	8.90	9.50	8.30	6.60	6.70
6.80		7.10	7.60	7.60		
3609707.69	|	9.90	9.90	10.00	7.00	6.90
6.60		7.00	7.40	7.40		
3609677.69	|	10.60	10.20	10.20	10.30	6.80
6.60		6.70	7.10	7.20		
3609647.69	|	11.20	10.40	10.80	10.90	10.90
6.40		6.40	7.00	7.20		
3609617.69	|	11.50	9.30	11.20	10.60	10.90
6.50		6.20	7.00	7.10		
3609587.69		11.50	11.50	11.60	11.60	12.30
11.60		6.40	6.50	6.90		
3609557.69		12.30	12.40	11.60	12.10	12.30
12.30		6.40	6.30	6.90		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		491400.33	491430.33	491460.33	491490.33	491520.33
491550.33		491580.33	491610.33	491640.33		

3610157.69	|	9.10	9.20	9.70	11.00	10.80
11.50		12.10	12.60	13.00		
3610127.69	|	9.00	9.30	9.60	11.00	10.60
11.40		11.90	12.40	13.00		
3610097.69	|	9.10	9.40	9.60	10.70	11.00
11.10		11.90	12.30	12.80		
3610067.69	|	9.00	9.40	9.50	10.10	11.10
11.20		11.70	12.10	12.90		
3610037.69	|	8.90	9.40	9.60	10.00	11.10
11.20		11.40	11.80	12.80		
3610007.69	|	9.00	9.40	9.90	10.10	10.50
11.30		11.50	11.70	12.30		
3609977.69	|	8.90	9.30	10.00	10.10	10.50

11.20	11.30	11.60	11.70			
3609947.69 |	9.00	9.40	9.90	10.20	10.60	
10.80	11.00	11.20	11.40			
3609917.69 |	9.30	9.50	9.70	10.00	10.20	
10.70	10.80	11.00	11.20			
3609887.69 |	8.70	9.20	9.70	10.10	10.10	
10.40	10.60	10.80	10.90			
3609857.69 |	8.90	9.10	9.50	9.80	9.90	
10.10	10.20	10.60	10.80			
3609827.69 |	8.90	9.00	9.30	9.50	9.60	
9.70	9.80	10.20	10.70			
3609797.69 |	8.70	8.70	9.00	9.20	9.40	
9.40	9.70	10.30	10.70			
3609767.69 |	8.30	8.40	8.80	9.00	9.10	
9.10	9.60	10.00	10.60			
3609737.69 |	8.00	8.30	8.60	8.80	8.80	
9.10	9.30	9.80	10.40			
3609707.69 |	7.80	8.10	8.20	8.40	8.50	
9.00	9.40	10.00	10.40			
3609677.69 |	7.60	8.00	8.00	8.20	8.30	
8.90	9.40	9.90	10.40			
3609647.69 |	7.30	7.60	7.80	8.00	8.30	
9.00	9.40	9.80	10.40			
3609617.69 |	7.20	7.30	7.60	7.80	8.40	
8.90	9.40	9.80	10.30			
3609587.69	7.00	7.20	7.50	7.90	8.50	
8.90	9.40	9.70	10.10			
3609557.69	7.00	7.30	7.60	8.00	8.30	
8.80	9.30	9.60	10.00			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	491670.33	491700.33	491730.33

3610157.69 |	13.20	13.50	14.30
3610127.69 |	13.20	13.20	13.70
3610097.69 |	13.20	13.30	13.40

3610067.69	13.50	13.10	13.20
3610037.69	13.30	12.90	13.00
3610007.69	12.80	12.70	12.80
3609977.69	11.80	12.10	12.50
3609947.69	11.70	12.40	12.60
3609917.69	11.30	11.60	12.60
3609887.69	11.20	11.40	12.00
3609857.69	11.20	11.40	11.80
3609827.69	11.10	11.40	11.80
3609797.69	11.00	11.30	11.60
3609767.69	10.90	11.20	11.80
3609737.69	10.90	11.20	11.70
3609707.69	11.00	11.20	11.50
3609677.69	11.10	11.30	11.40
3609647.69	10.80	11.40	11.40
3609617.69	10.70	11.10	11.20
3609587.69	10.50	10.80	10.90
3609557.69	10.30	10.60	10.90

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(491047.8, 3610338.7,	7.6,	7.6,	0.0);	(491036.0,
3610364.7, 7.4,	7.4,	0.0);		
(491034.4, 3610389.9,	7.5,	7.5,	0.0);	(491028.1,
3610411.9, 7.5,	7.5,	0.0);		
(491014.7, 3610434.7,	7.3,	7.3,	0.0);	(491012.4,
3610455.2, 7.3,	7.3,	0.0);		
(491004.5, 3610474.9,	7.8,	7.8,	0.0);	(490991.1,
3610503.2, 7.9,	7.9,	0.0);		
(490987.2, 3610525.3,	7.9,	7.9,	0.0);	(490977.7,
3610548.1, 8.0,	8.0,	0.0);		
(490949.4, 3610618.1,	7.7,	7.7,	0.0);	(490945.5,
3610627.6, 8.0,	8.0,	0.0);		
(490941.5, 3610635.5,	8.1,	8.1,	0.0);	(490938.4,
3610643.3, 8.2,	8.2,	0.0);		
(490936.8, 3610653.6,	8.3,	8.3,	0.0);	(490931.3,
3610660.6, 8.4,	8.4,	0.0);		
(490928.1, 3610671.7,	8.5,	8.5,	0.0);	(490924.2,
3610687.4, 8.5,	8.5,	0.0);		
(490921.8, 3610696.9,	8.5,	8.5,	0.0);	(490917.9,
3610711.0, 8.6,	8.6,	0.0);		

(490914.8, 3610721.3,	8.7,	8.7,	0.0);	(490912.4,
3610730.7, 8.8, 8.8,	0.0);			
(491123.4, 3610365.5,	7.8,	7.8,	0.0);	(491110.8,
3610392.2, 8.0, 8.0,	0.0);			
(491113.9, 3610414.3,	8.2,	8.2,	0.0);	(491077.7,
3610404.0, 7.9, 7.9,	0.0);			
(491073.0, 3610434.7,	7.9,	7.9,	0.0);	(491095.0,
3610438.7, 8.3, 8.3,	0.0);			
(491062.0, 3610452.8,	8.0,	8.0,	0.0);	(491095.0,
3610461.5, 8.4, 8.4,	0.0);			
(491141.5, 3610452.8,	8.4,	8.4,	0.0);	(491217.8,
3610342.6, 8.0, 8.0,	0.0);			
(491232.0, 3610354.4,	8.4,	8.4,	0.0);	(491212.3,
3610402.5, 8.5, 8.5,	0.0);			
(491269.0, 3610344.2,	8.4,	8.4,	0.0);	(491253.2,
3610367.8, 8.4, 8.4,	0.0);			
(491272.9, 3610367.0,	8.4,	8.4,	0.0);	(491267.4,
3610377.3, 8.5, 8.5,	0.0);			
(491261.1, 3610396.2,	8.6,	8.6,	0.0);	(491257.2,
3610411.1, 8.8, 8.8,	0.0);			
(491250.9, 3610427.6,	8.8,	8.8,	0.0);	(491249.3,
3610437.9, 8.8, 8.8,	0.0);			
(491235.1, 3610424.5,	8.6,	8.6,	0.0);	(491309.9,
3610455.2, 9.1, 9.1,	0.0);			
(491297.3, 3610442.6,	9.0,	9.0,	0.0);	(491291.8,
3610456.8, 9.1, 9.1,	0.0);			
(491302.0, 3610425.3,	8.8,	8.8,	0.0);	(491306.0,
3610409.5, 8.8, 8.8,	0.0);			
(491309.9, 3610391.4,	8.8,	8.8,	0.0);	(491313.8,
3610382.0, 8.8, 8.8,	0.0);			
(491322.5, 3610360.7,	8.5,	8.5,	0.0);	(491357.9,
3610393.0, 9.7, 9.7,	0.0);			
(491333.5, 3610394.6,	9.0,	9.0,	0.0);	(491317.0,
3610423.7, 9.0, 9.0,	0.0);			
(491339.8, 3610449.7,	9.4,	9.4,	0.0);	(491789.8,
3610834.5, 15.8, 15.8,	0.0);			
(491736.1, 3610685.4,	14.6,	14.6,	0.0);	(491764.8,
3610697.4, 15.0, 15.0,	0.0);			
(491745.4, 3610769.7,	14.8,	14.8,	0.0);	(491787.1,
3610804.9, 15.5, 15.5,	0.0);			
(491826.9, 3610793.8,	15.3,	15.3,	0.0);	(491932.5,
3610778.9, 17.4, 17.4,	0.0);			
(491972.3, 3610736.3,	17.7,	17.7,	0.0);	(492014.0,
3610879.9, 17.9, 17.9,	0.0);			
(492072.3, 3610792.8,	18.1,	18.1,	0.0);	(492041.8,
3610753.0, 17.8, 17.8,	0.0);			
(491988.0, 3610818.8,	17.3,	17.3,	0.0);	(491958.4,
3610814.1, 17.4, 17.4,	0.0);			
(491908.4, 3610878.0,	17.3,	17.3,	0.0);	(491946.4,
3610878.0, 17.3, 17.3,	0.0);			

10	01	01	1	16	20.7	0.173	0.678	0.008	543.	174.	-22.7	0.03	0.98
0.33	2.23	296.	10.0	291.4	10.0								
10	01	01	1	17	-1.5	0.046	-9.000	-9.000	-999.	46.	5.7	0.03	0.98
0.60	1.34	337.	10.0	291.4	10.0								
10	01	01	1	18	-1.6	0.046	-9.000	-9.000	-999.	23.	5.4	0.03	0.98
1.00	1.34	337.	10.0	290.3	10.0								
10	01	01	1	19	-0.2	0.015	-9.000	-9.000	-999.	5.	1.8	0.03	0.98
1.00	0.44	252.	10.0	288.6	10.0								
10	01	01	1	20	-0.2	0.015	-9.000	-9.000	-999.	4.	1.8	0.03	0.98
1.00	0.44	113.	10.0	287.5	10.0								
10	01	01	1	21	-0.8	0.030	-9.000	-9.000	-999.	13.	3.3	0.03	0.98
1.00	0.89	122.	10.0	286.9	10.0								
10	01	01	1	22	-2.1	0.046	-9.000	-9.000	-999.	23.	4.0	0.03	0.98
1.00	1.34	99.	10.0	286.4	10.0								
10	01	01	1	23	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00	0.89	331.	10.0	285.3	10.0								
10	01	01	1	24	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00	0.89	40.	10.0	285.3	10.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	10.0	1	48.	0.89	283.2	30.0	-99.00	0.41

F indicates top of profile (=1) or below (=0)

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Constru *** 09/28/23
 *** AERMET - VERSION 22112 *** ***
 *** 11:43:41

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)					X-COORD (METERS)	
	490904.72	490934.72	490964.72	490994.72	491024.72	
491054.72	491084.72	491114.72	491144.72			

3611032.74	6.72786	6.64845	6.73891	6.66899	6.81601
7.00624	7.13475	7.02350	6.82069		
3611002.74	7.54511	7.33350	7.02006	7.17137	7.42237
7.40396	7.48063	7.40457	7.13903		
3610972.74	8.06011	7.71431	7.44660	7.54510	7.64028
7.83186	7.80053	7.76214	7.52631		
3610942.74	8.55848	8.31934	8.15914	8.07180	8.04705
8.23796	8.24693	8.14400	7.98849		
3610912.74	9.03859	8.91623	8.86924	8.76632	8.78209
8.61868	8.45412	8.55327	8.43180		
3610882.74	9.84440	9.77076	9.64102	9.45490	9.39157
9.08819	8.84660	8.88609	8.80559		
3610852.74	10.58732	10.43051	10.34888	10.13763	9.92798
9.65819	9.56854	9.41754	9.21347		
3610822.74	11.26138	11.15834	11.05519	10.88091	10.64094
10.40307	10.28698	9.99833	9.77576		
3610792.74	11.93439	11.96308	11.76153	11.62674	11.42006
11.08885	10.95084	10.57986	10.33890		
3610762.74	13.33239	13.58465	13.12429	12.57841	12.14591
11.78441	11.56391	11.22809	10.90464		
3610732.74	15.15301	15.25079	14.47194	13.52486	12.97622
12.56612	12.25325	11.95101	11.59544		
3610702.74	16.72111	17.71205	15.69566	14.74303	14.09682
13.44750	13.09538	12.75374	12.35695		
3610672.74	19.57904	20.00894	17.43551	16.36780	15.38381
14.55826	14.03312	13.64052	13.25894		
3610642.74	21.79535	21.91193	20.73685	19.61053	16.82473
16.16910	15.32327	14.61418	14.10196		
3610612.74	28.51011	26.56056	23.82555	21.78383	18.32448
17.73448	16.67108	15.90538	15.07803		
3610582.74	31.25974	28.55721	24.94271	23.82855	21.18323
19.00940	18.33468	17.22165	16.27754		
3610552.74	33.87107	29.73977	26.87701	26.14070	23.56591
20.93212	19.72979	18.59924	17.63073		
3610522.74	36.93647	34.12271	31.51518	28.54450	26.44886
23.91240	22.04648	20.38678	19.06568		
3610492.74	40.12351	37.06606	33.85117	30.86525	29.40412
25.62856	23.70283	22.50760	20.47405		
3610462.74	43.35189	39.85571	36.19193	33.87957	31.25399
27.85413	25.20055	23.82474	22.32522		
3610432.74	46.56680	42.77875	38.90924	36.00708	32.94417
30.76750	27.35749	25.35138	23.63875		

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*** 11:43:41

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	491174.72	491204.72	491234.72	491264.72	491294.72
491324.72	491354.72	491384.72	491414.72		

3611032.74	6.61809	6.37047	6.25937	5.96963	5.68191
5.57557	5.51255	5.32168	5.09387		
3611002.74	6.96801	6.61104	6.34961	6.27743	6.06700
5.94982	5.83388	5.58998	5.48227		
3610972.74	7.33994	6.91576	6.54062	6.51034	6.42951
6.25676	6.08815	5.87988	5.67864		
3610942.74	7.68772	7.44006	6.74496	6.85989	6.67436
6.54096	6.41135	6.19461	6.03083		
3610912.74	8.16172	7.79774	7.28465	7.18734	6.99181
6.85108	6.56984	6.34539	6.27118		
3610882.74	8.46600	8.18642	7.86237	7.59731	7.44158
7.24080	6.94708	6.56079	6.62985		
3610852.74	8.90832	8.61244	8.32497	8.04531	7.87808
7.71609	7.45884	7.10709	7.01581		
3610822.74	9.39583	9.08202	8.83185	8.48035	8.30004
8.12511	7.69234	7.31928	7.11530		
3610792.74	9.93541	9.65701	9.33037	9.01253	8.75912
8.51331	7.99758	7.71313	7.54660		
3610762.74	10.53195	10.28695	9.87552	9.59012	9.25622
8.98830	8.67146	8.36225	8.28115		
3610732.74	11.25012	10.85392	10.46902	10.15517	9.79167

9.49678	9.26750	8.93021	9.03985		
3610702.74	|	12.03483	11.59805	11.23606	10.82484 10.36408
10.03648		9.89490	9.52517	9.65937	
3610672.74	|	12.88809	12.46555	11.86751	11.34734 10.90521
10.66526		10.54800	10.42376	10.24168	
3610642.74	|	13.60709	13.26141	12.46742	12.02601 11.59964
11.44091		11.27623	11.26448	10.93219	
3610612.74	|	14.36505	13.89088	13.36618	12.92921 12.44391
12.16697		12.06610	11.94299	11.61398	
3610582.74	|	15.44351	14.66964	14.35259	13.77738 13.16252
12.70417		12.73649	12.50929	12.18563	
3610552.74	|	16.63842	15.74654	15.41166	14.62208 13.93911
13.35363		13.10361	12.89943	12.71294	
3610522.74	|	17.86681	16.83562	16.30002	15.69109 14.75565
14.03905		14.27294	13.41258	13.00739	
3610492.74	|	19.13718	18.15071	17.17427	16.81053 15.63832
14.74052		16.30270	13.91155	13.04229	
3610462.74	|	20.34274	19.38133	18.14855	17.34792 16.36728
15.42954		14.80323	13.82861	13.18028	
3610432.74		22.15330	20.49791	19.02477	17.80786 17.09929
16.02008		15.08627	13.74081	13.06403	

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 *** 11:43:41

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)
(METERS)	|	491444.72	491474.72	491504.72	

3611032.74	4.95598	4.78282	4.73554
3611002.74	5.16714	5.03011	4.89876
3610972.74	5.44102	5.29838	5.11902
3610942.74	5.78351	5.54438	5.40105
3610912.74	6.15318	5.85624	5.70397
3610882.74	6.50283	6.28560	6.12088
3610852.74	6.87736	6.69421	6.42006
3610822.74	7.07286	7.02823	6.78569
3610792.74	7.54337	7.38048	7.22081
3610762.74	8.03900	7.90752	7.72646
3610732.74	8.61129	8.34957	8.14635
3610702.74	9.41097	8.80521	8.57666
3610672.74	9.90902	9.26832	8.95717
3610642.74	10.25052	9.67525	9.27678
3610612.74	11.10516	10.07209	9.63904
3610582.74	11.87470	10.73465	10.09834
3610552.74	12.23700	11.14779	10.41855
3610522.74	12.45192	11.41635	10.64766
3610492.74	12.35535	11.64281	10.89859
3610462.74	12.45404	11.64305	10.86182
3610432.74	12.36728	11.58317	10.70335

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 Dudek\Desktop\HARP2\HARP\Rohr Wohl Constru *** 09/28/23
 *** AERMET - VERSION 22112 ***
 *** 11:43:41

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491280.33	491130.33	491160.33	491190.33	491220.33 491250.33
491310.33	491340.33	491370.33		

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3610157.69 |      28.98159      27.01431      25.24783      23.50282      22.08831
19.80510    |      18.05189      17.56008      15.92201
3610127.69 |      28.43928      26.53373      24.80665      23.16676      21.50713
20.37493    |      17.82730      17.14465      16.34158
3610097.69 |      27.72493      25.92629      24.32655      22.82433      20.90379
20.25608    |      17.74938      16.54033      15.97663
3610067.69 |      27.02803      25.31828      23.77870      22.40079      20.49614
19.73018    |      17.43804      16.26833      14.89866
3610037.69 |      26.52173      24.57859      23.13647      21.83825      20.79998
19.71056    |      16.88863      15.95499      14.41811
3610007.69 |      24.93765      23.83313      22.41232      21.27678      20.30758
19.27930    |      16.68852      15.33342      14.09464
3609977.69 |      24.33834      23.29821      21.52006      20.62272      19.78341
18.81647    |      17.64650      14.46979      13.62728
3609947.69 |      23.37250      22.32441      20.70680      19.78574      18.92927
18.23774    |      17.20868      13.69964      13.10055
3609917.69 |      22.57654      21.43634      20.27215      18.95730      18.37307
17.19067    |      15.92310      14.36226      12.48768
3609887.69 |      21.64726      21.04303      20.21822      18.35189      17.61721
16.67964    |      16.05303      14.89610      13.45492
3609857.69 |      20.60030      20.06390      19.08915      18.27404      17.55175
16.91159    |      16.00803      14.77989      13.03661
3609827.69 |      17.66876      18.93575      18.89751      18.15845      17.09886
16.34482    |      15.13188      14.61032      12.82844
3609797.69 |      16.04461      16.85935      18.05246      17.37457      16.68883
15.99504    |      14.94205      14.60549      12.61285
3609767.69 |      14.09109      13.43647      16.52011      16.82191      16.24627
15.60893    |      14.90792      14.21779      13.35963
3609737.69 |      13.48226      12.24501      14.44426      16.44616      15.82575
15.24026    |      14.64293      13.94839      13.49207
3609707.69 |      17.63463      11.56748      12.56325      15.89565      15.35712
14.88704    |      14.29494      13.72489      13.27998
3609677.69 |      17.55949      11.02495      10.66419      13.10935      14.97635
14.50870    |      14.00409      13.46376      13.01136
3609647.69 |      17.11517      10.58645      9.96800      11.97850      14.64303
14.18340    |      13.71976      13.16738      12.71145
3609617.69 |      16.53814      11.12114      9.44175      9.55045      13.31859
13.81601    |      13.42536      12.86350      12.44556
3609587.69 |      16.04831      14.78938      8.94157      8.67526      12.95762
13.45050    |      13.07824      12.66042      12.20836
3609557.69 |      15.60373      15.03082      8.73397      8.15313      9.18412
13.02090    |      12.77382      12.40683      11.94320

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*** AERMET - VERSION 22112 ***      ***

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***      11:43:41

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S):

L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491400.33	491430.33	491460.33	491490.33	491520.33
491550.33	491580.33	491610.33	491640.33		

3610157.69	14.32094	13.62519	12.68230	11.41138	11.09317
10.26954	9.54357	8.91545	8.38213		
3610127.69	14.26758	13.39448	12.62400	11.31018	11.11990
10.25264	9.59759	8.97772	8.33223		
3610097.69	13.98357	13.16078	12.48652	11.38037	10.78483
10.34162	9.52351	8.97300	8.39493		
3610067.69	13.87415	12.97570	12.39388	11.59223	10.60834
10.18246	9.55426	9.01454	8.27359		
3610037.69	13.75059	12.75801	12.13522	11.48325	10.47018
10.06195	9.62073	9.09383	8.25571		
3610007.69	13.34006	12.50533	11.74319	11.23573	10.64720
9.86151	9.43977	9.03986	8.44421		
3609977.69	13.14617	12.29573	11.43561	11.01334	10.45235
9.75004	9.40163	8.96380	8.65072		
3609947.69	12.66861	11.90370	11.21095	10.70973	10.17729
9.77340	9.38765	9.01914	8.66697		
3609917.69	12.00198	11.47642	11.01420	10.54248	10.14212
9.60669	9.29306	8.94317	8.60770		
3609887.69	12.33893	11.38570	10.69306	10.19896	9.92701
9.51867	9.17456	8.84381	8.57196		
3609857.69	11.64132	11.09860	10.48320	10.04714	9.74484
9.40718	9.12815	8.72437	8.42383		
3609827.69	11.24784	10.83237	10.29740	9.89856	9.60039
9.32165	9.05758	8.67585	8.26178		

3609797.69	11.17109	10.87893	10.21527	9.81219	9.43735
9.22126	8.84479	8.39822	8.04633		
3609767.69	11.87379	11.37154	10.08709	9.65428	9.35000
9.14172	8.63180	8.28434	7.86766		
3609737.69	12.36210	11.20598	10.33816	9.54150	9.32531
8.86520	8.54684	8.12237	7.72542		
3609707.69	12.49842	11.39720	10.80931	10.17454	9.76362
8.67584	8.23590	7.80334	7.50028		
3609677.69	12.44821	11.39329	11.07213	10.24801	9.79970
8.51414	7.99157	7.61018	7.27931		
3609647.69	12.29872	11.79980	11.22781	10.51172	9.54626
8.18243	7.76176	7.42667	7.06656		
3609617.69	12.04754	11.66932	11.20796	10.67399	9.16670
8.05479	7.54939	7.21925	6.90352		
3609587.69	11.82536	11.44179	11.03940	10.25674	8.79700
7.85523	7.35584	7.06510	6.78997		
3609557.69	11.57574	11.18777	10.75298	9.82996	8.89068
7.74642	7.23201	6.93086	6.65347		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491670.33	491700.33	491730.33

3610157.69	7.99608	7.57774	6.91254
3610127.69	7.95204	7.70484	7.20416

3610097.69	7.90473	7.60820	7.32815
3610067.69	7.67905	7.66942	7.39161
3610037.69	7.72831	7.71868	7.44446
3610007.69	7.92692	7.75262	7.48351
3609977.69	8.35227	7.96973	7.55560
3609947.69	8.28149	7.71503	7.41362
3609917.69	8.33286	7.97739	7.30562
3609887.69	8.21986	7.92555	7.46316
3609857.69	8.04493	7.76700	7.41118
3609827.69	7.90157	7.59564	7.25603
3609797.69	7.74718	7.45720	7.17600
3609767.69	7.58475	7.31010	6.91786
3609737.69	7.37581	7.11601	6.78148
3609707.69	7.12496	6.91957	6.68037
3609677.69	6.87710	6.68358	6.53517
3609647.69	6.79367	6.45188	6.35144
3609617.69	6.63719	6.38120	6.24614
3609587.69	6.52775	6.31325	6.17966
3609557.69	6.42872	6.21601	6.01392

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 11:43:41

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491047.79	3610338.70	34.71092	491035.98
3610364.67	35.17735		

491034.41	3610389.86	34.20880	491028.11
3610411.90	33.75326		
491014.73	3610434.73	33.90512	491012.37
3610455.20	32.94814		
491004.50	3610474.88	31.62229	490991.12
3610503.22	30.52397		
490987.18	3610525.26	29.18067	490977.73
3610548.08	27.57994		
490949.40	3610618.14	25.85794	490945.46
3610627.59	24.41430		
490941.52	3610635.46	23.09159	490938.38
3610643.33	22.16151		
490936.80	3610653.56	21.51704	490931.29
3610660.65	20.72950		
490928.14	3610671.67	19.90287	490924.21
3610687.41	19.11721		
490921.84	3610696.86	18.71909	490917.91
3610711.03	17.90217		
490914.76	3610721.26	16.58757	490912.40
3610730.71	15.57635		
491123.36	3610365.46	27.91493	491110.76
3610392.23	27.37179		
491113.91	3610414.27	25.96745	491077.70
3610404.03	29.68917		
491072.98	3610434.73	28.65189	491095.02
3610438.67	25.88624		
491061.96	3610452.84	28.29105	491095.02
3610461.50	24.75915		
491141.46	3610452.84	23.02840	491217.82
3610342.63	22.88976		
491231.99	3610354.44	21.16647	491212.31
3610402.46	21.12664		
491268.98	3610344.21	19.77209	491253.24
3610367.82	20.20884		
491272.92	3610367.04	19.44249	491267.41
3610377.27	19.43234		
491261.11	3610396.16	18.97447	491257.18
3610411.12	18.42772		
491250.88	3610427.65	18.38525	491249.31
3610437.88	18.24792		
491235.14	3610424.50	19.51468	491309.92
3610455.20	16.14130		
491297.32	3610442.60	16.71587	491291.81
3610456.77	16.55611		
491302.05	3610425.29	16.96582	491305.98
3610409.54	17.07575		
491309.92	3610391.44	17.10961	491313.85
3610381.99	17.05247		
491322.51	3610360.74	17.63266	491357.93
3610393.01	15.07374		

491333.53	3610394.59	16.20982	491317.00
3610423.71	16.43355		
491339.83	3610449.69	15.22700	491789.84
3610834.51	4.84258		
491736.12	3610685.40	6.30468	491764.84
3610697.44	5.95606		
491745.39	3610769.68	5.71361	491787.06
3610804.87	5.10351		
491826.89	3610793.76	5.17184	491932.47
3610778.94	4.05674		
491972.30	3610736.34	3.98748	492013.97
3610879.89	3.45505		
492072.32	3610792.83	3.52861	492041.76
3610753.01	3.76689		
491988.04	3610818.76	3.88564	491958.40
3610814.13	3.92159		
491908.39	3610878.04	3.84149	491946.36
3610878.04	3.76611		
491976.93	3610888.23	3.56436	491744.61
3610664.79	6.36227		

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 *** 11:43:41

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490904.72	490934.72	490964.72
490994.72	491024.72		

3611032.7 |	353.98320 (12060622)	356.27262 (12062424)	351.03656 (12062424)
355.35734 (12060824)	355.96132 (12060824)		
3611002.7 |	391.54879 (12060622)	380.23949 (12062424)	356.31632 (12060824)
368.52043 (12060824)	360.26695 (12060824)		
3610972.7 |	405.34299 (12062424)	377.22490 (12062424)	370.25208 (12060824)
364.92039 (12060824)	364.60238 (12090522)		
3610942.7 |	413.38628 (12062424)	393.76206 (12060824)	388.41804 (12060824)
359.33922 (12060824)	384.46335 (12090522)		
3610912.7 |	410.38353 (12062424)	410.38066 (12060824)	393.59824 (12060824)
396.09163 (12090522)	408.34153 (12090522)		
3610882.7 |	428.30221 (12060824)	425.17138 (12060824)	406.22494 (12090522)
419.76446 (12090522)	414.44906 (10092320)		
3610852.7 |	443.68091 (12060824)	417.99152 (12060824)	433.48829 (12090522)
427.26011 (12090522)	425.32971 (10040821)		
3610822.7 |	442.18639 (12060824)	435.97626 (12090522)	444.44024 (12090522)
440.61056 (10040821)	434.31776 (11010619)		
3610792.7 |	429.75844 (12090522)	454.29507 (12090522)	447.24147 (10040821)
448.32175 (11010619)	437.14530 (11041622)		
3610762.7 |	466.70962 (12090522)	463.96593 (12090522)	461.28819 (10040821)
448.19076 (11041622)	431.24371 (11041622)		
3610732.7 |	480.19213 (12090522)	477.93505 (10040821)	462.62649 (11041622)
444.57528 (11041622)	432.17034 (12060823)		
3610702.7 |	484.93994 (10040821)	473.86434 (10040821)	460.72574 (11041622)
441.30364 (12060823)	438.35452 (11020821)		
3610672.7 |	486.06852 (10040821)	474.92228 (11041622)	455.49949 (12060823)
449.78724 (11020821)	436.72063 (11020821)		
3610642.7 |	484.84841 (11041622)	460.44900 (11041622)	456.32000 (12091922)
450.48824 (12060822)	436.45472 (10061223)		
3610612.7 |	477.32038 (12090624)	465.30780 (12090222)	448.19739 (12081902)
443.67824 (10061223)	430.10360 (10061223)		
3610582.7 |	484.25459 (12090222)	459.21642 (12081902)	447.60959 (10061223)
437.95175 (12090323)	436.58940 (12100221)		
3610552.7 |	479.05982 (12081902)	455.94393 (12081902)	443.73215 (12090323)
430.46763 (12090323)	434.07977 (10081706)		
3610522.7 |	474.71007 (12081902)	459.75176 (12090323)	437.89550 (12090323)
431.95702 (10082303)	428.01879 (10082303)		
3610492.7 |	470.25442 (12090323)	453.30411 (10081706)	442.91508 (10082303)
430.98746 (10082301)	421.58450 (12090701)		
3610462.7 |	465.34215 (10082303)	456.87697 (10082301)	440.54222 (12090701)
432.85564 (11041621)	429.00109 (11041621)		
3610432.7	462.05611 (10082301)	454.86596 (11041621)	450.64709 (11041621)
445.79380 (11041621)	433.30039 (11041621)		

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 *** 11:43:41

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491054.72	491084.72	491114.72
	491144.72	491174.72	

3611032.7 |	349.87233 (12090522)	382.36419 (12090522)	379.36017 (12090522)
369.79965	(10092320)	363.01347 (11010619)	
3611002.7 |	376.32517 (12090522)	391.72335 (12090522)	385.54321 (10092320)
377.43983	(11010619)	368.29805 (11010619)	
3610972.7 |	393.80379 (12090522)	387.85980 (12090522)	396.47933 (10092320)
385.42170	(11010619)	373.21651 (12052822)	
3610942.7 |	397.54923 (12090522)	403.66955 (10092320)	401.86494 (11010619)
391.44191	(12052822)	371.73438 (12052822)	
3610912.7 |	401.62224 (10092320)	399.29947 (11010619)	400.92396 (12052822)
393.75251	(12052822)	370.94965 (12060823)	
3610882.7 |	409.33303 (11010619)	395.95634 (11010619)	397.54743 (12052822)
382.36472	(12060823)	374.98016 (12060823)	
3610852.7 |	414.37101 (11010619)	408.81704 (11041622)	389.91688 (11041622)
389.37748	(12060823)	385.57221 (11020821)	
3610822.7 |	422.22399 (11041622)	406.84297 (11041622)	401.23684 (12060823)
401.89197	(11020821)	386.18103 (11020821)	
3610792.7 |	416.99805 (11041622)	415.12175 (12060823)	410.50422 (11020821)
401.61681	(11020821)	383.56312 (12060822)	
3610762.7 |	420.40172 (12060823)	421.09742 (11020821)	409.57755 (11020821)
396.22349	(12060822)	384.91120 (10061223)	
3610732.7 |	427.39244 (11020821)	417.43194 (11020821)	406.01302 (12060822)
397.14277	(10061223)	380.91239 (10061223)	
3610702.7 |	425.17768 (11020821)	413.35998 (12060822)	406.34845 (10061223)
392.77742	(12100221)	390.77747 (12100221)	
3610672.7 |	423.44816 (10061223)	412.93774 (10061223)	404.60693 (12100221)
400.06129	(12100221)	391.03466 (10081706)	

3610642.7 |	424.63337 (10061223)	416.32738 (12100221)	406.05875 (12100221)
398.04190 (10081706)	389.05534 (10081706)		
3610612.7 |	428.33305 (12100221)	415.75345 (12100221)	410.08775 (10081706)
396.75488 (10082303)	387.37072 (10082303)		
3610582.7 |	425.32006 (10081706)	419.57088 (10081706)	412.50804 (10082303)
404.04508 (12080802)	390.67388 (11040305)		
3610552.7 |	427.66043 (10082303)	420.95068 (10082301)	412.07143 (11040305)
404.47245 (10041603)	395.53037 (10111905)		
3610522.7 |	427.98829 (10082301)	415.68657 (12080205)	413.77877 (12090723)
410.79374 (12090723)	404.14156 (12090723)		
3610492.7 |	418.58503 (12090723)	423.69783 (12090723)	419.82450 (11041621)
415.10747 (11041621)	407.72879 (10081723)		
3610462.7 |	424.90270 (11041621)	424.74728 (11041621)	418.31498 (11041621)
416.96308 (10071502)	413.15448 (10071502)		
3610432.7	428.39626 (12082103)	419.55519 (10071502)	417.79893 (11021319)
415.80188 (11021319)	411.79065 (11021319)		

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 *** 11:43:41

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491204.72	491234.72	491264.72
491294.72	491324.72		

3611032.7 |	345.14491 (11010619)	337.69245 (12052822)	310.93932 (12052822)
298.41515 (12090624)	294.84444 (12060823)		
3611002.7 |	345.09975 (12052822)	322.29754 (12052822)	320.06138 (12090624)

311.60132 (12060823)	309.90412 (11020821)		
3610972.7 | 342.80656 (12052822)	320.72973 (12090624)	323.26001 (12060823)	
325.16219 (11020821)	316.77035 (11020821)		
3610942.7 | 352.45848 (12090624)	321.37050 (12060823)	334.46894 (11020821)	
325.47676 (11020821)	315.26311 (12060822)		
3610912.7 | 360.43609 (12060823)	340.82766 (11020821)	337.30760 (11020821)	
324.13410 (12060822)	317.32815 (12081902)		
3610882.7 | 370.92477 (11020821)	355.05185 (11020821)	338.80564 (12060822)	
330.92846 (10061223)	322.78069 (10061223)		
3610852.7 | 372.32480 (11020821)	356.09642 (12060822)	343.07450 (10061223)	
336.19423 (10061223)	326.66000 (12090323)		
3610822.7 | 370.14138 (12060822)	360.40693 (10061223)	343.67277 (10061223)	
335.85450 (12090323)	331.93548 (12100221)		
3610792.7 | 374.28040 (10061223)	358.84870 (10061223)	346.94476 (12090323)	
340.81615 (12100221)	330.46798 (12100221)		
3610762.7 | 372.81088 (10061223)	361.17542 (12100221)	354.33594 (12100221)	
340.10270 (12062723)	334.23466 (10081706)		
3610732.7 | 375.57081 (12100221)	364.09001 (12100221)	354.22616 (10081706)	
345.19225 (10081706)	334.09108 (10081706)		
3610702.7 | 377.27829 (12100221)	370.99129 (10081706)	359.70183 (10081706)	
344.91538 (12062423)	338.93755 (12062423)		
3610672.7 | 385.33393 (10081706)	367.02475 (10081706)	357.28991 (12062423)	
346.51415 (10082301)	342.90029 (10082301)		
3610642.7 | 385.63941 (10082303)	367.29436 (12062423)	358.96777 (10082301)	
348.85039 (11040305)	349.69717 (10041603)		
3610612.7 | 381.49947 (10082301)	371.28634 (11040305)	364.60082 (10041603)	
354.70662 (10111905)	356.83759 (12090723)		
3610582.7 | 377.54312 (10041603)	376.41079 (10111905)	372.26298 (12090723)	
365.30591 (12090723)	360.01420 (12090723)		
3610552.7 | 387.31924 (12090723)	391.49787 (12090723)	379.72343 (11041621)	
372.93486 (11041621)	365.55567 (11041621)		
3610522.7 | 396.26471 (10081723)	395.39766 (10081723)	390.48411 (10081723)	
377.33778 (10082424)	370.65133 (10071502)		
3610492.7 | 400.20155 (10082424)	397.27679 (10071502)	400.91358 (10071502)	
391.55042 (10071502)	381.62037 (10071624)		
3610462.7 | 409.72077 (10071624)	404.66784 (10071624)	400.51762 (10071624)	
395.46705 (11031921)	389.40483 (11031921)		
3610432.7 408.97841 (11031921)	404.49533 (11031921)	400.55878 (11103019)	
400.88029 (11103019)	396.41467 (11103019)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 11:43:41

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002

```

, L0000003      , L0000004      , L0000005      ,
                  L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
                  L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
                  L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .          ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD			X-COORD (METERS)
(METERS)	491354.72	491384.72	491414.72
	491444.72	491474.72	

```

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3611032.7 | 294.86726 (11020821) 284.70498 (11020821) 267.19431 (11031623)
260.76502 (12081902) 251.36353 (12081902)
3611002.7 | 305.15699 (11020821) 286.17935 (12060822) 282.19147 (12081902)
263.34331 (12081902) 254.00922 (10061223)
3610972.7 | 303.53532 (12060822) 293.00302 (12081902) 281.27244 (10061223)
266.25919 (10061223) 258.86562 (12090323)
3610942.7 | 309.29461 (12081902) 298.04862 (10061223) 287.01475 (10061223)
275.53895 (12090323) 265.27832 (12090323)
3610912.7 | 303.28296 (10061223) 288.00552 (10061223) 289.47518 (12090323)
285.33835 (12090323) 267.79495 (12062723)
3610882.7 | 303.94816 (12090323) 289.63626 (12090323) 294.46008 (12090323)
288.84769 (12062723) 278.40438 (12062723)
3610852.7 | 318.83789 (12090323) 302.09131 (12100221) 299.11751 (12062723)
292.73611 (10081706) 287.09632 (10081706)
3610822.7 | 312.44856 (12100221) 295.60380 (12062723) 287.84037 (10081706)
288.55662 (10081706) 287.80602 (12052301)
3610792.7 | 307.96374 (10081706) 298.84539 (10081706) 291.71434 (10081706)
295.85015 (12052301) 291.38945 (12062423)
3610762.7 | 322.90257 (10081706) 310.25621 (12052301) 312.18598 (12062423)
304.33727 (12062423) 302.43639 (10082301)
3610732.7 | 330.07719 (12062423) 320.22831 (12062423) 331.53350 (10082301)
314.69013 (11040305) 308.15220 (12080205)
3610702.7 | 338.95478 (10082301) 326.91618 (11040305) 337.73816 (11040305)
332.31553 (12080205) 309.07285 (12080205)
3610672.7 | 343.17076 (11040305) 344.20507 (10041603) 340.31937 (10041603)
336.50791 (10111905) 316.78227 (10111905)
3610642.7 | 348.27575 (10111905) 359.26010 (10111905) 358.19342 (12090723)
338.82090 (10061623) 320.49790 (10061623)
3610612.7 | 366.08457 (12090723) 372.00778 (12090723) 368.46876 (11041621)
360.48409 (11041621) 325.25086 (11041621)

```

3610582.7	|	372.99623	(11041621)	376.71644	(11041621)	374.58297	(11041621)
371.13168		(10082424)	336.24053	(10082424)			
3610552.7	|	366.54783	(11041621)	371.25236	(10082424)	376.99621	(10071502)
375.83295		(10071502)	346.29504	(10071502)			
3610522.7	|	389.42892	(10071502)	379.98717	(10071502)	379.06546	(10071624)
373.19404		(10071624)	345.32060	(10071624)			
3610492.7	|	386.84096	(11021319)	381.95205	(10071624)	369.40270	(11031921)
359.33236		(11031921)	345.63772	(11031921)			
3610462.7	|	386.06371	(11031921)	370.52669	(11031921)	365.81846	(11103019)
357.24098		(11103019)	342.28268	(11040422)			
3610432.7		390.38687	(11103019)	366.66694	(11103019)	359.35095	(11040422)
349.03685		(11040422)	335.17407	(11082824)			

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 *** 11:43:41

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491504.72	

3611032.7	|	247.23487	(10061223)
3611002.7	|	244.84067	(12090323)
3610972.7	|	252.96312	(12090323)
3610942.7	|	256.13870	(12090323)
3610912.7	|	261.93836	(12062723)
3610882.7	|	270.76381	(10081706)
3610852.7	|	272.51802	(10081706)
3610822.7	|	279.12771	(12052301)

3610792.7 | 286.46907 (12080802)
 3610762.7 | 297.70429 (11040305)
 3610732.7 | 303.08449 (12080205)
 3610702.7 | 305.65505 (10111905)
 3610672.7 | 311.13834 (10061623)
 3610642.7 | 311.77376 (11041621)
 3610612.7 | 313.65168 (11041621)
 3610582.7 | 321.42678 (12082103)
 3610552.7 | 326.46503 (10071502)
 3610522.7 | 325.29323 (11031921)
 3610492.7 | 328.15447 (11031921)
 3610462.7 | 325.33238 (11040422)
 3610432.7 | 314.76281 (11082824)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 11:43:41

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491130.33	491160.33	491190.33
	491220.33	491250.33	

 3610157.7 | 478.85464 (10120403) 473.04001 (10120403) 465.51895 (10120403)
 453.63918 (10120403) 445.27270 (10120403)
 3610127.7 | 480.64688 (11091121) 466.41975 (11091121) 457.32619 (10120403)
 452.60270 (10120403) 448.63801 (10120403)
 3610097.7 | 492.75781 (12042821) 475.54911 (12042821) 468.59056 (11091121)
 457.64804 (11091121) 448.07835 (11091121)

3610067.7 |	494.52194 (12101605)	488.59269 (12042821)	480.08289 (12042821)
467.09410 (12042821)	452.10059 (12042821)		
3610037.7 |	506.16530 (10032320)	492.17916 (10033124)	477.06188 (12101605)
467.40354 (12042821)	466.32314 (12042821)		
3610007.7 |	497.22147 (10033101)	490.87306 (10033101)	482.61319 (10032320)
474.65790 (10033124)	463.41833 (10033124)		
3609977.7 |	510.01698 (12120619)	499.12480 (12120619)	481.97764 (10033101)
471.64802 (10033101)	469.46079 (10032320)		
3609947.7 |	491.50472 (11042621)	497.63091 (12120619)	489.98309 (12120619)
474.96480 (11032521)	470.15088 (10033101)		
3609917.7 |	479.31861 (11042621)	482.24292 (11042621)	473.48927 (12120619)
479.27424 (12120619)	475.42601 (12120619)		
3609887.7 |	457.58875 (10040120)	465.52297 (11042621)	478.03195 (11042621)
467.36296 (11042621)	465.36831 (12120619)		
3609857.7 |	453.60204 (10082423)	446.95993 (10040120)	444.56580 (10040120)
454.02573 (11042621)	458.44027 (11042621)		
3609827.7 |	451.98660 (10082423)	446.76344 (10082423)	443.73558 (10082423)
445.15966 (10040120)	439.95898 (11042621)		
3609797.7 |	467.08591 (10101020)	443.11744 (10101020)	437.75859 (10082423)
433.86881 (10082423)	429.04058 (10040120)		
3609767.7 |	458.35475 (12022522)	455.90077 (10090921)	442.65560 (10101020)
431.12423 (10101020)	428.20004 (10082423)		
3609737.7 |	449.56365 (11091821)	435.74356 (11052522)	450.62807 (10101020)
445.09838 (10101020)	429.09605 (10101020)		
3609707.7 |	438.50297 (10041824)	422.08684 (11091821)	445.81367 (11052522)
436.21094 (10101020)	437.39093 (10101020)		
3609677.7 |	451.52702 (11111520)	411.56308 (10041824)	409.92648 (11091821)
434.43113 (10090921)	430.36137 (10101020)		
3609647.7 |	444.46160 (11111520)	402.92510 (11111520)	391.91984 (10041824)
433.77818 (10091101)	416.78857 (10090921)		
3609617.7 |	434.26711 (12041421)	420.49137 (12051322)	376.90283 (11111520)
392.84908 (10041824)	407.30573 (10041824)		
3609587.7 |	423.29032 (11112103)	416.18455 (12041421)	359.50354 (12051322)
360.53962 (11111520)	410.18970 (10041824)		
3609557.7	426.47932 (11112103)	418.60288 (12041421)	358.07257 (10121523)
341.44851 (11111520)	395.50000 (11111520)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,

, L0000019 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491280.33	491310.33	491340.33
	491370.33	491400.33	

3610157.7 |	434.11884 (10071501)	440.17824 (10071501)	428.19468 (10071501)
429.33267 |	(10071501) 420.27713 (11092822)		
3610127.7 |	445.96216 (10120403)	444.63972 (10120403)	437.91732 (10120403)
433.24799 |	(10052921) 427.83586 (10052921)		
3610097.7 |	437.67086 (11091121)	440.91456 (10090221)	439.08907 (11092823)
434.95422 |	(11092823) 430.16644 (11092823)		
3610067.7 |	450.25738 (11091121)	451.25393 (11091121)	446.50481 (11091121)
439.79055 |	(10090221) 435.17774 (10090221)		
3610037.7 |	457.92203 (12042821)	454.21396 (12042821)	449.09212 (11062622)
446.56612 |	(11091121) 441.30454 (11091121)		
3610007.7 |	455.81294 (12101605)	458.74590 (12042821)	456.87745 (12042821)
449.88232 |	(12042821) 439.77287 (11062622)		
3609977.7 |	461.64142 (10033124)	455.44943 (10033124)	452.12270 (11051223)
444.20937 |	(12022520) 445.34943 (12042821)		
3609947.7 |	460.60540 (10033101)	458.39864 (10032320)	459.43218 (10033124)
451.15933 |	(10033124) 445.11601 (11051223)		
3609917.7 |	457.52946 (11032521)	452.90369 (10033101)	458.08290 (10071423)
450.16639 |	(12011919) 441.94232 (10033124)		
3609887.7 |	464.83477 (12120619)	456.25026 (12120619)	443.41778 (10033101)
454.65728 |	(10033101) 449.69523 (10071423)		
3609857.7 |	451.28134 (11042621)	458.55146 (12120619)	449.58423 (12120619)
452.87186 |	(11032521) 446.94936 (11071724)		
3609827.7 |	447.90894 (11042621)	446.27698 (11042621)	438.63260 (12120619)
444.86807 |	(12120619) 445.83375 (11032521)		
3609797.7 |	424.12511 (10040120)	438.00497 (11042621)	442.68843 (11042621)
437.67303 |	(11042621) 433.86661 (12120101)		
3609767.7 |	417.86387 (10040120)	415.74622 (10040120)	423.35754 (11042621)
430.39619 |	(11042621) 436.70209 (11042621)		
3609737.7 |	422.07922 (10082423)	409.31424 (10082423)	409.57799 (10040120)
406.37316 |	(11042621) 418.31754 (11042621)		
3609707.7 |	425.72617 (10101020)	414.24713 (10082423)	403.63621 (10082423)
399.08538 |	(10040120) 398.40919 (10040120)		
3609677.7 |	433.33487 (10101020)	421.15277 (10101020)	406.70976 (10082423)

400.90627	(10082423)	391.31047	(10040120)		
3609647.7	| 425.64633	(10101020)	428.58535	(10101020)	415.15732 (10101020)
398.88551	(10082423)	395.54166	(10082423)		
3609617.7	| 410.62996	(10090921)	419.77537	(10101020)	419.15689 (10101020)
410.23264	(10101020)	391.60917	(10082423)		
3609587.7	| 412.21251	(10041824)	404.85809	(10090921)	411.51020 (10101020)
414.07595	(10101020)	406.62218	(10101020)		
3609557.7	412.07832	(10041824)	407.62698	(10041824)	399.23247 (10090921)
402.61883	(10090921)	407.66906	(10101020)		

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 *** 11:43:41

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491430.33	491460.33	491490.33
	491520.33	491550.33	

3610157.7	| 416.24812	(11092822)	404.11259	(11092822)	370.77340 (11092822)
372.34765	(11092822)	349.91049	(10083122)		
3610127.7	| 419.12027	(10071501)	409.80005	(10071501)	373.60944 (10081704)
379.49888	(10071501)	353.64176	(10081704)		
3610097.7	| 419.38892	(11092823)	409.93351	(10052921)	383.59683 (10052921)
373.16104	(10052921)	367.09788	(10052921)		
3610067.7	| 422.53231	(10090221)	414.81167	(11092823)	400.13372 (11092823)
371.95280	(10062422)	364.90439	(10062422)		
3610037.7	| 427.09576	(10082604)	418.13503	(10082604)	405.46280 (10090221)
373.87795	(12050723)	365.54738	(12050723)		

3610007.7 |	429.95013 (11062622)	414.79201 (11091121)	407.16941 (11091121)
392.02659 (11091121)	366.77957 (11083021)		
3609977.7 |	436.05545 (12042821)	414.42957 (12042821)	405.02158 (11062622)
393.44109 (11062622)	370.74376 (11091121)		
3609947.7 |	427.78750 (12022520)	413.92962 (12042821)	407.73364 (12042821)
394.57086 (12042821)	382.74550 (12042821)		
3609917.7 |	433.17131 (10033124)	422.78482 (11051223)	408.09272 (11051223)
396.26909 (12022520)	385.20602 (12042821)		
3609887.7 |	440.78687 (12011919)	424.32111 (10032320)	412.03097 (10033124)
405.39420 (11051223)	392.55941 (11051223)		
3609857.7 |	441.82627 (10033101)	431.16165 (12011919)	418.93120 (12011919)
411.95778 (10032320)	404.08325 (10033124)		
3609827.7 |	441.85375 (11032521)	429.75453 (11071724)	424.15389 (10033101)
419.94499 (12011919)	412.72413 (12011919)		
3609797.7 |	434.70642 (11032521)	436.09841 (11032521)	428.11657 (11032521)
418.32325 (11071724)	417.78775 (10033101)		
3609767.7 |	424.56970 (11042621)	424.99928 (12120101)	424.94829 (11032521)
426.01514 (11032521)	420.60232 (11032521)		
3609737.7 |	432.67289 (11042621)	430.45776 (11042621)	421.02135 (11081622)
416.41203 (12120619)	416.72595 (11032521)		
3609707.7 |	408.68806 (11042621)	421.44006 (11042621)	424.74743 (11042621)
414.71485 (11042621)	408.44579 (12120101)		
3609677.7 |	386.11375 (10040120)	392.94684 (11042621)	412.92410 (11042621)
418.26026 (11042621)	418.80744 (11042621)		
3609647.7 |	383.52245 (10082423)	385.76958 (10040120)	378.83707 (11042621)
406.07124 (11042621)	412.38633 (11042621)		
3609617.7 |	390.52676 (10082423)	381.29152 (10082423)	378.23991 (10040120)
385.43501 (11010719)	408.86185 (11022504)		
3609587.7 |	387.40945 (10101020)	384.73984 (10082423)	377.01730 (10082423)
393.82018 (11010719)	413.74350 (11010719)		
3609557.7	400.07098 (10101020)	382.94171 (10101020)	380.40804 (10082423)
387.45394 (10082423)	399.84887 (11010719)		

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 *** 11:43:41

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491580.33		491610.33	491640.33
	491670.33	491700.33		

3610157.7 |	330.57371 (10083122)	313.59681 (10083122)	299.36617 (10083122)
291.05931 (10081623)	281.11008 (10080122)		
3610127.7 |	337.11855 (11092822)	320.86870 (11092822)	301.44956 (10102205)
293.98780 (10102205)	291.56247 (10102205)		
3610097.7 |	342.22516 (10012920)	327.36226 (10012920)	309.40985 (10012920)
294.91729 (10102206)	288.94526 (10102206)		
3610067.7 |	347.37219 (12080723)	334.31983 (10012920)	311.81851 (10012920)
293.85422 (10012920)	302.16437 (10012920)		
3610037.7 |	356.03930 (10062422)	343.40691 (10062422)	311.97939 (10062422)
295.36464 (12080723)	305.16690 (12080723)		
3610007.7 |	356.65278 (12050723)	348.47490 (12050723)	327.37940 (12050723)
308.06946 (12050723)	307.96349 (10062422)		
3609977.7 |	365.82703 (11091121)	353.06299 (11091121)	346.32184 (11083021)
340.01332 (11083021)	328.47355 (12050723)		
3609947.7 |	371.61768 (11062622)	364.64069 (11062622)	355.25247 (11062622)
345.08129 (11091121)	321.52649 (11091121)		
3609917.7 |	382.14334 (12042821)	373.03759 (12042821)	360.95605 (12042821)
353.63072 (11062622)	344.16477 (11062622)		
3609887.7 |	379.89719 (12022520)	371.47639 (12042821)	370.82882 (12042821)
361.51073 (12042821)	351.88568 (12042821)		
3609857.7 |	395.26909 (10033124)	381.11898 (11051223)	368.40515 (11051223)
352.47453 (12022520)	347.69523 (12042821)		
3609827.7 |	406.31142 (10032320)	393.85994 (10033124)	376.86378 (10033124)
361.51275 (11051223)	347.85863 (11051223)		
3609797.7 |	409.24327 (12011919)	391.58889 (12011919)	377.71056 (10032320)
366.17217 (10033124)	354.78474 (10033124)		
3609767.7 |	406.00247 (10033101)	396.95378 (10033101)	380.91375 (12011919)
369.88371 (12011919)	357.51111 (10032320)		
3609737.7 |	413.71918 (11032521)	396.78501 (11032521)	380.97878 (10033101)
367.63954 (10033101)	358.74078 (12011919)		
3609707.7 |	399.33320 (12120619)	391.55755 (11032521)	381.86667 (11032521)
360.55232 (11071724)	353.75436 (10033101)		
3609677.7 |	398.77432 (11081622)	384.10240 (12120101)	374.38122 (12120619)
358.42212 (11032521)	351.37402 (11032521)		
3609647.7 |	405.50277 (11042621)	389.80618 (11042621)	369.21944 (12120101)
358.97430 (12120619)	346.11101 (12120619)		
3609617.7 |	393.76716 (11022504)	391.40974 (11042621)	377.86317 (11042621)

358.69219 (11081622) 349.08216 (12120101)
 3609587.7 | 399.35454 (11010719) 385.74906 (11022504) 377.17241 (11042621)
 369.72049 (11042621) 356.66407 (11042621)
 3609557.7 | 399.29770 (11010719) 392.22489 (11010719) 376.32506 (11022504)
 363.34579 (11042621) 361.86075 (11042621)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 11:43:41

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
 (METERS) | 491730.33

 3610157.7 | 257.88652 (10080122)
 3610127.7 | 276.06292 (10102205)
 3610097.7 | 284.06210 (10101707)
 3610067.7 | 296.52053 (10012920)
 3610037.7 | 300.46610 (12080723)
 3610007.7 | 304.28837 (10062422)
 3609977.7 | 314.63227 (12050723)
 3609947.7 | 312.09336 (11083021)
 3609917.7 | 312.78184 (11062622)
 3609887.7 | 328.58899 (12042821)
 3609857.7 | 337.41559 (12042821)
 3609827.7 | 330.42839 (12022520)
 3609797.7 | 341.28090 (11051223)
 3609767.7 | 336.82635 (10033124)
 3609737.7 | 342.77257 (12011919)

3609707.7 | 344.58282 (10033101)
 3609677.7 | 343.31532 (11071724)
 3609647.7 | 344.36671 (11032521)
 3609617.7 | 345.44493 (12120619)
 3609587.7 | 346.90717 (12120101)
 3609557.7 | 352.71836 (11042621)

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491047.79	3610338.70	446.86496	(10021719)	491035.98
3610364.67	441.63480	(11103019)		
491034.41	3610389.86	437.67317	(12080702)	491028.11
3610411.90	433.98583	(11021319)		
491014.73	3610434.73	438.80963	(11041621)	491012.37
3610455.20	436.82898	(11041621)		
491004.50	3610474.88	420.94324	(10082301)	490991.12
3610503.22	432.44591	(10082303)		
490987.18	3610525.26	430.22852	(10081706)	490977.73
3610548.08	439.71943	(12090323)		
490949.40	3610618.14	462.11375	(12090222)	490945.46
3610627.59	463.23009	(12090222)		
490941.52	3610635.46	459.37086	(12090222)	490938.38
3610643.33	458.63725	(12090624)		
490936.80	3610653.56	464.19789	(11041622)	490931.29

3610660.65	473.35893	(11041622)		
490928.14	3610671.67	478.44688	(11041622)	490924.21
3610687.41	477.74829	(11041622)		
490921.84	3610696.86	482.81557	(10040821)	490917.91
3610711.03	485.59462	(10040821)		
490914.76	3610721.26	483.07912	(10040821)	490912.40
3610730.71	477.78643	(12090522)		
491123.36	3610365.46	424.78530	(10101019)	491110.76
3610392.23	422.08267	(11103019)		
491113.91	3610414.27	416.53079	(11021319)	491077.70
3610404.03	422.79413	(12080702)		
491072.98	3610434.73	419.23103	(12082103)	491095.02
3610438.67	420.94303	(10071502)		
491061.96	3610452.84	425.01629	(11041621)	491095.02
3610461.50	422.64107	(11041621)		
491141.46	3610452.84	417.38885	(10071502)	491217.82
3610342.63	419.72551	(10021719)		
491231.99	3610354.44	420.66011	(10021719)	491212.31
3610402.46	416.76722	(11103019)		
491268.98	3610344.21	417.17154	(10021719)	491253.24
3610367.82	414.70956	(10101019)		
491272.92	3610367.04	413.85743	(10021719)	491267.41
3610377.27	414.29993	(10101019)		
491261.11	3610396.16	410.34486	(11082824)	491257.18
3610411.12	407.13872	(11103019)		
491250.88	3610427.65	403.48740	(11103019)	491249.31
3610437.88	403.07940	(11031921)		
491235.14	3610424.50	408.67753	(11103019)	491309.92
3610455.20	393.98988	(11031921)		
491297.32	3610442.60	395.15495	(11031921)	491291.81
3610456.77	395.94485	(11031921)		
491302.05	3610425.29	402.18358	(11103019)	491305.98
3610409.54	402.12774	(11082824)		
491309.92	3610391.44	404.45534	(10081702)	491313.85
3610381.99	405.33851	(10081702)		
491322.51	3610360.74	412.25079	(10021719)	491357.93
3610393.01	388.28219	(10081702)		
491333.53	3610394.59	399.44233	(10081702)	491317.00
3610423.71	399.58576	(11103019)		
491339.83	3610449.69	385.37884	(11103019)	491789.84
3610834.51	205.46395	(10111905)		
491736.12	3610685.40	237.31113	(12060306)	491764.84
3610697.44	229.01484	(12060306)		
491745.39	3610769.68	228.89637	(10111905)	491787.06
3610804.87	213.18476	(10111905)		
491826.89	3610793.76	213.97759	(10111905)	491932.47
3610778.94	176.06185	(12060306)		
491972.30	3610736.34	176.28833	(12060306)	492013.97
3610879.89	155.33437	(10111905)		
492072.32	3610792.83	168.64125	(12060306)	492041.76

3610753.01 172.08713 (12060306)
 491988.04 3610818.76 169.10924 (12060306) 491958.40
 3610814.13 166.55381 (12060306)
 491908.39 3610878.04 173.75279 (10111905) 491946.36
 3610878.04 172.44926 (10111905)
 491976.93 3610888.23 163.81209 (10111905) 491744.61
 3610664.79 237.33528 (12060306)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304

HRS) RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
ALL	1ST HIGHEST VALUE IS	46.56680 AT (	490904.72, 3610432.74, 5.60,
	5.60, 0.00) GC UCART1		
	2ND HIGHEST VALUE IS	43.35189 AT (	490904.72, 3610462.74, 5.60,
	5.60, 0.00) GC UCART1		
	3RD HIGHEST VALUE IS	42.77875 AT (	490934.72, 3610432.74, 5.40,
	5.40, 0.00) GC UCART1		
	4TH HIGHEST VALUE IS	40.12351 AT (	490904.72, 3610492.74, 5.70,
	5.70, 0.00) GC UCART1		
	5TH HIGHEST VALUE IS	39.85571 AT (	490934.72, 3610462.74, 6.10,
	6.10, 0.00) GC UCART1		
	6TH HIGHEST VALUE IS	38.90924 AT (	490964.72, 3610432.74, 6.70,
	6.70, 0.00) GC UCART1		
	7TH HIGHEST VALUE IS	37.06606 AT (	490934.72, 3610492.74, 6.40,
	6.40, 0.00) GC UCART1		
	8TH HIGHEST VALUE IS	36.93647 AT (	490904.72, 3610522.74, 6.00,
	6.00, 0.00) GC UCART1		
	9TH HIGHEST VALUE IS	36.19193 AT (	490964.72, 3610462.74, 7.50,
	7.50, 0.00) GC UCART1		
	10TH HIGHEST VALUE IS	36.00708 AT (	490994.72, 3610432.74, 6.80,
	6.80, 0.00) GC UCART1		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID			NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC		(YYMMDDHH)		
	OF TYPE	GRID-ID			
ALL	HIGH	1ST HIGH VALUE IS	510.01698	ON 12120619: AT (	491130.33,
3609977.69,	6.50,	6.50,	0.00)	GC	UCART2

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 456 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 161 Calm Hours Identified

A Total of 295 Missing Hours Identified (1.12 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
MX W403 2229 PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

*** AERMOD Finishes Successfully ***

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** MODEL SETUP OPTIONS SUMMARY

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses RURAL Dispersion Only.
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1042 Source(s); 1 Source Group(s); and 954
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1042 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

10	01	01	1	01	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	48.		10.0	283.1	10.0						
10	01	01	1	02	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	62.		10.0	283.1	10.0						
10	01	01	1	03	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	45.		10.0	282.5	10.0						
10	01	01	1	04	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	79.		10.0	281.9	10.0						
10	01	01	1	05	-0.2	0.015	-9.000	-9.000	-999.	4.	1.3	0.03	0.98
1.00		0.44	356.		10.0	280.8	10.0						
10	01	01	1	06	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	45.		10.0	280.8	10.0						
10	01	01	1	07	-0.8	0.031	-9.000	-9.000	-999.	13.	3.3	0.03	0.98
1.00		0.89	47.		10.0	281.9	10.0						
10	01	01	1	08	-0.6	0.030	-9.000	-9.000	-999.	13.	4.3	0.03	0.98
0.49		0.89	78.		10.0	282.5	10.0						
10	01	01	1	09	19.1	0.086	0.293	0.014	47.	61.	-3.1	0.03	0.98
0.30		0.89	24.		10.0	286.4	10.0						
10	01	01	1	10	60.3	0.098	0.561	0.010	106.	73.	-1.4	0.03	0.98
0.23		0.89	351.		10.0	288.1	10.0						
10	01	01	1	11	59.0	0.158	0.715	0.009	224.	150.	-6.0	0.03	0.98
0.21		1.78	311.		10.0	290.8	10.0						
10	01	01	1	12	67.1	0.189	0.858	0.008	341.	197.	-9.1	0.03	0.98
0.20		2.23	313.		10.0	292.5	10.0						
10	01	01	1	13	66.4	0.159	0.922	0.008	427.	153.	-5.5	0.03	0.98
0.20		1.78	305.		10.0	293.6	10.0						
10	01	01	1	14	57.3	0.187	0.919	0.008	490.	193.	-10.2	0.03	0.98
0.21		2.23	278.		10.0	294.8	10.0						
10	01	01	1	15	38.8	0.237	0.827	0.008	526.	277.	-31.0	0.03	0.98
0.24		3.12	289.		10.0	293.1	10.0						
10	01	01	1	16	20.7	0.173	0.678	0.008	543.	174.	-22.7	0.03	0.98
0.33		2.23	296.		10.0	291.4	10.0						
10	01	01	1	17	-1.5	0.046	-9.000	-9.000	-999.	46.	5.7	0.03	0.98
0.60		1.34	337.		10.0	291.4	10.0						
10	01	01	1	18	-1.6	0.046	-9.000	-9.000	-999.	23.	5.4	0.03	0.98
1.00		1.34	337.		10.0	290.3	10.0						
10	01	01	1	19	-0.2	0.015	-9.000	-9.000	-999.	5.	1.8	0.03	0.98
1.00		0.44	252.		10.0	288.6	10.0						
10	01	01	1	20	-0.2	0.015	-9.000	-9.000	-999.	4.	1.8	0.03	0.98
1.00		0.44	113.		10.0	287.5	10.0						
10	01	01	1	21	-0.8	0.030	-9.000	-9.000	-999.	13.	3.3	0.03	0.98
1.00		0.89	122.		10.0	286.9	10.0						
10	01	01	1	22	-2.1	0.046	-9.000	-9.000	-999.	23.	4.0	0.03	0.98
1.00		1.34	99.		10.0	286.4	10.0						
10	01	01	1	23	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	331.		10.0	285.3	10.0						
10	01	01	1	24	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	40.		10.0	285.3	10.0						

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID			NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC		(YYMMDDHH)		
	OF TYPE	GRID-ID			
ALL HIGH	1ST HIGH VALUE IS	510.01698	ON 12120619:	AT (491130.33,	
3609977.69,	6.50,	6.50,	0.00)	GC UCART2	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 456 Informational Message(s)

A Total of 26304 Hours Were Processed
A Total of 161 Calm Hours Identified
A Total of 295 Missing Hours Identified (1.12 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
MX W403 2229 PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/1/2023
** File: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Rohr Wohl
Operations\Rohr Wohl Operations.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati
  MODELOPT DFAULT CONC
  AVERTIME 1 PERIOD
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Rohr Wohl Operations.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = IDLE1
** DESCRSRC Truck Idling PA B-1 Bldg 4
** PREFIX
** Length of Side = 9.70
** Configuration = Adjacent
** Emission Rate = 0.1181
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 490433.073, 3610354.642, 2.69, 3.40, 4.51
** 490481.927, 3610194.027, 2.86, 3.40, 4.51
** -----
  LOCATION L0001253      VOLUME   490434.485 3610350.002 2.68

```

LOCATION L0001254	VOLUME	490437.307	3610340.721	2.69
LOCATION L0001255	VOLUME	490440.130	3610331.441	2.70
LOCATION L0001256	VOLUME	490442.953	3610322.161	2.71
LOCATION L0001257	VOLUME	490445.776	3610312.881	2.71
LOCATION L0001258	VOLUME	490448.598	3610303.601	2.72
LOCATION L0001259	VOLUME	490451.421	3610294.320	2.72
LOCATION L0001260	VOLUME	490454.244	3610285.040	2.73
LOCATION L0001261	VOLUME	490457.066	3610275.760	2.75
LOCATION L0001262	VOLUME	490459.889	3610266.480	2.77
LOCATION L0001263	VOLUME	490462.712	3610257.200	2.79
LOCATION L0001264	VOLUME	490465.535	3610247.919	2.79
LOCATION L0001265	VOLUME	490468.357	3610238.639	2.79
LOCATION L0001266	VOLUME	490471.180	3610229.359	2.78
LOCATION L0001267	VOLUME	490474.003	3610220.079	2.79
LOCATION L0001268	VOLUME	490476.826	3610210.798	2.83
LOCATION L0001269	VOLUME	490479.648	3610201.518	2.86

** End of LINE VOLUME Source ID = IDLE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = IDLE2

** DESCRSRC Truck Idling at PA B-1 Industrial Bldg 2

** PREFIX

** Length of Side = 3.70

** Configuration = Adjacent

** Emission Rate = 0.0903

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 2

** 490591.680, 3610236.857, 3.14, 3.40, 1.72

** 490636.518, 3610248.234, 3.25, 3.40, 1.72

** -----

LOCATION L0001270	VOLUME	490593.473	3610237.312	3.16
LOCATION L0001271	VOLUME	490597.059	3610238.222	3.16
LOCATION L0001272	VOLUME	490600.646	3610239.132	3.17
LOCATION L0001273	VOLUME	490604.232	3610240.042	3.18
LOCATION L0001274	VOLUME	490607.818	3610240.952	3.18
LOCATION L0001275	VOLUME	490611.405	3610241.862	3.19
LOCATION L0001276	VOLUME	490614.991	3610242.772	3.20
LOCATION L0001277	VOLUME	490618.577	3610243.682	3.21
LOCATION L0001278	VOLUME	490622.164	3610244.592	3.21
LOCATION L0001279	VOLUME	490625.750	3610245.502	3.22
LOCATION L0001280	VOLUME	490629.336	3610246.412	3.23
LOCATION L0001281	VOLUME	490632.923	3610247.322	3.24
LOCATION L0001282	VOLUME	490636.509	3610248.232	3.28

** End of LINE VOLUME Source ID = IDLE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = IDLE3

** DESCRSRC Addtl Truck Idling at PA B-1 Bldg 2

** PREFIX

** Length of Side = 3.70
 ** Configuration = Adjacent
 ** Emission Rate = 0.0833
 ** Vertical Dimension = 6.80
 ** SZINIT = 3.16
 ** Nodes = 2
 ** 490671.318, 3610262.288, 3.60, 3.40, 1.72
 ** 490715.487, 3610272.326, 3.78, 3.40, 1.72

LOCATION	VOLUME	490673.122	3610262.698	3.65
L0001283	VOLUME	490673.122	3610262.698	3.65
L0001284	VOLUME	490676.730	3610263.518	3.68
L0001285	VOLUME	490680.338	3610264.338	3.71
L0001286	VOLUME	490683.946	3610265.158	3.75
L0001287	VOLUME	490687.554	3610265.978	3.76
L0001288	VOLUME	490691.162	3610266.798	3.77
L0001289	VOLUME	490694.770	3610267.618	3.78
L0001290	VOLUME	490698.378	3610268.438	3.79
L0001291	VOLUME	490701.986	3610269.258	3.80
L0001292	VOLUME	490705.594	3610270.078	3.81
L0001293	VOLUME	490709.202	3610270.898	3.81
L0001294	VOLUME	490712.810	3610271.718	3.79

** End of LINE VOLUME Source ID = IDLE3

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = IDLE4

** DESCRSRC Truck Idling at PA B-1 Bldg 3

** PREFIX

** Length of Side = 3.70
 ** Configuration = Adjacent
 ** Emission Rate = 0.1458
 ** Vertical Dimension = 6.80
 ** SZINIT = 3.16

** Nodes = 2
 ** 490584.987, 3610393.457, 3.29, 0.00, 1.72
 ** 490605.064, 3610319.842, 3.40, 0.00, 1.72

LOCATION	VOLUME	490585.474	3610391.672	3.34
L0001295	VOLUME	490585.474	3610391.672	3.34
L0001296	VOLUME	490586.448	3610388.103	3.37
L0001297	VOLUME	490587.421	3610384.533	3.40
L0001298	VOLUME	490588.395	3610380.963	3.42
L0001299	VOLUME	490589.368	3610377.394	3.42
L0001300	VOLUME	490590.342	3610373.824	3.42
L0001301	VOLUME	490591.315	3610370.254	3.42
L0001302	VOLUME	490592.289	3610366.685	3.42
L0001303	VOLUME	490593.262	3610363.115	3.42
L0001304	VOLUME	490594.236	3610359.546	3.42
L0001305	VOLUME	490595.210	3610355.976	3.43
L0001306	VOLUME	490596.183	3610352.406	3.43
L0001307	VOLUME	490597.157	3610348.837	3.42
L0001308	VOLUME	490598.130	3610345.267	3.42

LOCATION L0001309	VOLUME	490599.104	3610341.697	3.41
LOCATION L0001310	VOLUME	490600.077	3610338.128	3.41
LOCATION L0001311	VOLUME	490601.051	3610334.558	3.40
LOCATION L0001312	VOLUME	490602.024	3610330.989	3.40
LOCATION L0001313	VOLUME	490602.998	3610327.419	3.39
LOCATION L0001314	VOLUME	490603.971	3610323.849	3.39
LOCATION L0001315	VOLUME	490604.945	3610320.280	3.39

** End of LINE VOLUME Source ID = IDLE4

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = IDLE5

** DESCRSRC Truck Idling at PA B-1 Bldg 1

** PREFIX

** Length of Side = 3.70

** Configuration = Adjacent

** Emission Rate = 0.0764

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 2

** 490647.895, 3610378.065, 3.65, 3.40, 1.72

** 490659.272, 3610338.580, 3.62, 3.40, 1.72

**

LOCATION L0001316	VOLUME	490648.407	3610376.287	3.64
LOCATION L0001317	VOLUME	490649.432	3610372.732	3.64
LOCATION L0001318	VOLUME	490650.456	3610369.176	3.64
LOCATION L0001319	VOLUME	490651.481	3610365.621	3.64
LOCATION L0001320	VOLUME	490652.505	3610362.066	3.64
LOCATION L0001321	VOLUME	490653.529	3610358.510	3.63
LOCATION L0001322	VOLUME	490654.554	3610354.955	3.63
LOCATION L0001323	VOLUME	490655.578	3610351.400	3.63
LOCATION L0001324	VOLUME	490656.603	3610347.844	3.63
LOCATION L0001325	VOLUME	490657.627	3610344.289	3.62
LOCATION L0001326	VOLUME	490658.652	3610340.734	3.62

** End of LINE VOLUME Source ID = IDLE5

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = IDLE6

** DESCRSRC Truck Idling at PA A

** PREFIX

** Length of Side = 3.70

** Configuration = Adjacent

** Emission Rate = 0.4861

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 2

** 490754.303, 3610469.080, 5.37, 3.40, 1.72

** 490832.603, 3610220.796, 4.55, 3.40, 1.72

**

LOCATION L0001327	VOLUME	490754.859	3610467.316	5.24
LOCATION L0001328	VOLUME	490755.972	3610463.787	5.28

LOCATION	L0001329	VOLUME	490757.085	3610460.258	5.31
LOCATION	L0001330	VOLUME	490758.198	3610456.730	5.35
LOCATION	L0001331	VOLUME	490759.310	3610453.201	5.37
LOCATION	L0001332	VOLUME	490760.423	3610449.672	5.40
LOCATION	L0001333	VOLUME	490761.536	3610446.144	5.42
LOCATION	L0001334	VOLUME	490762.649	3610442.615	5.42
LOCATION	L0001335	VOLUME	490763.762	3610439.086	5.36
LOCATION	L0001336	VOLUME	490764.875	3610435.558	5.28
LOCATION	L0001337	VOLUME	490765.987	3610432.029	5.21
LOCATION	L0001338	VOLUME	490767.100	3610428.500	5.15
LOCATION	L0001339	VOLUME	490768.213	3610424.972	5.09
LOCATION	L0001340	VOLUME	490769.326	3610421.443	5.03
LOCATION	L0001341	VOLUME	490770.439	3610417.914	4.98
LOCATION	L0001342	VOLUME	490771.551	3610414.385	4.93
LOCATION	L0001343	VOLUME	490772.664	3610410.857	4.91
LOCATION	L0001344	VOLUME	490773.777	3610407.328	4.92
LOCATION	L0001345	VOLUME	490774.890	3610403.799	4.92
LOCATION	L0001346	VOLUME	490776.003	3610400.271	4.93
LOCATION	L0001347	VOLUME	490777.116	3610396.742	4.94
LOCATION	L0001348	VOLUME	490778.228	3610393.213	4.95
LOCATION	L0001349	VOLUME	490779.341	3610389.685	4.97
LOCATION	L0001350	VOLUME	490780.454	3610386.156	4.98
LOCATION	L0001351	VOLUME	490781.567	3610382.627	4.99
LOCATION	L0001352	VOLUME	490782.680	3610379.099	4.98
LOCATION	L0001353	VOLUME	490783.792	3610375.570	4.96
LOCATION	L0001354	VOLUME	490784.905	3610372.041	4.94
LOCATION	L0001355	VOLUME	490786.018	3610368.513	4.92
LOCATION	L0001356	VOLUME	490787.131	3610364.984	4.90
LOCATION	L0001357	VOLUME	490788.244	3610361.455	4.88
LOCATION	L0001358	VOLUME	490789.357	3610357.926	4.85
LOCATION	L0001359	VOLUME	490790.469	3610354.398	4.82
LOCATION	L0001360	VOLUME	490791.582	3610350.869	4.78
LOCATION	L0001361	VOLUME	490792.695	3610347.340	4.77
LOCATION	L0001362	VOLUME	490793.808	3610343.812	4.75
LOCATION	L0001363	VOLUME	490794.921	3610340.283	4.74
LOCATION	L0001364	VOLUME	490796.033	3610336.754	4.73
LOCATION	L0001365	VOLUME	490797.146	3610333.226	4.72
LOCATION	L0001366	VOLUME	490798.259	3610329.697	4.72
LOCATION	L0001367	VOLUME	490799.372	3610326.168	4.72
LOCATION	L0001368	VOLUME	490800.485	3610322.640	4.72
LOCATION	L0001369	VOLUME	490801.598	3610319.111	4.73
LOCATION	L0001370	VOLUME	490802.710	3610315.582	4.72
LOCATION	L0001371	VOLUME	490803.823	3610312.054	4.73
LOCATION	L0001372	VOLUME	490804.936	3610308.525	4.73
LOCATION	L0001373	VOLUME	490806.049	3610304.996	4.74
LOCATION	L0001374	VOLUME	490807.162	3610301.467	4.76
LOCATION	L0001375	VOLUME	490808.275	3610297.939	4.77
LOCATION	L0001376	VOLUME	490809.387	3610294.410	4.79
LOCATION	L0001377	VOLUME	490810.500	3610290.881	4.82
LOCATION	L0001378	VOLUME	490811.613	3610287.353	4.83

LOCATION L0001379	VOLUME	490812.726	3610283.824	4.84
LOCATION L0001380	VOLUME	490813.839	3610280.295	4.85
LOCATION L0001381	VOLUME	490814.951	3610276.767	4.85
LOCATION L0001382	VOLUME	490816.064	3610273.238	4.83
LOCATION L0001383	VOLUME	490817.177	3610269.709	4.81
LOCATION L0001384	VOLUME	490818.290	3610266.181	4.79
LOCATION L0001385	VOLUME	490819.403	3610262.652	4.78
LOCATION L0001386	VOLUME	490820.516	3610259.123	4.76
LOCATION L0001387	VOLUME	490821.628	3610255.595	4.72
LOCATION L0001388	VOLUME	490822.741	3610252.066	4.67
LOCATION L0001389	VOLUME	490823.854	3610248.537	4.63
LOCATION L0001390	VOLUME	490824.967	3610245.008	4.60
LOCATION L0001391	VOLUME	490826.080	3610241.480	4.57
LOCATION L0001392	VOLUME	490827.192	3610237.951	4.54
LOCATION L0001393	VOLUME	490828.305	3610234.422	4.52
LOCATION L0001394	VOLUME	490829.418	3610230.894	4.50
LOCATION L0001395	VOLUME	490830.531	3610227.365	4.49
LOCATION L0001396	VOLUME	490831.644	3610223.836	4.47

** End of LINE VOLUME Source ID = IDLE6

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = TRUCKS1

** DESCRSRC Trucks Arriving/Departing East

** PREFIX

** Length of Side = 9.70

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 6

** 490638.006, 3610290.923, 3.41, 0.00, 4.51

** 490536.041, 3610246.058, 2.93, 0.00, 4.51

** 490483.019, 3610433.674, 2.85, 0.00, 4.51

** 490332.111, 3610376.573, 3.18, 0.00, 4.51

** 490458.548, 3610001.343, 3.24, 0.00, 4.51

** 492612.044, 3610711.018, 25.53, 0.00, 4.51

** -----

LOCATION L0000175	VOLUME	490633.566	3610288.970	3.41
LOCATION L0000176	VOLUME	490624.688	3610285.063	3.36
LOCATION L0000177	VOLUME	490615.809	3610281.157	3.31
LOCATION L0000178	VOLUME	490606.931	3610277.250	3.26
LOCATION L0000179	VOLUME	490598.052	3610273.343	3.21
LOCATION L0000180	VOLUME	490589.174	3610269.437	3.17
LOCATION L0000181	VOLUME	490580.295	3610265.530	3.14
LOCATION L0000182	VOLUME	490571.416	3610261.624	3.10
LOCATION L0000183	VOLUME	490562.538	3610257.717	3.06
LOCATION L0000184	VOLUME	490553.659	3610253.811	3.02
LOCATION L0000185	VOLUME	490544.781	3610249.904	2.98
LOCATION L0000186	VOLUME	490536.000	3610246.204	2.94
LOCATION L0000187	VOLUME	490533.362	3610255.539	2.96

LOCATION	L0000188	VOLUME	490530.724	3610264.873	2.97
LOCATION	L0000189	VOLUME	490528.086	3610274.207	2.99
LOCATION	L0000190	VOLUME	490525.448	3610283.542	3.01
LOCATION	L0000191	VOLUME	490522.810	3610292.876	3.03
LOCATION	L0000192	VOLUME	490520.172	3610302.211	3.02
LOCATION	L0000193	VOLUME	490517.534	3610311.545	3.00
LOCATION	L0000194	VOLUME	490514.896	3610320.879	2.97
LOCATION	L0000195	VOLUME	490512.258	3610330.214	2.93
LOCATION	L0000196	VOLUME	490509.620	3610339.548	2.88
LOCATION	L0000197	VOLUME	490506.982	3610348.883	2.83
LOCATION	L0000198	VOLUME	490504.344	3610358.217	2.77
LOCATION	L0000199	VOLUME	490501.706	3610367.551	2.72
LOCATION	L0000200	VOLUME	490499.068	3610376.886	2.67
LOCATION	L0000201	VOLUME	490496.430	3610386.220	2.63
LOCATION	L0000202	VOLUME	490493.792	3610395.555	2.58
LOCATION	L0000203	VOLUME	490491.154	3610404.889	2.53
LOCATION	L0000204	VOLUME	490488.516	3610414.223	2.51
LOCATION	L0000205	VOLUME	490485.878	3610423.558	2.68
LOCATION	L0000206	VOLUME	490483.240	3610432.892	2.86
LOCATION	L0000207	VOLUME	490474.706	3610430.528	2.78
LOCATION	L0000208	VOLUME	490465.634	3610427.096	2.70
LOCATION	L0000209	VOLUME	490456.562	3610423.663	2.63
LOCATION	L0000210	VOLUME	490447.490	3610420.230	2.60
LOCATION	L0000211	VOLUME	490438.417	3610416.797	2.65
LOCATION	L0000212	VOLUME	490429.345	3610413.364	2.72
LOCATION	L0000213	VOLUME	490420.273	3610409.932	2.80
LOCATION	L0000214	VOLUME	490411.200	3610406.499	2.86
LOCATION	L0000215	VOLUME	490402.128	3610403.066	2.90
LOCATION	L0000216	VOLUME	490393.056	3610399.633	2.91
LOCATION	L0000217	VOLUME	490383.984	3610396.201	2.92
LOCATION	L0000218	VOLUME	490374.911	3610392.768	2.94
LOCATION	L0000219	VOLUME	490365.839	3610389.335	2.97
LOCATION	L0000220	VOLUME	490356.767	3610385.902	3.02
LOCATION	L0000221	VOLUME	490347.695	3610382.470	3.09
LOCATION	L0000222	VOLUME	490338.622	3610379.037	3.14
LOCATION	L0000223	VOLUME	490332.986	3610373.978	3.17
LOCATION	L0000224	VOLUME	490336.083	3610364.786	3.17
LOCATION	L0000225	VOLUME	490339.180	3610355.594	3.17
LOCATION	L0000226	VOLUME	490342.278	3610346.402	3.17
LOCATION	L0000227	VOLUME	490345.375	3610337.209	3.16
LOCATION	L0000228	VOLUME	490348.473	3610328.017	3.19
LOCATION	L0000229	VOLUME	490351.570	3610318.825	3.23
LOCATION	L0000230	VOLUME	490354.667	3610309.633	3.26
LOCATION	L0000231	VOLUME	490357.765	3610300.441	3.27
LOCATION	L0000232	VOLUME	490360.862	3610291.249	3.25
LOCATION	L0000233	VOLUME	490363.959	3610282.056	3.28
LOCATION	L0000234	VOLUME	490367.057	3610272.864	3.32
LOCATION	L0000235	VOLUME	490370.154	3610263.672	3.35
LOCATION	L0000236	VOLUME	490373.251	3610254.480	3.38
LOCATION	L0000237	VOLUME	490376.349	3610245.288	3.43

LOCATION	L0000238	VOLUME	490379.446	3610236.095	3.48
LOCATION	L0000239	VOLUME	490382.544	3610226.903	3.53
LOCATION	L0000240	VOLUME	490385.641	3610217.711	3.53
LOCATION	L0000241	VOLUME	490388.738	3610208.519	3.50
LOCATION	L0000242	VOLUME	490391.836	3610199.327	3.44
LOCATION	L0000243	VOLUME	490394.933	3610190.134	3.40
LOCATION	L0000244	VOLUME	490398.030	3610180.942	3.39
LOCATION	L0000245	VOLUME	490401.128	3610171.750	3.41
LOCATION	L0000246	VOLUME	490404.225	3610162.558	3.40
LOCATION	L0000247	VOLUME	490407.323	3610153.366	3.36
LOCATION	L0000248	VOLUME	490410.420	3610144.174	3.32
LOCATION	L0000249	VOLUME	490413.517	3610134.981	3.29
LOCATION	L0000250	VOLUME	490416.615	3610125.789	3.30
LOCATION	L0000251	VOLUME	490419.712	3610116.597	3.29
LOCATION	L0000252	VOLUME	490422.809	3610107.405	3.26
LOCATION	L0000253	VOLUME	490425.907	3610098.213	3.23
LOCATION	L0000254	VOLUME	490429.004	3610089.020	3.21
LOCATION	L0000255	VOLUME	490432.101	3610079.828	3.19
LOCATION	L0000256	VOLUME	490435.199	3610070.636	3.19
LOCATION	L0000257	VOLUME	490438.296	3610061.444	3.17
LOCATION	L0000258	VOLUME	490441.394	3610052.252	3.13
LOCATION	L0000259	VOLUME	490444.491	3610043.059	3.06
LOCATION	L0000260	VOLUME	490447.588	3610033.867	3.09
LOCATION	L0000261	VOLUME	490450.686	3610024.675	3.14
LOCATION	L0000262	VOLUME	490453.783	3610015.483	3.22
LOCATION	L0000263	VOLUME	490456.880	3610006.291	3.24
LOCATION	L0000264	VOLUME	490462.801	3610002.745	3.25
LOCATION	L0000265	VOLUME	490472.014	3610005.781	3.31
LOCATION	L0000266	VOLUME	490481.227	3610008.817	3.35
LOCATION	L0000267	VOLUME	490490.439	3610011.853	3.36
LOCATION	L0000268	VOLUME	490499.652	3610014.889	3.32
LOCATION	L0000269	VOLUME	490508.865	3610017.925	3.26
LOCATION	L0000270	VOLUME	490518.077	3610020.961	3.22
LOCATION	L0000271	VOLUME	490527.290	3610023.997	3.16
LOCATION	L0000272	VOLUME	490536.503	3610027.033	3.17
LOCATION	L0000273	VOLUME	490545.715	3610030.069	3.20
LOCATION	L0000274	VOLUME	490554.928	3610033.105	3.25
LOCATION	L0000275	VOLUME	490564.141	3610036.141	3.22
LOCATION	L0000276	VOLUME	490573.353	3610039.177	3.24
LOCATION	L0000277	VOLUME	490582.566	3610042.213	3.30
LOCATION	L0000278	VOLUME	490591.778	3610045.249	3.36
LOCATION	L0000279	VOLUME	490600.991	3610048.285	3.37
LOCATION	L0000280	VOLUME	490610.204	3610051.321	3.38
LOCATION	L0000281	VOLUME	490619.416	3610054.356	3.39
LOCATION	L0000282	VOLUME	490628.629	3610057.392	3.43
LOCATION	L0000283	VOLUME	490637.842	3610060.428	3.39
LOCATION	L0000284	VOLUME	490647.054	3610063.464	3.32
LOCATION	L0000285	VOLUME	490656.267	3610066.500	3.27
LOCATION	L0000286	VOLUME	490665.480	3610069.536	3.32
LOCATION	L0000287	VOLUME	490674.692	3610072.572	3.42

LOCATION	L0000288	VOLUME	490683.905	3610075.608	3.50
LOCATION	L0000289	VOLUME	490693.118	3610078.644	3.55
LOCATION	L0000290	VOLUME	490702.330	3610081.680	3.61
LOCATION	L0000291	VOLUME	490711.543	3610084.716	3.67
LOCATION	L0000292	VOLUME	490720.755	3610087.752	3.62
LOCATION	L0000293	VOLUME	490729.968	3610090.788	3.56
LOCATION	L0000294	VOLUME	490739.181	3610093.824	3.50
LOCATION	L0000295	VOLUME	490748.393	3610096.860	3.47
LOCATION	L0000296	VOLUME	490757.606	3610099.896	3.46
LOCATION	L0000297	VOLUME	490766.819	3610102.932	3.47
LOCATION	L0000298	VOLUME	490776.031	3610105.968	3.51
LOCATION	L0000299	VOLUME	490785.244	3610109.004	3.55
LOCATION	L0000300	VOLUME	490794.457	3610112.040	3.60
LOCATION	L0000301	VOLUME	490803.669	3610115.076	3.66
LOCATION	L0000302	VOLUME	490812.882	3610118.112	3.72
LOCATION	L0000303	VOLUME	490822.095	3610121.148	3.74
LOCATION	L0000304	VOLUME	490831.307	3610124.184	3.77
LOCATION	L0000305	VOLUME	490840.520	3610127.220	3.81
LOCATION	L0000306	VOLUME	490849.732	3610130.256	3.98
LOCATION	L0000307	VOLUME	490858.945	3610133.292	4.17
LOCATION	L0000308	VOLUME	490868.158	3610136.328	4.38
LOCATION	L0000309	VOLUME	490877.370	3610139.364	4.60
LOCATION	L0000310	VOLUME	490886.583	3610142.400	4.80
LOCATION	L0000311	VOLUME	490895.796	3610145.436	4.97
LOCATION	L0000312	VOLUME	490905.008	3610148.472	5.16
LOCATION	L0000313	VOLUME	490914.221	3610151.508	5.47
LOCATION	L0000314	VOLUME	490923.434	3610154.544	5.99
LOCATION	L0000315	VOLUME	490932.646	3610157.580	6.63
LOCATION	L0000316	VOLUME	490941.859	3610160.616	7.25
LOCATION	L0000317	VOLUME	490951.072	3610163.652	7.83
LOCATION	L0000318	VOLUME	490960.284	3610166.688	8.35
LOCATION	L0000319	VOLUME	490969.497	3610169.724	8.75
LOCATION	L0000320	VOLUME	490978.709	3610172.760	7.19
LOCATION	L0000321	VOLUME	490987.922	3610175.796	5.19
LOCATION	L0000322	VOLUME	490997.135	3610178.832	3.21
LOCATION	L0000323	VOLUME	491006.347	3610181.868	3.15
LOCATION	L0000324	VOLUME	491015.560	3610184.904	3.11
LOCATION	L0000325	VOLUME	491024.773	3610187.940	3.35
LOCATION	L0000326	VOLUME	491033.985	3610190.976	5.37
LOCATION	L0000327	VOLUME	491043.198	3610194.012	7.42
LOCATION	L0000328	VOLUME	491052.411	3610197.048	8.73
LOCATION	L0000329	VOLUME	491061.623	3610200.084	8.34
LOCATION	L0000330	VOLUME	491070.836	3610203.120	7.99
LOCATION	L0000331	VOLUME	491080.049	3610206.156	7.73
LOCATION	L0000332	VOLUME	491089.261	3610209.192	7.51
LOCATION	L0000333	VOLUME	491098.474	3610212.228	7.30
LOCATION	L0000334	VOLUME	491107.686	3610215.264	7.20
LOCATION	L0000335	VOLUME	491116.899	3610218.300	7.16
LOCATION	L0000336	VOLUME	491126.112	3610221.336	7.13
LOCATION	L0000337	VOLUME	491135.324	3610224.372	7.12

LOCATION	L0000338	VOLUME	491144.537	3610227.408	7.09
LOCATION	L0000339	VOLUME	491153.750	3610230.444	7.09
LOCATION	L0000340	VOLUME	491162.962	3610233.480	7.00
LOCATION	L0000341	VOLUME	491172.175	3610236.516	6.90
LOCATION	L0000342	VOLUME	491181.388	3610239.552	6.84
LOCATION	L0000343	VOLUME	491190.600	3610242.588	7.01
LOCATION	L0000344	VOLUME	491199.813	3610245.624	7.16
LOCATION	L0000345	VOLUME	491209.026	3610248.660	7.25
LOCATION	L0000346	VOLUME	491218.238	3610251.695	7.32
LOCATION	L0000347	VOLUME	491227.451	3610254.731	7.43
LOCATION	L0000348	VOLUME	491236.663	3610257.767	7.55
LOCATION	L0000349	VOLUME	491245.876	3610260.803	7.66
LOCATION	L0000350	VOLUME	491255.089	3610263.839	7.78
LOCATION	L0000351	VOLUME	491264.301	3610266.875	8.02
LOCATION	L0000352	VOLUME	491273.514	3610269.911	8.28
LOCATION	L0000353	VOLUME	491282.727	3610272.947	8.50
LOCATION	L0000354	VOLUME	491291.939	3610275.983	8.53
LOCATION	L0000355	VOLUME	491301.152	3610279.019	8.54
LOCATION	L0000356	VOLUME	491310.365	3610282.055	8.54
LOCATION	L0000357	VOLUME	491319.577	3610285.091	8.69
LOCATION	L0000358	VOLUME	491328.790	3610288.127	8.84
LOCATION	L0000359	VOLUME	491338.003	3610291.163	9.00
LOCATION	L0000360	VOLUME	491347.215	3610294.199	9.10
LOCATION	L0000361	VOLUME	491356.428	3610297.235	9.21
LOCATION	L0000362	VOLUME	491365.640	3610300.271	9.37
LOCATION	L0000363	VOLUME	491374.853	3610303.307	9.56
LOCATION	L0000364	VOLUME	491384.066	3610306.343	9.72
LOCATION	L0000365	VOLUME	491393.278	3610309.379	9.85
LOCATION	L0000366	VOLUME	491402.491	3610312.415	9.96
LOCATION	L0000367	VOLUME	491411.704	3610315.451	10.05
LOCATION	L0000368	VOLUME	491420.916	3610318.487	10.12
LOCATION	L0000369	VOLUME	491430.129	3610321.523	10.23
LOCATION	L0000370	VOLUME	491439.342	3610324.559	10.38
LOCATION	L0000371	VOLUME	491448.554	3610327.595	10.52
LOCATION	L0000372	VOLUME	491457.767	3610330.631	10.66
LOCATION	L0000373	VOLUME	491466.980	3610333.667	10.78
LOCATION	L0000374	VOLUME	491476.192	3610336.703	10.87
LOCATION	L0000375	VOLUME	491485.405	3610339.739	10.95
LOCATION	L0000376	VOLUME	491494.617	3610342.775	11.04
LOCATION	L0000377	VOLUME	491503.830	3610345.811	11.24
LOCATION	L0000378	VOLUME	491513.043	3610348.847	11.47
LOCATION	L0000379	VOLUME	491522.255	3610351.883	11.65
LOCATION	L0000380	VOLUME	491531.468	3610354.919	11.75
LOCATION	L0000381	VOLUME	491540.681	3610357.955	11.85
LOCATION	L0000382	VOLUME	491549.893	3610360.991	12.01
LOCATION	L0000383	VOLUME	491559.106	3610364.027	12.21
LOCATION	L0000384	VOLUME	491568.319	3610367.063	12.40
LOCATION	L0000385	VOLUME	491577.531	3610370.099	12.57
LOCATION	L0000386	VOLUME	491586.744	3610373.135	12.70
LOCATION	L0000387	VOLUME	491595.957	3610376.171	12.78

LOCATION	L0000388	VOLUME	491605.169	3610379.207	12.83
LOCATION	L0000389	VOLUME	491614.382	3610382.243	12.90
LOCATION	L0000390	VOLUME	491623.594	3610385.279	13.00
LOCATION	L0000391	VOLUME	491632.807	3610388.315	13.05
LOCATION	L0000392	VOLUME	491642.020	3610391.351	13.10
LOCATION	L0000393	VOLUME	491651.232	3610394.387	13.17
LOCATION	L0000394	VOLUME	491660.445	3610397.423	13.23
LOCATION	L0000395	VOLUME	491669.658	3610400.459	13.26
LOCATION	L0000396	VOLUME	491678.870	3610403.495	13.34
LOCATION	L0000397	VOLUME	491688.083	3610406.531	13.53
LOCATION	L0000398	VOLUME	491697.296	3610409.567	13.73
LOCATION	L0000399	VOLUME	491706.508	3610412.603	13.86
LOCATION	L0000400	VOLUME	491715.721	3610415.639	13.95
LOCATION	L0000401	VOLUME	491724.934	3610418.675	14.05
LOCATION	L0000402	VOLUME	491734.146	3610421.711	14.13
LOCATION	L0000403	VOLUME	491743.359	3610424.747	14.22
LOCATION	L0000404	VOLUME	491752.571	3610427.783	14.31
LOCATION	L0000405	VOLUME	491761.784	3610430.819	14.49
LOCATION	L0000406	VOLUME	491770.997	3610433.855	14.66
LOCATION	L0000407	VOLUME	491780.209	3610436.891	14.79
LOCATION	L0000408	VOLUME	491789.422	3610439.927	14.91
LOCATION	L0000409	VOLUME	491798.635	3610442.963	15.03
LOCATION	L0000410	VOLUME	491807.847	3610445.999	15.14
LOCATION	L0000411	VOLUME	491817.060	3610449.035	15.20
LOCATION	L0000412	VOLUME	491826.273	3610452.070	15.28
LOCATION	L0000413	VOLUME	491835.485	3610455.106	15.41
LOCATION	L0000414	VOLUME	491844.698	3610458.142	15.57
LOCATION	L0000415	VOLUME	491853.911	3610461.178	15.71
LOCATION	L0000416	VOLUME	491863.123	3610464.214	15.85
LOCATION	L0000417	VOLUME	491872.336	3610467.250	16.01
LOCATION	L0000418	VOLUME	491881.548	3610470.286	16.17
LOCATION	L0000419	VOLUME	491890.761	3610473.322	16.28
LOCATION	L0000420	VOLUME	491899.974	3610476.358	16.38
LOCATION	L0000421	VOLUME	491909.186	3610479.394	16.49
LOCATION	L0000422	VOLUME	491918.399	3610482.430	16.61
LOCATION	L0000423	VOLUME	491927.612	3610485.466	16.76
LOCATION	L0000424	VOLUME	491936.824	3610488.502	16.91
LOCATION	L0000425	VOLUME	491946.037	3610491.538	16.95
LOCATION	L0000426	VOLUME	491955.250	3610494.574	16.97
LOCATION	L0000427	VOLUME	491964.462	3610497.610	17.01
LOCATION	L0000428	VOLUME	491973.675	3610500.646	17.15
LOCATION	L0000429	VOLUME	491982.888	3610503.682	17.27
LOCATION	L0000430	VOLUME	491992.100	3610506.718	17.36
LOCATION	L0000431	VOLUME	492001.313	3610509.754	17.46
LOCATION	L0000432	VOLUME	492010.526	3610512.790	17.59
LOCATION	L0000433	VOLUME	492019.738	3610515.826	17.73
LOCATION	L0000434	VOLUME	492028.951	3610518.862	17.82
LOCATION	L0000435	VOLUME	492038.163	3610521.898	17.86
LOCATION	L0000436	VOLUME	492047.376	3610524.934	17.96
LOCATION	L0000437	VOLUME	492056.589	3610527.970	18.08

LOCATION	L0000438	VOLUME	492065.801	3610531.006	18.20
LOCATION	L0000439	VOLUME	492075.014	3610534.042	18.32
LOCATION	L0000440	VOLUME	492084.227	3610537.078	18.50
LOCATION	L0000441	VOLUME	492093.439	3610540.114	18.69
LOCATION	L0000442	VOLUME	492102.652	3610543.150	18.80
LOCATION	L0000443	VOLUME	492111.865	3610546.186	18.83
LOCATION	L0000444	VOLUME	492121.077	3610549.222	18.83
LOCATION	L0000445	VOLUME	492130.290	3610552.258	18.89
LOCATION	L0000446	VOLUME	492139.503	3610555.294	18.95
LOCATION	L0000447	VOLUME	492148.715	3610558.330	19.05
LOCATION	L0000448	VOLUME	492157.928	3610561.366	19.20
LOCATION	L0000449	VOLUME	492167.140	3610564.402	19.37
LOCATION	L0000450	VOLUME	492176.353	3610567.438	19.48
LOCATION	L0000451	VOLUME	492185.566	3610570.474	19.52
LOCATION	L0000452	VOLUME	492194.778	3610573.510	19.54
LOCATION	L0000453	VOLUME	492203.991	3610576.546	19.58
LOCATION	L0000454	VOLUME	492213.204	3610579.582	19.64
LOCATION	L0000455	VOLUME	492222.416	3610582.618	19.69
LOCATION	L0000456	VOLUME	492231.629	3610585.654	19.87
LOCATION	L0000457	VOLUME	492240.842	3610588.690	20.07
LOCATION	L0000458	VOLUME	492250.054	3610591.726	20.26
LOCATION	L0000459	VOLUME	492259.267	3610594.762	20.39
LOCATION	L0000460	VOLUME	492268.480	3610597.798	20.53
LOCATION	L0000461	VOLUME	492277.692	3610600.834	20.64
LOCATION	L0000462	VOLUME	492286.905	3610603.870	20.72
LOCATION	L0000463	VOLUME	492296.117	3610606.906	20.81
LOCATION	L0000464	VOLUME	492305.330	3610609.942	20.90
LOCATION	L0000465	VOLUME	492314.543	3610612.978	20.96
LOCATION	L0000466	VOLUME	492323.755	3610616.014	20.99
LOCATION	L0000467	VOLUME	492332.968	3610619.050	21.09
LOCATION	L0000468	VOLUME	492342.181	3610622.086	21.26
LOCATION	L0000469	VOLUME	492351.393	3610625.122	21.46
LOCATION	L0000470	VOLUME	492360.606	3610628.158	21.59
LOCATION	L0000471	VOLUME	492369.819	3610631.194	21.69
LOCATION	L0000472	VOLUME	492379.031	3610634.230	21.77
LOCATION	L0000473	VOLUME	492388.244	3610637.266	21.98
LOCATION	L0000474	VOLUME	492397.457	3610640.302	22.21
LOCATION	L0000475	VOLUME	492406.669	3610643.338	22.44
LOCATION	L0000476	VOLUME	492415.882	3610646.374	22.53
LOCATION	L0000477	VOLUME	492425.094	3610649.409	22.60
LOCATION	L0000478	VOLUME	492434.307	3610652.445	22.72
LOCATION	L0000479	VOLUME	492443.520	3610655.481	22.93
LOCATION	L0000480	VOLUME	492452.732	3610658.517	23.13
LOCATION	L0000481	VOLUME	492461.945	3610661.553	23.28
LOCATION	L0000482	VOLUME	492471.158	3610664.589	23.43
LOCATION	L0000483	VOLUME	492480.370	3610667.625	23.60
LOCATION	L0000484	VOLUME	492489.583	3610670.661	23.78
LOCATION	L0000485	VOLUME	492498.796	3610673.697	23.94
LOCATION	L0000486	VOLUME	492508.008	3610676.733	24.09
LOCATION	L0000487	VOLUME	492517.221	3610679.769	24.29

LOCATION L0000488	VOLUME	492526.434	3610682.805	24.49
LOCATION L0000489	VOLUME	492535.646	3610685.841	24.70
LOCATION L0000490	VOLUME	492544.859	3610688.877	24.82
LOCATION L0000491	VOLUME	492554.071	3610691.913	24.95
LOCATION L0000492	VOLUME	492563.284	3610694.949	25.07
LOCATION L0000493	VOLUME	492572.497	3610697.985	25.10
LOCATION L0000494	VOLUME	492581.709	3610701.021	25.13
LOCATION L0000495	VOLUME	492590.922	3610704.057	25.31
LOCATION L0000496	VOLUME	492600.135	3610707.093	25.59
LOCATION L0000497	VOLUME	492609.347	3610710.129	25.74

** End of LINE VOLUME Source ID = TRUCKS1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = TRUCKS3

** DESCRSRC Trucks Departing South

** PREFIX

** Length of Side = 9.70

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 11

** 490539.203,	3610234.194,	2.89,	0.00,	4.51
** 490485.831,	3610437.981,	3.02,	0.00,	4.51
** 490306.305,	3610370.052,	3.30,	0.00,	4.51
** 490694.469,	3609341.417,	3.75,	0.00,	4.51
** 490757.546,	3609292.897,	4.27,	0.00,	4.51
** 491097.189,	3609360.825,	3.94,	0.00,	4.51
** 491165.118,	3609283.193,	4.17,	0.00,	4.51
** 491291.271,	3609191.004,	7.40,	0.00,	4.51
** 491334.940,	3609030.886,	6.15,	0.00,	4.51
** 491371.330,	3608691.242,	13.72,	0.00,	4.51
** 491390.738,	3608356.451,	8.78,	0.00,	4.51

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LOCATION L0000498	VOLUME	490537.975	3610238.886	2.93
LOCATION L0000499	VOLUME	490535.517	3610248.270	2.95
LOCATION L0000500	VOLUME	490533.060	3610257.653	2.96
LOCATION L0000501	VOLUME	490530.602	3610267.037	2.98
LOCATION L0000502	VOLUME	490528.144	3610276.420	2.99
LOCATION L0000503	VOLUME	490525.687	3610285.804	3.02
LOCATION L0000504	VOLUME	490523.229	3610295.187	3.03
LOCATION L0000505	VOLUME	490520.772	3610304.571	3.02
LOCATION L0000506	VOLUME	490518.314	3610313.954	3.00
LOCATION L0000507	VOLUME	490515.856	3610323.338	2.97
LOCATION L0000508	VOLUME	490513.399	3610332.721	2.93
LOCATION L0000509	VOLUME	490510.941	3610342.105	2.89
LOCATION L0000510	VOLUME	490508.484	3610351.488	2.84
LOCATION L0000511	VOLUME	490506.026	3610360.872	2.79
LOCATION L0000512	VOLUME	490503.568	3610370.255	2.73
LOCATION L0000513	VOLUME	490501.111	3610379.639	2.68

LOCATION	L0000514	VOLUME	490498.653	3610389.022	2.64
LOCATION	L0000515	VOLUME	490496.196	3610398.406	2.60
LOCATION	L0000516	VOLUME	490493.738	3610407.789	2.55
LOCATION	L0000517	VOLUME	490491.281	3610417.173	2.59
LOCATION	L0000518	VOLUME	490488.823	3610426.556	2.75
LOCATION	L0000519	VOLUME	490486.365	3610435.940	2.93
LOCATION	L0000520	VOLUME	490478.732	3610435.294	2.89
LOCATION	L0000521	VOLUME	490469.659	3610431.862	2.81
LOCATION	L0000522	VOLUME	490460.587	3610428.429	2.74
LOCATION	L0000523	VOLUME	490451.515	3610424.996	2.67
LOCATION	L0000524	VOLUME	490442.442	3610421.563	2.69
LOCATION	L0000525	VOLUME	490433.370	3610418.131	2.75
LOCATION	L0000526	VOLUME	490424.298	3610414.698	2.81
LOCATION	L0000527	VOLUME	490415.226	3610411.265	2.88
LOCATION	L0000528	VOLUME	490406.153	3610407.832	2.94
LOCATION	L0000529	VOLUME	490397.081	3610404.400	2.97
LOCATION	L0000530	VOLUME	490388.009	3610400.967	2.96
LOCATION	L0000531	VOLUME	490378.937	3610397.534	2.97
LOCATION	L0000532	VOLUME	490369.864	3610394.101	2.99
LOCATION	L0000533	VOLUME	490360.792	3610390.669	3.02
LOCATION	L0000534	VOLUME	490351.720	3610387.236	3.07
LOCATION	L0000535	VOLUME	490342.647	3610383.803	3.12
LOCATION	L0000536	VOLUME	490333.575	3610380.370	3.16
LOCATION	L0000537	VOLUME	490324.503	3610376.938	3.20
LOCATION	L0000538	VOLUME	490315.431	3610373.505	3.25
LOCATION	L0000539	VOLUME	490306.358	3610370.072	3.30
LOCATION	L0000540	VOLUME	490309.710	3610361.030	3.31
LOCATION	L0000541	VOLUME	490313.134	3610351.955	3.32
LOCATION	L0000542	VOLUME	490316.559	3610342.879	3.34
LOCATION	L0000543	VOLUME	490319.984	3610333.804	3.36
LOCATION	L0000544	VOLUME	490323.408	3610324.729	3.37
LOCATION	L0000545	VOLUME	490326.833	3610315.653	3.38
LOCATION	L0000546	VOLUME	490330.258	3610306.578	3.39
LOCATION	L0000547	VOLUME	490333.682	3610297.503	3.40
LOCATION	L0000548	VOLUME	490337.107	3610288.427	3.41
LOCATION	L0000549	VOLUME	490340.531	3610279.352	3.45
LOCATION	L0000550	VOLUME	490343.956	3610270.277	3.50
LOCATION	L0000551	VOLUME	490347.381	3610261.201	3.55
LOCATION	L0000552	VOLUME	490350.805	3610252.126	3.56
LOCATION	L0000553	VOLUME	490354.230	3610243.050	3.55
LOCATION	L0000554	VOLUME	490357.655	3610233.975	3.55
LOCATION	L0000555	VOLUME	490361.079	3610224.900	3.55
LOCATION	L0000556	VOLUME	490364.504	3610215.824	3.57
LOCATION	L0000557	VOLUME	490367.929	3610206.749	3.59
LOCATION	L0000558	VOLUME	490371.353	3610197.674	3.62
LOCATION	L0000559	VOLUME	490374.778	3610188.598	3.57
LOCATION	L0000560	VOLUME	490378.203	3610179.523	3.53
LOCATION	L0000561	VOLUME	490381.627	3610170.448	3.49
LOCATION	L0000562	VOLUME	490385.052	3610161.372	3.46
LOCATION	L0000563	VOLUME	490388.477	3610152.297	3.40

LOCATION	L0000564	VOLUME	490391.901	3610143.222	3.33
LOCATION	L0000565	VOLUME	490395.326	3610134.146	3.27
LOCATION	L0000566	VOLUME	490398.751	3610125.071	3.28
LOCATION	L0000567	VOLUME	490402.175	3610115.996	3.31
LOCATION	L0000568	VOLUME	490405.600	3610106.920	3.33
LOCATION	L0000569	VOLUME	490409.025	3610097.845	3.29
LOCATION	L0000570	VOLUME	490412.449	3610088.770	3.24
LOCATION	L0000571	VOLUME	490415.874	3610079.694	3.19
LOCATION	L0000572	VOLUME	490419.299	3610070.619	3.16
LOCATION	L0000573	VOLUME	490422.723	3610061.544	3.18
LOCATION	L0000574	VOLUME	490426.148	3610052.468	3.20
LOCATION	L0000575	VOLUME	490429.573	3610043.393	3.20
LOCATION	L0000576	VOLUME	490432.997	3610034.318	3.19
LOCATION	L0000577	VOLUME	490436.422	3610025.242	3.20
LOCATION	L0000578	VOLUME	490439.846	3610016.167	3.22
LOCATION	L0000579	VOLUME	490443.271	3610007.092	3.22
LOCATION	L0000580	VOLUME	490446.696	3609998.016	3.20
LOCATION	L0000581	VOLUME	490450.120	3609988.941	3.17
LOCATION	L0000582	VOLUME	490453.545	3609979.866	3.17
LOCATION	L0000583	VOLUME	490456.970	3609970.790	3.23
LOCATION	L0000584	VOLUME	490460.394	3609961.715	3.28
LOCATION	L0000585	VOLUME	490463.819	3609952.640	3.31
LOCATION	L0000586	VOLUME	490467.244	3609943.564	3.30
LOCATION	L0000587	VOLUME	490470.668	3609934.489	3.27
LOCATION	L0000588	VOLUME	490474.093	3609925.414	3.21
LOCATION	L0000589	VOLUME	490477.518	3609916.338	3.18
LOCATION	L0000590	VOLUME	490480.942	3609907.263	3.17
LOCATION	L0000591	VOLUME	490484.367	3609898.188	3.16
LOCATION	L0000592	VOLUME	490487.792	3609889.112	3.14
LOCATION	L0000593	VOLUME	490491.216	3609880.037	3.17
LOCATION	L0000594	VOLUME	490494.641	3609870.962	3.22
LOCATION	L0000595	VOLUME	490498.066	3609861.886	3.29
LOCATION	L0000596	VOLUME	490501.490	3609852.811	3.33
LOCATION	L0000597	VOLUME	490504.915	3609843.736	3.34
LOCATION	L0000598	VOLUME	490508.340	3609834.660	3.33
LOCATION	L0000599	VOLUME	490511.764	3609825.585	3.34
LOCATION	L0000600	VOLUME	490515.189	3609816.510	3.38
LOCATION	L0000601	VOLUME	490518.614	3609807.434	3.44
LOCATION	L0000602	VOLUME	490522.038	3609798.359	3.52
LOCATION	L0000603	VOLUME	490525.463	3609789.284	3.59
LOCATION	L0000604	VOLUME	490528.888	3609780.208	3.66
LOCATION	L0000605	VOLUME	490532.312	3609771.133	3.67
LOCATION	L0000606	VOLUME	490535.737	3609762.058	3.68
LOCATION	L0000607	VOLUME	490539.161	3609752.982	3.70
LOCATION	L0000608	VOLUME	490542.586	3609743.907	3.73
LOCATION	L0000609	VOLUME	490546.011	3609734.832	3.77
LOCATION	L0000610	VOLUME	490549.435	3609725.756	3.78
LOCATION	L0000611	VOLUME	490552.860	3609716.681	3.81
LOCATION	L0000612	VOLUME	490556.285	3609707.606	3.84
LOCATION	L0000613	VOLUME	490559.709	3609698.530	3.78

LOCATION	L0000614	VOLUME	490563.134	3609689.455	3.70
LOCATION	L0000615	VOLUME	490566.559	3609680.380	3.64
LOCATION	L0000616	VOLUME	490569.983	3609671.304	3.60
LOCATION	L0000617	VOLUME	490573.408	3609662.229	3.56
LOCATION	L0000618	VOLUME	490576.833	3609653.154	3.52
LOCATION	L0000619	VOLUME	490580.257	3609644.078	3.48
LOCATION	L0000620	VOLUME	490583.682	3609635.003	3.41
LOCATION	L0000621	VOLUME	490587.107	3609625.928	3.39
LOCATION	L0000622	VOLUME	490590.531	3609616.852	3.42
LOCATION	L0000623	VOLUME	490593.956	3609607.777	3.45
LOCATION	L0000624	VOLUME	490597.381	3609598.702	3.45
LOCATION	L0000625	VOLUME	490600.805	3609589.626	3.46
LOCATION	L0000626	VOLUME	490604.230	3609580.551	3.50
LOCATION	L0000627	VOLUME	490607.655	3609571.476	3.59
LOCATION	L0000628	VOLUME	490611.079	3609562.400	3.65
LOCATION	L0000629	VOLUME	490614.504	3609553.325	3.65
LOCATION	L0000630	VOLUME	490617.929	3609544.250	3.63
LOCATION	L0000631	VOLUME	490621.353	3609535.174	3.63
LOCATION	L0000632	VOLUME	490624.778	3609526.099	3.68
LOCATION	L0000633	VOLUME	490628.203	3609517.024	3.73
LOCATION	L0000634	VOLUME	490631.627	3609507.948	3.73
LOCATION	L0000635	VOLUME	490635.052	3609498.873	3.70
LOCATION	L0000636	VOLUME	490638.476	3609489.798	3.65
LOCATION	L0000637	VOLUME	490641.901	3609480.722	3.57
LOCATION	L0000638	VOLUME	490645.326	3609471.647	3.49
LOCATION	L0000639	VOLUME	490648.750	3609462.572	3.40
LOCATION	L0000640	VOLUME	490652.175	3609453.496	3.32
LOCATION	L0000641	VOLUME	490655.600	3609444.421	3.30
LOCATION	L0000642	VOLUME	490659.024	3609435.346	3.32
LOCATION	L0000643	VOLUME	490662.449	3609426.270	3.36
LOCATION	L0000644	VOLUME	490665.874	3609417.195	3.39
LOCATION	L0000645	VOLUME	490669.298	3609408.120	3.37
LOCATION	L0000646	VOLUME	490672.723	3609399.044	3.30
LOCATION	L0000647	VOLUME	490676.148	3609389.969	3.28
LOCATION	L0000648	VOLUME	490679.572	3609380.894	3.33
LOCATION	L0000649	VOLUME	490682.997	3609371.818	3.41
LOCATION	L0000650	VOLUME	490686.422	3609362.743	3.52
LOCATION	L0000651	VOLUME	490689.846	3609353.668	3.59
LOCATION	L0000652	VOLUME	490693.271	3609344.592	3.66
LOCATION	L0000653	VOLUME	490699.468	3609337.572	3.70
LOCATION	L0000654	VOLUME	490707.156	3609331.658	3.73
LOCATION	L0000655	VOLUME	490714.845	3609325.744	3.77
LOCATION	L0000656	VOLUME	490722.533	3609319.829	3.81
LOCATION	L0000657	VOLUME	490730.222	3609313.915	3.85
LOCATION	L0000658	VOLUME	490737.910	3609308.001	3.90
LOCATION	L0000659	VOLUME	490745.598	3609302.087	3.91
LOCATION	L0000660	VOLUME	490753.287	3609296.173	3.95
LOCATION	L0000661	VOLUME	490761.789	3609293.745	3.95
LOCATION	L0000662	VOLUME	490771.300	3609295.648	3.80
LOCATION	L0000663	VOLUME	490780.812	3609297.550	3.65

LOCATION	L0000664	VOLUME	490790.324	3609299.452	3.50
LOCATION	L0000665	VOLUME	490799.835	3609301.355	3.35
LOCATION	L0000666	VOLUME	490809.347	3609303.257	3.20
LOCATION	L0000667	VOLUME	490818.858	3609305.159	3.10
LOCATION	L0000668	VOLUME	490828.370	3609307.062	3.06
LOCATION	L0000669	VOLUME	490837.882	3609308.964	3.01
LOCATION	L0000670	VOLUME	490847.393	3609310.866	2.96
LOCATION	L0000671	VOLUME	490856.905	3609312.769	2.92
LOCATION	L0000672	VOLUME	490866.417	3609314.671	2.88
LOCATION	L0000673	VOLUME	490875.928	3609316.573	2.92
LOCATION	L0000674	VOLUME	490885.440	3609318.476	2.94
LOCATION	L0000675	VOLUME	490894.952	3609320.378	2.97
LOCATION	L0000676	VOLUME	490904.463	3609322.280	2.99
LOCATION	L0000677	VOLUME	490913.975	3609324.182	3.00
LOCATION	L0000678	VOLUME	490923.486	3609326.085	3.01
LOCATION	L0000679	VOLUME	490932.998	3609327.987	3.01
LOCATION	L0000680	VOLUME	490942.510	3609329.889	2.99
LOCATION	L0000681	VOLUME	490952.021	3609331.792	3.06
LOCATION	L0000682	VOLUME	490961.533	3609333.694	3.17
LOCATION	L0000683	VOLUME	490971.045	3609335.596	3.28
LOCATION	L0000684	VOLUME	490980.556	3609337.499	3.28
LOCATION	L0000685	VOLUME	490990.068	3609339.401	3.28
LOCATION	L0000686	VOLUME	490999.579	3609341.303	3.30
LOCATION	L0000687	VOLUME	491009.091	3609343.206	3.36
LOCATION	L0000688	VOLUME	491018.603	3609345.108	3.40
LOCATION	L0000689	VOLUME	491028.114	3609347.010	3.39
LOCATION	L0000690	VOLUME	491037.626	3609348.913	3.36
LOCATION	L0000691	VOLUME	491047.138	3609350.815	3.35
LOCATION	L0000692	VOLUME	491056.649	3609352.717	3.41
LOCATION	L0000693	VOLUME	491066.161	3609354.620	3.50
LOCATION	L0000694	VOLUME	491075.673	3609356.522	3.61
LOCATION	L0000695	VOLUME	491085.184	3609358.424	3.76
LOCATION	L0000696	VOLUME	491094.696	3609360.327	3.89
LOCATION	L0000697	VOLUME	491101.902	3609355.439	3.99
LOCATION	L0000698	VOLUME	491108.290	3609348.139	4.00
LOCATION	L0000699	VOLUME	491114.677	3609340.839	4.01
LOCATION	L0000700	VOLUME	491121.065	3609333.539	4.01
LOCATION	L0000701	VOLUME	491127.452	3609326.239	4.06
LOCATION	L0000702	VOLUME	491133.840	3609318.939	3.70
LOCATION	L0000703	VOLUME	491140.227	3609311.639	3.01
LOCATION	L0000704	VOLUME	491146.615	3609304.339	2.00
LOCATION	L0000705	VOLUME	491153.002	3609297.039	1.94
LOCATION	L0000706	VOLUME	491159.390	3609289.739	2.98
LOCATION	L0000707	VOLUME	491165.926	3609282.602	3.65
LOCATION	L0000708	VOLUME	491173.758	3609276.879	3.91
LOCATION	L0000709	VOLUME	491181.590	3609271.156	3.96
LOCATION	L0000710	VOLUME	491189.421	3609265.432	4.13
LOCATION	L0000711	VOLUME	491197.253	3609259.709	4.18
LOCATION	L0000712	VOLUME	491205.085	3609253.986	4.12
LOCATION	L0000713	VOLUME	491212.916	3609248.263	4.22

LOCATION	L0000714	VOLUME	491220.748	3609242.540	4.24
LOCATION	L0000715	VOLUME	491228.580	3609236.817	4.43
LOCATION	L0000716	VOLUME	491236.412	3609231.093	4.74
LOCATION	L0000717	VOLUME	491244.243	3609225.370	4.97
LOCATION	L0000718	VOLUME	491252.075	3609219.647	5.08
LOCATION	L0000719	VOLUME	491259.907	3609213.924	5.64
LOCATION	L0000720	VOLUME	491267.738	3609208.201	7.00
LOCATION	L0000721	VOLUME	491275.570	3609202.478	7.80
LOCATION	L0000722	VOLUME	491283.402	3609196.754	8.07
LOCATION	L0000723	VOLUME	491291.233	3609191.031	8.42
LOCATION	L0000724	VOLUME	491293.811	3609181.691	7.90
LOCATION	L0000725	VOLUME	491296.363	3609172.333	8.18
LOCATION	L0000726	VOLUME	491298.916	3609162.974	8.48
LOCATION	L0000727	VOLUME	491301.468	3609153.616	8.70
LOCATION	L0000728	VOLUME	491304.020	3609144.258	8.47
LOCATION	L0000729	VOLUME	491306.572	3609134.900	7.75
LOCATION	L0000730	VOLUME	491309.125	3609125.541	6.77
LOCATION	L0000731	VOLUME	491311.677	3609116.183	6.33
LOCATION	L0000732	VOLUME	491314.229	3609106.825	6.64
LOCATION	L0000733	VOLUME	491316.781	3609097.467	6.93
LOCATION	L0000734	VOLUME	491319.334	3609088.109	7.20
LOCATION	L0000735	VOLUME	491321.886	3609078.750	7.25
LOCATION	L0000736	VOLUME	491324.438	3609069.392	7.06
LOCATION	L0000737	VOLUME	491326.990	3609060.034	6.63
LOCATION	L0000738	VOLUME	491329.543	3609050.676	6.35
LOCATION	L0000739	VOLUME	491332.095	3609041.318	6.22
LOCATION	L0000740	VOLUME	491334.647	3609031.959	6.15
LOCATION	L0000741	VOLUME	491335.855	3609022.347	6.18
LOCATION	L0000742	VOLUME	491336.888	3609012.703	6.26
LOCATION	L0000743	VOLUME	491337.921	3609003.058	6.31
LOCATION	L0000744	VOLUME	491338.955	3608993.413	6.33
LOCATION	L0000745	VOLUME	491339.988	3608983.768	6.34
LOCATION	L0000746	VOLUME	491341.021	3608974.123	6.31
LOCATION	L0000747	VOLUME	491342.055	3608964.479	6.26
LOCATION	L0000748	VOLUME	491343.088	3608954.834	6.19
LOCATION	L0000749	VOLUME	491344.122	3608945.189	6.11
LOCATION	L0000750	VOLUME	491345.155	3608935.544	6.04
LOCATION	L0000751	VOLUME	491346.188	3608925.899	6.20
LOCATION	L0000752	VOLUME	491347.222	3608916.255	6.41
LOCATION	L0000753	VOLUME	491348.255	3608906.610	6.63
LOCATION	L0000754	VOLUME	491349.288	3608896.965	6.78
LOCATION	L0000755	VOLUME	491350.322	3608887.320	6.92
LOCATION	L0000756	VOLUME	491351.355	3608877.675	7.07
LOCATION	L0000757	VOLUME	491352.389	3608868.031	7.29
LOCATION	L0000758	VOLUME	491353.422	3608858.386	7.61
LOCATION	L0000759	VOLUME	491354.455	3608848.741	7.93
LOCATION	L0000760	VOLUME	491355.489	3608839.096	8.30
LOCATION	L0000761	VOLUME	491356.522	3608829.451	8.81
LOCATION	L0000762	VOLUME	491357.555	3608819.807	9.35
LOCATION	L0000763	VOLUME	491358.589	3608810.162	9.90

LOCATION	L0000764	VOLUME	491359.622	3608800.517	10.32
LOCATION	L0000765	VOLUME	491360.656	3608790.872	10.76
LOCATION	L0000766	VOLUME	491361.689	3608781.227	11.03
LOCATION	L0000767	VOLUME	491362.722	3608771.583	11.31
LOCATION	L0000768	VOLUME	491363.756	3608761.938	11.59
LOCATION	L0000769	VOLUME	491364.789	3608752.293	11.86
LOCATION	L0000770	VOLUME	491365.822	3608742.648	12.11
LOCATION	L0000771	VOLUME	491366.856	3608733.003	12.36
LOCATION	L0000772	VOLUME	491367.889	3608723.359	12.60
LOCATION	L0000773	VOLUME	491368.922	3608713.714	12.86
LOCATION	L0000774	VOLUME	491369.956	3608704.069	13.16
LOCATION	L0000775	VOLUME	491370.989	3608694.424	13.46
LOCATION	L0000776	VOLUME	491371.706	3608684.753	13.85
LOCATION	L0000777	VOLUME	491372.268	3608675.070	14.36
LOCATION	L0000778	VOLUME	491372.829	3608665.386	14.90
LOCATION	L0000779	VOLUME	491373.390	3608655.702	15.44
LOCATION	L0000780	VOLUME	491373.952	3608646.018	15.80
LOCATION	L0000781	VOLUME	491374.513	3608636.335	16.18
LOCATION	L0000782	VOLUME	491375.075	3608626.651	16.58
LOCATION	L0000783	VOLUME	491375.636	3608616.967	16.59
LOCATION	L0000784	VOLUME	491376.197	3608607.283	16.58
LOCATION	L0000785	VOLUME	491376.759	3608597.600	16.57
LOCATION	L0000786	VOLUME	491377.320	3608587.916	16.32
LOCATION	L0000787	VOLUME	491377.881	3608578.232	16.01
LOCATION	L0000788	VOLUME	491378.443	3608568.548	15.70
LOCATION	L0000789	VOLUME	491379.004	3608558.865	15.05
LOCATION	L0000790	VOLUME	491379.566	3608549.181	14.23
LOCATION	L0000791	VOLUME	491380.127	3608539.497	13.51
LOCATION	L0000792	VOLUME	491380.688	3608529.814	13.08
LOCATION	L0000793	VOLUME	491381.250	3608520.130	12.95
LOCATION	L0000794	VOLUME	491381.811	3608510.446	12.80
LOCATION	L0000795	VOLUME	491382.372	3608500.762	12.63
LOCATION	L0000796	VOLUME	491382.934	3608491.079	12.42
LOCATION	L0000797	VOLUME	491383.495	3608481.395	12.20
LOCATION	L0000798	VOLUME	491384.057	3608471.711	11.97
LOCATION	L0000799	VOLUME	491384.618	3608462.027	11.70
LOCATION	L0000800	VOLUME	491385.179	3608452.344	11.42
LOCATION	L0000801	VOLUME	491385.741	3608442.660	11.12
LOCATION	L0000802	VOLUME	491386.302	3608432.976	10.92
LOCATION	L0000803	VOLUME	491386.863	3608423.292	10.71
LOCATION	L0000804	VOLUME	491387.425	3608413.609	10.44
LOCATION	L0000805	VOLUME	491387.986	3608403.925	10.17
LOCATION	L0000806	VOLUME	491388.548	3608394.241	9.89
LOCATION	L0000807	VOLUME	491389.109	3608384.557	9.63
LOCATION	L0000808	VOLUME	491389.670	3608374.874	9.40
LOCATION	L0000809	VOLUME	491390.232	3608365.190	9.18

** End of LINE VOLUME Source ID = TRUCKS3

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = TRUCKS2

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** DESCRSRC Trucks arriving/departing North
** PREFIX
** Length of Side = 9.70
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 13
** 490545.407, 3610254.098, 3.03, 0.00, 4.51
** 490498.394, 3610442.150, 3.09, 0.00, 4.51
** 490843.157, 3610548.223, 6.80, 0.00, 4.51
** 490762.956, 3610779.201, 9.44, 0.00, 4.51
** 490690.776, 3610937.999, 9.79, 0.00, 4.51
** 490679.547, 3610957.247, 9.59, 0.00, 4.51
** 490575.286, 3611018.200, 8.08, 0.00, 4.51
** 490480.650, 3611295.694, 6.16, 0.00, 4.51
** 490493.482, 3611454.492, 6.15, 0.00, 4.51
** 490483.858, 3611582.813, 5.76, 0.00, 4.51
** 490387.617, 3611895.596, 9.47, 0.00, 4.51
** 490368.369, 3612065.621, 5.36, 0.00, 4.51
** 490339.496, 3612286.975, 4.04, 0.00, 4.51
**

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LOCATION	L0000810	VOLUME	490544.231	3610258.803	3.00
LOCATION	L0000811	VOLUME	490541.878	3610268.213	3.02
LOCATION	L0000812	VOLUME	490539.526	3610277.624	3.03
LOCATION	L0000813	VOLUME	490537.173	3610287.034	3.04
LOCATION	L0000814	VOLUME	490534.821	3610296.444	3.05
LOCATION	L0000815	VOLUME	490532.468	3610305.855	3.07
LOCATION	L0000816	VOLUME	490530.116	3610315.265	3.08
LOCATION	L0000817	VOLUME	490527.763	3610324.676	3.08
LOCATION	L0000818	VOLUME	490525.410	3610334.086	3.06
LOCATION	L0000819	VOLUME	490523.058	3610343.496	3.03
LOCATION	L0000820	VOLUME	490520.705	3610352.907	2.99
LOCATION	L0000821	VOLUME	490518.353	3610362.317	2.92
LOCATION	L0000822	VOLUME	490516.000	3610371.727	2.86
LOCATION	L0000823	VOLUME	490513.647	3610381.138	2.80
LOCATION	L0000824	VOLUME	490511.295	3610390.548	2.75
LOCATION	L0000825	VOLUME	490508.942	3610399.959	2.71
LOCATION	L0000826	VOLUME	490506.590	3610409.369	2.66
LOCATION	L0000827	VOLUME	490504.237	3610418.779	2.72
LOCATION	L0000828	VOLUME	490501.884	3610428.190	2.85
LOCATION	L0000829	VOLUME	490499.532	3610437.600	3.00
LOCATION	L0000830	VOLUME	490503.182	3610443.624	3.09
LOCATION	L0000831	VOLUME	490512.454	3610446.476	3.00
LOCATION	L0000832	VOLUME	490521.725	3610449.328	2.93
LOCATION	L0000833	VOLUME	490530.996	3610452.181	2.92
LOCATION	L0000834	VOLUME	490540.267	3610455.033	3.07
LOCATION	L0000835	VOLUME	490549.538	3610457.886	3.23
LOCATION	L0000836	VOLUME	490558.809	3610460.738	3.36
LOCATION	L0000837	VOLUME	490568.080	3610463.591	3.45

LOCATION	L0000838	VOLUME	490577.351	3610466.443	3.53
LOCATION	L0000839	VOLUME	490586.622	3610469.295	3.53
LOCATION	L0000840	VOLUME	490595.894	3610472.148	3.44
LOCATION	L0000841	VOLUME	490605.165	3610475.000	3.31
LOCATION	L0000842	VOLUME	490614.436	3610477.853	3.39
LOCATION	L0000843	VOLUME	490623.707	3610480.705	3.50
LOCATION	L0000844	VOLUME	490632.978	3610483.558	3.62
LOCATION	L0000845	VOLUME	490642.249	3610486.410	3.75
LOCATION	L0000846	VOLUME	490651.520	3610489.263	3.88
LOCATION	L0000847	VOLUME	490660.791	3610492.115	4.01
LOCATION	L0000848	VOLUME	490670.063	3610494.967	4.15
LOCATION	L0000849	VOLUME	490679.334	3610497.820	4.27
LOCATION	L0000850	VOLUME	490688.605	3610500.672	4.39
LOCATION	L0000851	VOLUME	490697.876	3610503.525	4.53
LOCATION	L0000852	VOLUME	490707.147	3610506.377	4.67
LOCATION	L0000853	VOLUME	490716.418	3610509.230	4.80
LOCATION	L0000854	VOLUME	490725.689	3610512.082	4.92
LOCATION	L0000855	VOLUME	490734.960	3610514.935	5.04
LOCATION	L0000856	VOLUME	490744.231	3610517.787	5.15
LOCATION	L0000857	VOLUME	490753.503	3610520.639	5.28
LOCATION	L0000858	VOLUME	490762.774	3610523.492	5.41
LOCATION	L0000859	VOLUME	490772.045	3610526.344	5.47
LOCATION	L0000860	VOLUME	490781.316	3610529.197	5.51
LOCATION	L0000861	VOLUME	490790.587	3610532.049	5.56
LOCATION	L0000862	VOLUME	490799.858	3610534.902	5.68
LOCATION	L0000863	VOLUME	490809.129	3610537.754	5.83
LOCATION	L0000864	VOLUME	490818.400	3610540.606	6.06
LOCATION	L0000865	VOLUME	490827.672	3610543.459	6.44
LOCATION	L0000866	VOLUME	490836.943	3610546.311	6.81
LOCATION	L0000867	VOLUME	490842.108	3610551.245	7.01
LOCATION	L0000868	VOLUME	490838.926	3610560.408	7.16
LOCATION	L0000869	VOLUME	490835.745	3610569.571	7.09
LOCATION	L0000870	VOLUME	490832.563	3610578.735	6.75
LOCATION	L0000871	VOLUME	490829.381	3610587.898	6.60
LOCATION	L0000872	VOLUME	490826.199	3610597.061	6.64
LOCATION	L0000873	VOLUME	490823.018	3610606.225	6.96
LOCATION	L0000874	VOLUME	490819.836	3610615.388	7.31
LOCATION	L0000875	VOLUME	490816.654	3610624.551	7.69
LOCATION	L0000876	VOLUME	490813.473	3610633.715	7.60
LOCATION	L0000877	VOLUME	490810.291	3610642.878	7.32
LOCATION	L0000878	VOLUME	490807.109	3610652.041	7.20
LOCATION	L0000879	VOLUME	490803.927	3610661.205	7.22
LOCATION	L0000880	VOLUME	490800.746	3610670.368	7.30
LOCATION	L0000881	VOLUME	490797.564	3610679.531	7.50
LOCATION	L0000882	VOLUME	490794.382	3610688.695	7.83
LOCATION	L0000883	VOLUME	490791.201	3610697.858	8.32
LOCATION	L0000884	VOLUME	490788.019	3610707.021	8.66
LOCATION	L0000885	VOLUME	490784.837	3610716.185	8.74
LOCATION	L0000886	VOLUME	490781.655	3610725.348	8.33
LOCATION	L0000887	VOLUME	490778.474	3610734.511	7.70

LOCATION	L0000888	VOLUME	490775.292	3610743.675	7.38
LOCATION	L0000889	VOLUME	490772.110	3610752.838	7.46
LOCATION	L0000890	VOLUME	490768.929	3610762.001	8.12
LOCATION	L0000891	VOLUME	490765.747	3610771.165	8.83
LOCATION	L0000892	VOLUME	490762.463	3610780.287	9.43
LOCATION	L0000893	VOLUME	490758.449	3610789.118	8.74
LOCATION	L0000894	VOLUME	490754.435	3610797.948	8.17
LOCATION	L0000895	VOLUME	490750.421	3610806.779	7.97
LOCATION	L0000896	VOLUME	490746.407	3610815.609	8.17
LOCATION	L0000897	VOLUME	490742.393	3610824.440	8.65
LOCATION	L0000898	VOLUME	490738.379	3610833.270	9.30
LOCATION	L0000899	VOLUME	490734.366	3610842.101	9.50
LOCATION	L0000900	VOLUME	490730.352	3610850.931	9.02
LOCATION	L0000901	VOLUME	490726.338	3610859.762	8.67
LOCATION	L0000902	VOLUME	490722.324	3610868.593	8.61
LOCATION	L0000903	VOLUME	490718.310	3610877.423	8.79
LOCATION	L0000904	VOLUME	490714.296	3610886.254	9.15
LOCATION	L0000905	VOLUME	490710.282	3610895.084	9.55
LOCATION	L0000906	VOLUME	490706.268	3610903.915	9.51
LOCATION	L0000907	VOLUME	490702.254	3610912.745	9.62
LOCATION	L0000908	VOLUME	490698.241	3610921.576	9.74
LOCATION	L0000909	VOLUME	490694.227	3610930.406	9.82
LOCATION	L0000910	VOLUME	490690.090	3610939.174	9.75
LOCATION	L0000911	VOLUME	490685.203	3610947.552	9.68
LOCATION	L0000912	VOLUME	490680.315	3610955.931	9.55
LOCATION	L0000913	VOLUME	490672.489	3610961.374	9.39
LOCATION	L0000914	VOLUME	490664.115	3610966.269	9.23
LOCATION	L0000915	VOLUME	490655.741	3610971.165	9.23
LOCATION	L0000916	VOLUME	490647.367	3610976.060	9.26
LOCATION	L0000917	VOLUME	490638.993	3610980.956	9.32
LOCATION	L0000918	VOLUME	490630.619	3610985.851	9.33
LOCATION	L0000919	VOLUME	490622.245	3610990.747	9.12
LOCATION	L0000920	VOLUME	490613.871	3610995.643	8.79
LOCATION	L0000921	VOLUME	490605.497	3611000.538	8.42
LOCATION	L0000922	VOLUME	490597.123	3611005.434	8.27
LOCATION	L0000923	VOLUME	490588.749	3611010.329	8.14
LOCATION	L0000924	VOLUME	490580.375	3611015.225	8.01
LOCATION	L0000925	VOLUME	490574.058	3611021.802	7.91
LOCATION	L0000926	VOLUME	490570.927	3611030.982	7.93
LOCATION	L0000927	VOLUME	490567.796	3611040.163	7.90
LOCATION	L0000928	VOLUME	490564.665	3611049.344	7.88
LOCATION	L0000929	VOLUME	490561.534	3611058.525	7.88
LOCATION	L0000930	VOLUME	490558.403	3611067.705	7.72
LOCATION	L0000931	VOLUME	490555.272	3611076.886	7.54
LOCATION	L0000932	VOLUME	490552.141	3611086.067	7.34
LOCATION	L0000933	VOLUME	490549.010	3611095.248	7.24
LOCATION	L0000934	VOLUME	490545.879	3611104.429	7.22
LOCATION	L0000935	VOLUME	490542.748	3611113.609	7.23
LOCATION	L0000936	VOLUME	490539.617	3611122.790	7.22
LOCATION	L0000937	VOLUME	490536.486	3611131.971	7.00

LOCATION	L0000938	VOLUME	490533.355	3611141.152	6.76
LOCATION	L0000939	VOLUME	490530.224	3611150.332	6.50
LOCATION	L0000940	VOLUME	490527.093	3611159.513	6.59
LOCATION	L0000941	VOLUME	490523.962	3611168.694	6.74
LOCATION	L0000942	VOLUME	490520.831	3611177.875	6.87
LOCATION	L0000943	VOLUME	490517.700	3611187.056	6.78
LOCATION	L0000944	VOLUME	490514.569	3611196.236	6.52
LOCATION	L0000945	VOLUME	490511.438	3611205.417	6.31
LOCATION	L0000946	VOLUME	490508.307	3611214.598	6.19
LOCATION	L0000947	VOLUME	490505.176	3611223.779	6.23
LOCATION	L0000948	VOLUME	490502.045	3611232.960	6.26
LOCATION	L0000949	VOLUME	490498.914	3611242.140	6.26
LOCATION	L0000950	VOLUME	490495.783	3611251.321	6.24
LOCATION	L0000951	VOLUME	490492.652	3611260.502	6.24
LOCATION	L0000952	VOLUME	490489.521	3611269.683	6.26
LOCATION	L0000953	VOLUME	490486.390	3611278.863	6.28
LOCATION	L0000954	VOLUME	490483.259	3611288.044	6.28
LOCATION	L0000955	VOLUME	490480.780	3611297.306	6.29
LOCATION	L0000956	VOLUME	490481.561	3611306.975	6.34
LOCATION	L0000957	VOLUME	490482.342	3611316.643	6.36
LOCATION	L0000958	VOLUME	490483.124	3611326.312	6.38
LOCATION	L0000959	VOLUME	490483.905	3611335.980	6.39
LOCATION	L0000960	VOLUME	490484.686	3611345.649	6.30
LOCATION	L0000961	VOLUME	490485.468	3611355.317	6.18
LOCATION	L0000962	VOLUME	490486.249	3611364.986	6.05
LOCATION	L0000963	VOLUME	490487.030	3611374.654	5.99
LOCATION	L0000964	VOLUME	490487.812	3611384.323	5.96
LOCATION	L0000965	VOLUME	490488.593	3611393.991	5.94
LOCATION	L0000966	VOLUME	490489.374	3611403.660	6.03
LOCATION	L0000967	VOLUME	490490.155	3611413.328	6.21
LOCATION	L0000968	VOLUME	490490.937	3611422.997	6.38
LOCATION	L0000969	VOLUME	490491.718	3611432.665	6.47
LOCATION	L0000970	VOLUME	490492.499	3611442.334	6.40
LOCATION	L0000971	VOLUME	490493.281	3611452.002	6.33
LOCATION	L0000972	VOLUME	490492.943	3611461.674	6.29
LOCATION	L0000973	VOLUME	490492.218	3611471.347	6.25
LOCATION	L0000974	VOLUME	490491.492	3611481.019	6.23
LOCATION	L0000975	VOLUME	490490.767	3611490.692	6.23
LOCATION	L0000976	VOLUME	490490.041	3611500.365	6.27
LOCATION	L0000977	VOLUME	490489.316	3611510.038	6.31
LOCATION	L0000978	VOLUME	490488.590	3611519.711	6.34
LOCATION	L0000979	VOLUME	490487.865	3611529.384	6.54
LOCATION	L0000980	VOLUME	490487.139	3611539.056	6.78
LOCATION	L0000981	VOLUME	490486.414	3611548.729	7.02
LOCATION	L0000982	VOLUME	490485.688	3611558.402	6.87
LOCATION	L0000983	VOLUME	490484.963	3611568.075	6.46
LOCATION	L0000984	VOLUME	490484.238	3611577.748	6.02
LOCATION	L0000985	VOLUME	490482.499	3611587.229	5.74
LOCATION	L0000986	VOLUME	490479.646	3611596.500	5.74
LOCATION	L0000987	VOLUME	490476.794	3611605.771	5.82

LOCATION	L0000988	VOLUME	490473.941	3611615.042	5.96
LOCATION	L0000989	VOLUME	490471.088	3611624.313	6.12
LOCATION	L0000990	VOLUME	490468.236	3611633.584	6.29
LOCATION	L0000991	VOLUME	490465.383	3611642.856	6.48
LOCATION	L0000992	VOLUME	490462.530	3611652.127	6.38
LOCATION	L0000993	VOLUME	490459.678	3611661.398	6.13
LOCATION	L0000994	VOLUME	490456.825	3611670.669	5.80
LOCATION	L0000995	VOLUME	490453.972	3611679.940	5.59
LOCATION	L0000996	VOLUME	490451.120	3611689.211	5.63
LOCATION	L0000997	VOLUME	490448.267	3611698.482	5.54
LOCATION	L0000998	VOLUME	490445.415	3611707.753	5.33
LOCATION	L0000999	VOLUME	490442.562	3611717.024	5.46
LOCATION	L0001000	VOLUME	490439.709	3611726.295	5.65
LOCATION	L0001001	VOLUME	490436.857	3611735.566	5.92
LOCATION	L0001002	VOLUME	490434.004	3611744.837	5.97
LOCATION	L0001003	VOLUME	490431.151	3611754.108	6.04
LOCATION	L0001004	VOLUME	490428.299	3611763.379	6.18
LOCATION	L0001005	VOLUME	490425.446	3611772.650	6.40
LOCATION	L0001006	VOLUME	490422.594	3611781.921	6.41
LOCATION	L0001007	VOLUME	490419.741	3611791.192	6.63
LOCATION	L0001008	VOLUME	490416.888	3611800.463	6.95
LOCATION	L0001009	VOLUME	490414.036	3611809.735	7.05
LOCATION	L0001010	VOLUME	490411.183	3611819.006	7.23
LOCATION	L0001011	VOLUME	490408.330	3611828.277	7.49
LOCATION	L0001012	VOLUME	490405.478	3611837.548	7.86
LOCATION	L0001013	VOLUME	490402.625	3611846.819	8.42
LOCATION	L0001014	VOLUME	490399.772	3611856.090	9.18
LOCATION	L0001015	VOLUME	490396.920	3611865.361	9.23
LOCATION	L0001016	VOLUME	490394.067	3611874.632	9.05
LOCATION	L0001017	VOLUME	490391.215	3611883.903	8.83
LOCATION	L0001018	VOLUME	490388.362	3611893.174	8.57
LOCATION	L0001019	VOLUME	490386.811	3611902.717	8.56
LOCATION	L0001020	VOLUME	490385.719	3611912.355	8.70
LOCATION	L0001021	VOLUME	490384.628	3611921.993	8.94
LOCATION	L0001022	VOLUME	490383.537	3611931.632	8.95
LOCATION	L0001023	VOLUME	490382.446	3611941.270	9.15
LOCATION	L0001024	VOLUME	490381.355	3611950.909	9.55
LOCATION	L0001025	VOLUME	490380.264	3611960.547	8.49
LOCATION	L0001026	VOLUME	490379.173	3611970.186	6.84
LOCATION	L0001027	VOLUME	490378.081	3611979.824	4.98
LOCATION	L0001028	VOLUME	490376.990	3611989.462	4.16
LOCATION	L0001029	VOLUME	490375.899	3611999.101	4.08
LOCATION	L0001030	VOLUME	490374.808	3612008.739	3.99
LOCATION	L0001031	VOLUME	490373.717	3612018.378	3.99
LOCATION	L0001032	VOLUME	490372.626	3612028.016	4.16
LOCATION	L0001033	VOLUME	490371.535	3612037.655	4.31
LOCATION	L0001034	VOLUME	490370.443	3612047.293	4.49
LOCATION	L0001035	VOLUME	490369.352	3612056.931	4.85
LOCATION	L0001036	VOLUME	490368.261	3612066.568	5.16
LOCATION	L0001037	VOLUME	490366.991	3612076.186	5.43

LOCATION	L0001038	VOLUME	490365.736	3612085.805	5.51
LOCATION	L0001039	VOLUME	490364.481	3612095.424	5.78
LOCATION	L0001040	VOLUME	490363.227	3612105.042	6.23
LOCATION	L0001041	VOLUME	490361.972	3612114.661	6.37
LOCATION	L0001042	VOLUME	490360.718	3612124.279	6.37
LOCATION	L0001043	VOLUME	490359.463	3612133.898	6.32
LOCATION	L0001044	VOLUME	490358.208	3612143.516	6.20
LOCATION	L0001045	VOLUME	490356.954	3612153.135	6.02
LOCATION	L0001046	VOLUME	490355.699	3612162.753	5.79
LOCATION	L0001047	VOLUME	490354.445	3612172.372	5.48
LOCATION	L0001048	VOLUME	490353.190	3612181.990	5.10
LOCATION	L0001049	VOLUME	490351.935	3612191.609	4.68
LOCATION	L0001050	VOLUME	490350.681	3612201.227	4.31
LOCATION	L0001051	VOLUME	490349.426	3612210.846	4.30
LOCATION	L0001052	VOLUME	490348.172	3612220.464	4.31
LOCATION	L0001053	VOLUME	490346.917	3612230.083	4.33
LOCATION	L0001054	VOLUME	490345.662	3612239.701	4.33
LOCATION	L0001055	VOLUME	490344.408	3612249.320	4.32
LOCATION	L0001056	VOLUME	490343.153	3612258.938	4.30
LOCATION	L0001057	VOLUME	490341.899	3612268.557	4.22
LOCATION	L0001058	VOLUME	490340.644	3612278.175	4.13

** End of LINE VOLUME Source ID = TRUCKS2

**

** -----
 ** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = YRDTRK1

** DESCRSRC Yard Truck for PA B-1 Bldg 4

** PREFIX

** Length of Side = 9.70

** Configuration = Adjacent

** Emission Rate = 0.3265

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 2

** 490415.151, 3610339.423, 2.67, 3.40, 4.51

** 490455.335, 3610194.053, 2.62, 3.40, 4.51

**

LOCATION	L0001542	VOLUME	490416.444	3610334.748	2.75
LOCATION	L0001543	VOLUME	490419.028	3610325.399	2.78
LOCATION	L0001544	VOLUME	490421.612	3610316.050	2.77
LOCATION	L0001545	VOLUME	490424.197	3610306.700	2.73
LOCATION	L0001546	VOLUME	490426.781	3610297.351	2.71
LOCATION	L0001547	VOLUME	490429.366	3610288.001	2.71
LOCATION	L0001548	VOLUME	490431.950	3610278.652	2.75
LOCATION	L0001549	VOLUME	490434.534	3610269.303	2.79
LOCATION	L0001550	VOLUME	490437.119	3610259.953	2.82
LOCATION	L0001551	VOLUME	490439.703	3610250.604	2.86
LOCATION	L0001552	VOLUME	490442.287	3610241.254	2.88
LOCATION	L0001553	VOLUME	490444.872	3610231.905	2.89
LOCATION	L0001554	VOLUME	490447.456	3610222.556	2.83
LOCATION	L0001555	VOLUME	490450.041	3610213.206	2.70

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LOCATION L0001556      VOLUME  490452.625 3610203.857 2.63
LOCATION L0001557      VOLUME  490455.209 3610194.508 2.65
** End of LINE VOLUME Source ID = YRDTRK1
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = YRDTRK2
** DESCRSRC Yard Trucks for remaining PA B-1 bldgs
** PREFIX
** Length of Side = 9.70
** Configuration = Adjacent
** Emission Rate = 0.1633
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 490618.432, 3610381.970, 3.55, 3.40, 4.51
** 490639.706, 3610303.967, 3.40, 3.40, 4.51
** -----
LOCATION L0001558      VOLUME  490619.708 3610377.291 3.56
LOCATION L0001559      VOLUME  490622.261 3610367.933 3.56
LOCATION L0001560      VOLUME  490624.813 3610358.575 3.55
LOCATION L0001561      VOLUME  490627.365 3610349.216 3.55
LOCATION L0001562      VOLUME  490629.917 3610339.858 3.53
LOCATION L0001563      VOLUME  490632.470 3610330.500 3.52
LOCATION L0001564      VOLUME  490635.022 3610321.142 3.50
LOCATION L0001565      VOLUME  490637.574 3610311.784 3.48
** End of LINE VOLUME Source ID = YRDTRK2
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = YRDTRK3
** DESCRSRC Yard Truck for PA A
** PREFIX
** Length of Side = 9.70
** Configuration = Adjacent
** Emission Rate = 0.5102
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 490743.710, 3610465.883, 4.66, 3.40, 4.51
** 490819.350, 3610230.691, 4.10, 3.40, 4.51
** -----
LOCATION L0001566      VOLUME  490745.195 3610461.265 4.84
LOCATION L0001567      VOLUME  490748.165 3610452.031 4.98
LOCATION L0001568      VOLUME  490751.135 3610442.797 5.07
LOCATION L0001569      VOLUME  490754.104 3610433.563 5.00
LOCATION L0001570      VOLUME  490757.074 3610424.329 4.90
LOCATION L0001571      VOLUME  490760.044 3610415.095 4.78
LOCATION L0001572      VOLUME  490763.014 3610405.860 4.75
LOCATION L0001573      VOLUME  490765.984 3610396.626 4.75
LOCATION L0001574      VOLUME  490768.953 3610387.392 4.77
LOCATION L0001575      VOLUME  490771.923 3610378.158 4.76

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LOCATION	VOLUME				
L0001576	490774.893	3610368.924	4.71		
L0001577	490777.863	3610359.689	4.66		
L0001578	490780.832	3610350.455	4.61		
L0001579	490783.802	3610341.221	4.59		
L0001580	490786.772	3610331.987	4.57		
L0001581	490789.742	3610322.753	4.54		
L0001582	490792.712	3610313.518	4.50		
L0001583	490795.681	3610304.284	4.48		
L0001584	490798.651	3610295.050	4.48		
L0001585	490801.621	3610285.816	4.52		
L0001586	490804.591	3610276.582	4.56		
L0001587	490807.561	3610267.347	4.59		
L0001588	490810.530	3610258.113	4.59		
L0001589	490813.500	3610248.879	4.48		
L0001590	490816.470	3610239.645	4.34		

** End of LINE VOLUME Source ID = YRDTRK3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = FORKLFT1

** DESCRSRC Forklifts PA B-1 Bldg 4

** PREFIX

** Length of Side = 9.70

** Configuration = Adjacent

** Emission Rate = 0.3016

** Vertical Dimension = 6.80

** SZINIT = 3.16

** Nodes = 2

** 490391.617, 3610341.549, 2.70, 3.40, 4.51

** 490447.875, 3610162.729, 2.99, 3.40, 4.51

** -----

LOCATION	VOLUME				
L0001523	490393.073	3610336.923	2.83		
L0001524	490395.984	3610327.670	2.93		
L0001525	490398.895	3610318.417	3.01		
L0001526	490401.806	3610309.164	3.03		
L0001527	490404.717	3610299.911	3.03		
L0001528	490407.628	3610290.658	3.01		
L0001529	490410.539	3610281.405	3.01		
L0001530	490413.450	3610272.153	3.00		
L0001531	490416.361	3610262.900	3.00		
L0001532	490419.272	3610253.647	3.02		
L0001533	490422.183	3610244.394	3.06		
L0001534	490425.094	3610235.141	3.11		
L0001535	490428.005	3610225.888	3.15		
L0001536	490430.916	3610216.635	3.14		
L0001537	490433.827	3610207.382	3.09		
L0001538	490436.738	3610198.129	3.01		
L0001539	490439.649	3610188.877	2.98		
L0001540	490442.560	3610179.624	2.99		
L0001541	490445.471	3610170.371	3.02		

** End of LINE VOLUME Source ID = FORKLFT1

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** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = FORKLFT2
** DESCRSRC Forklifts for PA B-1 remaining bldgs
** PREFIX
** Length of Side = 9.70
** Configuration = Adjacent
** Emission Rate = 0.2857
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 3
** 490706.059, 3610308.397, 3.65, 3.40, 4.51
** 490648.797, 3610291.319, 3.47, 3.40, 4.51
** 490611.626, 3610404.839, 3.57, 3.40, 4.51
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LOCATION	VOLUME				
L0001505	490701.412	3610307.011	3.67		
L0001506	490692.116	3610304.239	3.69		
L0001507	490682.821	3610301.466	3.69		
L0001508	490673.526	3610298.694	3.62		
L0001509	490664.230	3610295.922	3.54		
L0001510	490654.935	3610293.149	3.47		
L0001511	490647.772	3610294.450	3.46		
L0001512	490644.753	3610303.669	3.48		
L0001513	490641.735	3610312.887	3.50		
L0001514	490638.716	3610322.105	3.52		
L0001515	490635.698	3610331.324	3.53		
L0001516	490632.679	3610340.542	3.54		
L0001517	490629.661	3610349.761	3.56		
L0001518	490626.643	3610358.979	3.56		
L0001519	490623.624	3610368.197	3.56		
L0001520	490620.606	3610377.416	3.57		
L0001521	490617.587	3610386.634	3.57		
L0001522	490614.569	3610395.853	3.58		

```

** End of LINE VOLUME Source ID = FORKLFT2
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = FORKLFT3
** DESCRSRC Forklifts for PA A
** PREFIX
** Length of Side = 9.70
** Configuration = Adjacent
** Emission Rate = 0.4127
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 490726.365, 3610460.727, 4.57, 3.40, 4.51
** 490804.072, 3610225.896, 4.04, 3.40, 4.51
** -----

```

LOCATION	VOLUME				
L0001479	490727.888	3610456.122	4.49		
L0001480	490730.936	3610446.913	4.54		

LOCATION L0001481	VOLUME	490733.983	3610437.705	4.55
LOCATION L0001482	VOLUME	490737.030	3610428.496	4.50
LOCATION L0001483	VOLUME	490740.078	3610419.287	4.47
LOCATION L0001484	VOLUME	490743.125	3610410.078	4.43
LOCATION L0001485	VOLUME	490746.172	3610400.869	4.43
LOCATION L0001486	VOLUME	490749.219	3610391.660	4.44
LOCATION L0001487	VOLUME	490752.267	3610382.451	4.44
LOCATION L0001488	VOLUME	490755.314	3610373.242	4.40
LOCATION L0001489	VOLUME	490758.361	3610364.033	4.35
LOCATION L0001490	VOLUME	490761.409	3610354.824	4.29
LOCATION L0001491	VOLUME	490764.456	3610345.615	4.27
LOCATION L0001492	VOLUME	490767.503	3610336.407	4.27
LOCATION L0001493	VOLUME	490770.551	3610327.198	4.27
LOCATION L0001494	VOLUME	490773.598	3610317.989	4.25
LOCATION L0001495	VOLUME	490776.645	3610308.780	4.21
LOCATION L0001496	VOLUME	490779.693	3610299.571	4.15
LOCATION L0001497	VOLUME	490782.740	3610290.362	4.09
LOCATION L0001498	VOLUME	490785.787	3610281.153	4.09
LOCATION L0001499	VOLUME	490788.834	3610271.944	4.12
LOCATION L0001500	VOLUME	490791.882	3610262.735	4.18
LOCATION L0001501	VOLUME	490794.929	3610253.526	4.19
LOCATION L0001502	VOLUME	490797.976	3610244.318	4.14
LOCATION L0001503	VOLUME	490801.024	3610235.109	4.06
LOCATION L0001504	VOLUME	490804.071	3610225.900	3.98

** End of LINE VOLUME Source ID = FORKLFT3

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = TRU1

** DESCRSRC TRU PA B-1 Bldg 4

** PREFIX

** Length of Side = 3.70

** Configuration = Adjacent

** Emission Rate = 0.5854

** Vertical Dimension = 7.80

** SZINIT = 3.63

** Nodes = 2

** 490397.601, 3610347.154, 2.53, 3.90, 1.72

** 490453.107, 3610178.076, 2.90, 3.90, 1.72

**

LOCATION L0001397	VOLUME	490398.178	3610345.396	2.60
LOCATION L0001398	VOLUME	490399.332	3610341.881	2.66
LOCATION L0001399	VOLUME	490400.486	3610338.365	2.72
LOCATION L0001400	VOLUME	490401.640	3610334.850	2.77
LOCATION L0001401	VOLUME	490402.794	3610331.335	2.82
LOCATION L0001402	VOLUME	490403.948	3610327.819	2.86
LOCATION L0001403	VOLUME	490405.102	3610324.304	2.90
LOCATION L0001404	VOLUME	490406.256	3610320.788	2.93
LOCATION L0001405	VOLUME	490407.411	3610317.273	2.93
LOCATION L0001406	VOLUME	490408.565	3610313.757	2.93
LOCATION L0001407	VOLUME	490409.719	3610310.242	2.92

LOCATION	VOLUME				
LOCATION L0001408	VOLUME	490410.873	3610306.727	2.91	
LOCATION L0001409	VOLUME	490412.027	3610303.211	2.90	
LOCATION L0001410	VOLUME	490413.181	3610299.696	2.89	
LOCATION L0001411	VOLUME	490414.335	3610296.180	2.88	
LOCATION L0001412	VOLUME	490415.489	3610292.665	2.86	
LOCATION L0001413	VOLUME	490416.643	3610289.150	2.84	
LOCATION L0001414	VOLUME	490417.797	3610285.634	2.84	
LOCATION L0001415	VOLUME	490418.951	3610282.119	2.84	
LOCATION L0001416	VOLUME	490420.105	3610278.603	2.83	
LOCATION L0001417	VOLUME	490421.259	3610275.088	2.83	
LOCATION L0001418	VOLUME	490422.413	3610271.572	2.83	
LOCATION L0001419	VOLUME	490423.567	3610268.057	2.82	
LOCATION L0001420	VOLUME	490424.721	3610264.542	2.83	
LOCATION L0001421	VOLUME	490425.875	3610261.026	2.84	
LOCATION L0001422	VOLUME	490427.029	3610257.511	2.87	
LOCATION L0001423	VOLUME	490428.183	3610253.995	2.90	
LOCATION L0001424	VOLUME	490429.338	3610250.480	2.92	
LOCATION L0001425	VOLUME	490430.492	3610246.965	2.94	
LOCATION L0001426	VOLUME	490431.646	3610243.449	2.96	
LOCATION L0001427	VOLUME	490432.800	3610239.934	2.98	
LOCATION L0001428	VOLUME	490433.954	3610236.418	3.00	
LOCATION L0001429	VOLUME	490435.108	3610232.903	3.01	
LOCATION L0001430	VOLUME	490436.262	3610229.387	3.02	
LOCATION L0001431	VOLUME	490437.416	3610225.872	3.01	
LOCATION L0001432	VOLUME	490438.570	3610222.357	2.98	
LOCATION L0001433	VOLUME	490439.724	3610218.841	2.95	
LOCATION L0001434	VOLUME	490440.878	3610215.326	2.92	
LOCATION L0001435	VOLUME	490442.032	3610211.810	2.88	
LOCATION L0001436	VOLUME	490443.186	3610208.295	2.84	
LOCATION L0001437	VOLUME	490444.340	3610204.780	2.79	
LOCATION L0001438	VOLUME	490445.494	3610201.264	2.73	
LOCATION L0001439	VOLUME	490446.648	3610197.749	2.67	
LOCATION L0001440	VOLUME	490447.802	3610194.233	2.67	
LOCATION L0001441	VOLUME	490448.956	3610190.718	2.68	
LOCATION L0001442	VOLUME	490450.110	3610187.202	2.69	
LOCATION L0001443	VOLUME	490451.264	3610183.687	2.75	
LOCATION L0001444	VOLUME	490452.419	3610180.172	2.80	

** End of LINE VOLUME Source ID = TRU1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = TRU2

** DESCRSRC TRUs for PA B-1 remaining buildings

** PREFIX

** Length of Side = 3.70

** Configuration = Adjacent

** Emission Rate = 0.4146

** Vertical Dimension = 7.80

** SZINIT = 3.63

** Nodes = 2

** 490588.882, 3610259.199, 3.14, 3.90, 1.72

** 490710.140, 3610292.502, 3.69, 3.90, 1.72

**

LOCATION L0001445 VOLUME 490590.666 3610259.689 3.16
LOCATION L0001446 VOLUME 490594.234 3610260.669 3.17
LOCATION L0001447 VOLUME 490597.801 3610261.649 3.18
LOCATION L0001448 VOLUME 490601.369 3610262.629 3.20
LOCATION L0001449 VOLUME 490604.937 3610263.609 3.21
LOCATION L0001450 VOLUME 490608.505 3610264.589 3.22
LOCATION L0001451 VOLUME 490612.073 3610265.568 3.24
LOCATION L0001452 VOLUME 490615.641 3610266.548 3.25
LOCATION L0001453 VOLUME 490619.209 3610267.528 3.27
LOCATION L0001454 VOLUME 490622.777 3610268.508 3.29
LOCATION L0001455 VOLUME 490626.344 3610269.488 3.30
LOCATION L0001456 VOLUME 490629.912 3610270.468 3.32
LOCATION L0001457 VOLUME 490633.480 3610271.448 3.34
LOCATION L0001458 VOLUME 490637.048 3610272.428 3.36
LOCATION L0001459 VOLUME 490640.616 3610273.408 3.39
LOCATION L0001460 VOLUME 490644.184 3610274.388 3.41
LOCATION L0001461 VOLUME 490647.752 3610275.368 3.43
LOCATION L0001462 VOLUME 490651.320 3610276.347 3.45
LOCATION L0001463 VOLUME 490654.887 3610277.327 3.47
LOCATION L0001464 VOLUME 490658.455 3610278.307 3.49
LOCATION L0001465 VOLUME 490662.023 3610279.287 3.52
LOCATION L0001466 VOLUME 490665.591 3610280.267 3.55
LOCATION L0001467 VOLUME 490669.159 3610281.247 3.58
LOCATION L0001468 VOLUME 490672.727 3610282.227 3.62
LOCATION L0001469 VOLUME 490676.295 3610283.207 3.65
LOCATION L0001470 VOLUME 490679.863 3610284.187 3.68
LOCATION L0001471 VOLUME 490683.431 3610285.167 3.72
LOCATION L0001472 VOLUME 490686.998 3610286.147 3.73
LOCATION L0001473 VOLUME 490690.566 3610287.126 3.72
LOCATION L0001474 VOLUME 490694.134 3610288.106 3.72
LOCATION L0001475 VOLUME 490697.702 3610289.086 3.71
LOCATION L0001476 VOLUME 490701.270 3610290.066 3.70
LOCATION L0001477 VOLUME 490704.838 3610291.046 3.70
LOCATION L0001478 VOLUME 490708.406 3610292.026 3.69

** End of LINE VOLUME Source ID = TRU2

LOCATION STCK1 POINT 490463.350 3610158.440 2.940

** DESCRSRC Emergency Generator PA B-1 Bldg 4

LOCATION STCK2 POINT 490645.000 3610297.000 3.460

** DESCRSRC Emergency Generator PA B-1 Bldg1

LOCATION STCK3 POINT 490635.000 3610294.000 3.420

** DESCRSRC Emergency Generator PA B-1 Bldg 3

LOCATION STCK4 POINT 490583.000 3610173.000 3.010

** DESCRSRC Emergency Generator PA B-1 Bldg 2

LOCATION STCK5 POINT 490826.000 3610229.250 4.390

** DESCRSRC Emergency Generator PA A

** Source Parameters **

** LINE VOLUME Source ID = IDLE1

SRCPARAM L0001253 0.0069470588 3.40 4.51 3.16

SRCPARAM	L0001254	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001255	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001256	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001257	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001258	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001259	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001260	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001261	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001262	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001263	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001264	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001265	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001266	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001267	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001268	0.0069470588	3.40	4.51	3.16
SRCPARAM	L0001269	0.0069470588	3.40	4.51	3.16

**

** LINE VOLUME Source ID = IDLE2

SRCPARAM	L0001270	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001271	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001272	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001273	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001274	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001275	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001276	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001277	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001278	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001279	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001280	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001281	0.0069461538	3.40	1.72	3.16
SRCPARAM	L0001282	0.0069461538	3.40	1.72	3.16

**

** LINE VOLUME Source ID = IDLE3

SRCPARAM	L0001283	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001284	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001285	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001286	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001287	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001288	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001289	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001290	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001291	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001292	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001293	0.0069416667	3.40	1.72	3.16
SRCPARAM	L0001294	0.0069416667	3.40	1.72	3.16

**

** LINE VOLUME Source ID = IDLE4

SRCPARAM	L0001295	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001296	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001297	0.0069428571	0.00	1.72	3.16

SRCPARAM	L0001298	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001299	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001300	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001301	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001302	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001303	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001304	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001305	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001306	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001307	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001308	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001309	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001310	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001311	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001312	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001313	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001314	0.0069428571	0.00	1.72	3.16
SRCPARAM	L0001315	0.0069428571	0.00	1.72	3.16

**

** -----
 ** LINE VOLUME Source ID = IDLE5

SRCPARAM	L0001316	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001317	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001318	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001319	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001320	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001321	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001322	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001323	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001324	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001325	0.0069454545	3.40	1.72	3.16
SRCPARAM	L0001326	0.0069454545	3.40	1.72	3.16

**

** -----
 ** LINE VOLUME Source ID = IDLE6

SRCPARAM	L0001327	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001328	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001329	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001330	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001331	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001332	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001333	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001334	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001335	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001336	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001337	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001338	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001339	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001340	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001341	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001342	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001343	0.0069442857	3.40	1.72	3.16

SRCPARAM	L0001394	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001395	0.0069442857	3.40	1.72	3.16
SRCPARAM	L0001396	0.0069442857	3.40	1.72	3.16

**

** -----
 ** LINE VOLUME Source ID = TRUCKS1

SRCPARAM	L0000175	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000176	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000177	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000178	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000179	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000180	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000181	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000182	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000183	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000184	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000185	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000186	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000187	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000188	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000189	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000190	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000191	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000192	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000193	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000194	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000195	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000196	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000197	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000198	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000199	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000200	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000201	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000202	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000203	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000204	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000205	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000206	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000207	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000208	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000209	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000210	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000211	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000212	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000213	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000214	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000215	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000216	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000217	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000218	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000219	0.0030959752	0.00	4.51	3.16

SRCPARAM	L0000470	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000471	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000472	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000473	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000474	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000475	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000476	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000477	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000478	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000479	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000480	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000481	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000482	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000483	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000484	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000485	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000486	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000487	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000488	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000489	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000490	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000491	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000492	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000493	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000494	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000495	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000496	0.0030959752	0.00	4.51	3.16
SRCPARAM	L0000497	0.0030959752	0.00	4.51	3.16

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** LINE VOLUME Source ID = TRUCKS3

SRCPARAM	L0000498	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000499	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000500	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000501	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000502	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000503	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000504	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000505	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000506	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000507	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000508	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000509	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000510	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000511	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000512	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000513	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000514	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000515	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000516	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000517	0.0032051282	0.00	4.51	3.16

SRCPARAM	L0000768	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000769	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000770	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000771	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000772	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000773	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000774	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000775	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000776	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000777	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000778	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000779	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000780	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000781	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000782	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000783	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000784	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000785	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000786	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000787	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000788	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000789	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000790	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000791	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000792	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000793	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000794	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000795	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000796	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000797	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000798	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000799	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000800	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000801	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000802	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000803	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000804	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000805	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000806	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000807	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000808	0.0032051282	0.00	4.51	3.16
SRCPARAM	L0000809	0.0032051282	0.00	4.51	3.16

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** LINE VOLUME Source ID = TRUCKS2

SRCPARAM	L0000810	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0000811	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0000812	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0000813	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0000814	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0000815	0.0040160643	0.00	4.51	3.16

SRCPARAM	L0001016	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001017	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001018	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001019	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001020	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001021	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001022	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001023	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001024	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001025	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001026	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001027	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001028	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001029	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001030	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001031	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001032	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001033	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001034	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001035	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001036	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001037	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001038	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001039	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001040	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001041	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001042	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001043	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001044	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001045	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001046	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001047	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001048	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001049	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001050	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001051	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001052	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001053	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001054	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001055	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001056	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001057	0.0040160643	0.00	4.51	3.16
SRCPARAM	L0001058	0.0040160643	0.00	4.51	3.16

**

** LINE VOLUME Source ID = YRDTRK1

SRCPARAM	L0001542	0.02040625	3.40	4.51	3.16
SRCPARAM	L0001543	0.02040625	3.40	4.51	3.16
SRCPARAM	L0001544	0.02040625	3.40	4.51	3.16
SRCPARAM	L0001545	0.02040625	3.40	4.51	3.16
SRCPARAM	L0001546	0.02040625	3.40	4.51	3.16

SRCPARAM L0001547	0.02040625	3.40	4.51	3.16
SRCPARAM L0001548	0.02040625	3.40	4.51	3.16
SRCPARAM L0001549	0.02040625	3.40	4.51	3.16
SRCPARAM L0001550	0.02040625	3.40	4.51	3.16
SRCPARAM L0001551	0.02040625	3.40	4.51	3.16
SRCPARAM L0001552	0.02040625	3.40	4.51	3.16
SRCPARAM L0001553	0.02040625	3.40	4.51	3.16
SRCPARAM L0001554	0.02040625	3.40	4.51	3.16
SRCPARAM L0001555	0.02040625	3.40	4.51	3.16
SRCPARAM L0001556	0.02040625	3.40	4.51	3.16
SRCPARAM L0001557	0.02040625	3.40	4.51	3.16

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** LINE VOLUME Source ID = YRDTRK2

SRCPARAM L0001558	0.0204125	3.40	4.51	3.16
SRCPARAM L0001559	0.0204125	3.40	4.51	3.16
SRCPARAM L0001560	0.0204125	3.40	4.51	3.16
SRCPARAM L0001561	0.0204125	3.40	4.51	3.16
SRCPARAM L0001562	0.0204125	3.40	4.51	3.16
SRCPARAM L0001563	0.0204125	3.40	4.51	3.16
SRCPARAM L0001564	0.0204125	3.40	4.51	3.16
SRCPARAM L0001565	0.0204125	3.40	4.51	3.16

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** LINE VOLUME Source ID = YRDTRK3

SRCPARAM L0001566	0.020408	3.40	4.51	3.16
SRCPARAM L0001567	0.020408	3.40	4.51	3.16
SRCPARAM L0001568	0.020408	3.40	4.51	3.16
SRCPARAM L0001569	0.020408	3.40	4.51	3.16
SRCPARAM L0001570	0.020408	3.40	4.51	3.16
SRCPARAM L0001571	0.020408	3.40	4.51	3.16
SRCPARAM L0001572	0.020408	3.40	4.51	3.16
SRCPARAM L0001573	0.020408	3.40	4.51	3.16
SRCPARAM L0001574	0.020408	3.40	4.51	3.16
SRCPARAM L0001575	0.020408	3.40	4.51	3.16
SRCPARAM L0001576	0.020408	3.40	4.51	3.16
SRCPARAM L0001577	0.020408	3.40	4.51	3.16
SRCPARAM L0001578	0.020408	3.40	4.51	3.16
SRCPARAM L0001579	0.020408	3.40	4.51	3.16
SRCPARAM L0001580	0.020408	3.40	4.51	3.16
SRCPARAM L0001581	0.020408	3.40	4.51	3.16
SRCPARAM L0001582	0.020408	3.40	4.51	3.16
SRCPARAM L0001583	0.020408	3.40	4.51	3.16
SRCPARAM L0001584	0.020408	3.40	4.51	3.16
SRCPARAM L0001585	0.020408	3.40	4.51	3.16
SRCPARAM L0001586	0.020408	3.40	4.51	3.16
SRCPARAM L0001587	0.020408	3.40	4.51	3.16
SRCPARAM L0001588	0.020408	3.40	4.51	3.16
SRCPARAM L0001589	0.020408	3.40	4.51	3.16
SRCPARAM L0001590	0.020408	3.40	4.51	3.16

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** LINE VOLUME Source ID = FORKLFT1

SRCPARAM	L0001523	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001524	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001525	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001526	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001527	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001528	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001529	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001530	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001531	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001532	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001533	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001534	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001535	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001536	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001537	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001538	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001539	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001540	0.0158736842	3.40	4.51	3.16
SRCPARAM	L0001541	0.0158736842	3.40	4.51	3.16

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 ** LINE VOLUME Source ID = FORKLFT2

SRCPARAM	L0001505	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001506	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001507	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001508	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001509	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001510	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001511	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001512	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001513	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001514	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001515	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001516	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001517	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001518	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001519	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001520	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001521	0.0158722222	3.40	4.51	3.16
SRCPARAM	L0001522	0.0158722222	3.40	4.51	3.16

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 ** LINE VOLUME Source ID = FORKLFT3

SRCPARAM	L0001479	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001480	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001481	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001482	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001483	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001484	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001485	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001486	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001487	0.0158730769	3.40	4.51	3.16

SRCPARAM	L0001488	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001489	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001490	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001491	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001492	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001493	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001494	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001495	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001496	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001497	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001498	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001499	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001500	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001501	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001502	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001503	0.0158730769	3.40	4.51	3.16
SRCPARAM	L0001504	0.0158730769	3.40	4.51	3.16

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 ** LINE VOLUME Source ID = TRU1

SRCPARAM	L0001397	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001398	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001399	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001400	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001401	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001402	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001403	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001404	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001405	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001406	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001407	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001408	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001409	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001410	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001411	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001412	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001413	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001414	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001415	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001416	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001417	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001418	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001419	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001420	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001421	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001422	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001423	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001424	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001425	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001426	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001427	0.0121958333	3.90	1.72	3.63

SRCPARAM	L0001428	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001429	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001430	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001431	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001432	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001433	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001434	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001435	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001436	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001437	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001438	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001439	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001440	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001441	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001442	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001443	0.0121958333	3.90	1.72	3.63
SRCPARAM	L0001444	0.0121958333	3.90	1.72	3.63

**

** LINE VOLUME Source ID = TRU2

SRCPARAM	L0001445	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001446	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001447	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001448	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001449	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001450	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001451	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001452	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001453	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001454	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001455	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001456	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001457	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001458	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001459	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001460	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001461	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001462	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001463	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001464	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001465	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001466	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001467	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001468	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001469	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001470	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001471	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001472	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001473	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001474	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001475	0.0121941176	3.90	1.72	3.63

SRCPARAM	L0001476	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001477	0.0121941176	3.90	1.72	3.63
SRCPARAM	L0001478	0.0121941176	3.90	1.72	3.63

**

SRCPARAM	STCK1	1.0	2.499	772.594	61.1057071219822	0.134112
SRCPARAM	STCK2	1.0	2.499	772.594	61.1057071219822	0.134112
SRCPARAM	STCK3	1.0	2.499	772.594	61.1057071219822	0.134112
SRCPARAM	STCK4	1.0	2.499	772.594	61.1057071219822	0.134112
SRCPARAM	STCK5	1.0	2.499	772.594	61.1057071219822	0.134112

** Building Downwash **

BUILDHGT	STCK1	9.14	9.14	9.14	9.14	9.14	0.00
BUILDHGT	STCK1	0.00	9.14	9.14	9.14	0.00	0.00
BUILDHGT	STCK1	0.00	0.00	0.00	0.00	9.14	9.14
BUILDHGT	STCK1	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK1	9.14	9.14	9.14	9.14	0.00	0.00
BUILDHGT	STCK1	0.00	0.00	0.00	0.00	9.14	9.14

BUILDHGT	STCK2	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK2	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK2	9.14	9.14	9.14	9.14	0.00	9.14
BUILDHGT	STCK2	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK2	9.14	0.00	9.14	9.14	9.14	9.14
BUILDHGT	STCK2	9.14	9.14	9.14	9.14	9.14	9.14

BUILDHGT	STCK3	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK3	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK3	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK3	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK3	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK3	9.14	9.14	9.14	9.14	9.14	9.14

BUILDHGT	STCK4	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK4	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK4	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK4	9.14	9.14	9.14	9.14	9.14	9.14
BUILDHGT	STCK4	9.14	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK4	0.00	9.14	9.14	9.14	9.14	9.14

BUILDHGT	STCK5	11.89	11.89	11.89	11.89	11.89	11.89
BUILDHGT	STCK5	11.89	11.89	11.89	11.89	11.89	11.89
BUILDHGT	STCK5	11.89	0.00	0.00	0.00	11.89	11.89
BUILDHGT	STCK5	11.89	11.89	11.89	11.89	11.89	11.89
BUILDHGT	STCK5	11.89	11.89	11.89	11.89	11.89	11.89
BUILDHGT	STCK5	11.89	0.00	0.00	0.00	11.89	11.89

BUILDWID	STCK1	160.16	188.55	211.22	227.48	236.82	0.00
BUILDWID	STCK1	0.00	233.84	238.95	236.80	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	89.77	126.89
BUILDWID	STCK1	160.16	188.55	211.23	227.48	236.82	238.96

BUILDWID	STCK1	233.85	233.84	238.95	236.80	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	89.77	126.89
BUILDWID	STCK2	90.58	102.89	169.19	153.71	133.55	109.34
BUILDWID	STCK2	142.88	142.89	109.34	133.55	153.44	147.64
BUILDWID	STCK2	137.35	122.89	104.69	177.40	0.00	75.51
BUILDWID	STCK2	90.58	102.89	112.08	117.86	120.06	118.62
BUILDWID	STCK2	113.57	0.00	109.34	133.55	153.44	147.64
BUILDWID	STCK2	137.35	122.89	104.69	177.40	177.40	75.51
BUILDWID	STCK3	184.42	179.53	169.19	153.71	133.55	109.34
BUILDWID	STCK3	142.88	142.89	109.34	133.55	153.44	147.64
BUILDWID	STCK3	137.35	122.89	104.69	83.31	177.40	75.51
BUILDWID	STCK3	90.58	102.89	112.08	117.86	120.06	118.62
BUILDWID	STCK3	113.57	142.89	109.34	133.55	153.44	147.64
BUILDWID	STCK3	137.35	122.89	104.69	83.31	177.40	75.51
BUILDWID	STCK4	184.42	179.53	169.19	153.71	133.55	109.34
BUILDWID	STCK4	81.81	233.84	238.95	236.80	227.46	211.21
BUILDWID	STCK4	188.54	184.42	183.70	177.40	177.40	183.70
BUILDWID	STCK4	184.42	179.53	169.19	153.71	133.55	109.34
BUILDWID	STCK4	81.81	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK4	0.00	184.42	183.70	177.40	177.40	183.70
BUILDWID	STCK5	188.91	219.55	243.52	260.09	268.76	269.26
BUILDWID	STCK5	261.58	267.17	269.95	264.53	251.07	229.99
BUILDWID	STCK5	201.91	0.00	0.00	0.00	111.52	152.53
BUILDWID	STCK5	188.91	219.55	243.52	260.09	268.76	269.26
BUILDWID	STCK5	261.58	267.17	269.95	264.53	251.07	229.99
BUILDWID	STCK5	201.91	0.00	0.00	0.00	111.52	152.53
BUILDLN	STCK1	236.80	227.46	211.21	188.54	160.14	0.00
BUILDLN	STCK1	0.00	89.77	126.89	160.16	0.00	0.00
BUILDLN	STCK1	0.00	0.00	0.00	0.00	233.84	238.95
BUILDLN	STCK1	236.80	227.46	211.21	188.54	160.14	126.88
BUILDLN	STCK1	89.76	89.77	126.89	160.16	0.00	0.00
BUILDLN	STCK1	0.00	0.00	0.00	0.00	233.84	238.95
BUILDLN	STCK2	120.06	117.86	169.19	179.53	184.42	183.70
BUILDLN	STCK2	83.31	83.31	183.70	184.42	137.35	147.64
BUILDLN	STCK2	153.44	154.58	151.03	81.81	0.00	118.61
BUILDLN	STCK2	120.06	117.86	112.07	102.89	90.57	75.51
BUILDLN	STCK2	58.15	0.00	183.70	184.42	137.35	147.64
BUILDLN	STCK2	153.44	154.58	151.03	81.81	81.81	118.61
BUILDLN	STCK3	133.55	153.70	169.19	179.53	184.42	183.70
BUILDLN	STCK3	83.31	83.31	183.70	184.42	137.35	147.64
BUILDLN	STCK3	153.44	154.58	151.03	142.88	81.81	118.61
BUILDLN	STCK3	120.06	117.86	112.07	102.89	90.57	75.51
BUILDLN	STCK3	58.15	83.31	183.70	184.42	137.35	147.64

BUILDLLEN	STCK3	153.44	154.58	151.03	142.88	81.81	118.61
BUILDLLEN	STCK4	133.55	153.70	169.19	179.53	184.42	183.70
BUILDLLEN	STCK4	177.40	89.77	126.89	160.16	188.55	211.22
BUILDLLEN	STCK4	227.48	133.55	109.34	81.81	81.81	109.34
BUILDLLEN	STCK4	133.55	153.70	169.19	179.53	184.42	183.70
BUILDLLEN	STCK4	177.40	0.00	0.00	0.00	0.00	0.00
BUILDLLEN	STCK4	0.00	133.55	109.34	81.81	81.81	109.34
BUILDLLEN	STCK5	264.53	251.07	229.99	201.91	167.71	128.40
BUILDLLEN	STCK5	85.20	111.52	152.53	188.91	219.55	243.52
BUILDLLEN	STCK5	260.09	0.00	0.00	0.00	267.17	269.95
BUILDLLEN	STCK5	264.53	251.07	229.99	201.91	167.71	128.40
BUILDLLEN	STCK5	85.20	111.52	152.53	188.91	219.55	243.52
BUILDLLEN	STCK5	260.09	0.00	0.00	0.00	267.17	269.95
XBADJ	STCK1	2.18	6.41	10.44	14.16	17.45	0.00
XBADJ	STCK1	0.00	3.89	-34.61	-72.06	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	-227.48	-236.83
XBADJ	STCK1	-238.98	-233.87	-221.66	-202.70	-177.60	-147.09
XBADJ	STCK1	-112.11	-93.66	-92.28	-88.10	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	-6.35	-2.12
XBADJ	STCK2	13.95	17.25	-131.24	-129.34	-123.51	-113.93
XBADJ	STCK2	-93.60	-105.39	-83.46	-73.75	-155.04	-162.72
XBADJ	STCK2	-165.45	-163.15	-155.89	17.13	0.00	-128.84
XBADJ	STCK2	-134.01	-135.11	-132.10	-125.08	-114.26	-99.97
XBADJ	STCK2	-82.64	0.00	-100.24	-110.67	17.69	15.08
XBADJ	STCK2	12.00	8.57	4.87	-98.94	-100.18	10.23
XBADJ	STCK3	-118.44	-122.91	-123.64	-120.62	-113.93	-103.77
XBADJ	STCK3	-83.18	-95.03	-73.46	-64.42	-146.67	-155.56
XBADJ	STCK3	-159.71	-159.02	-153.49	-143.30	17.15	-131.84
XBADJ	STCK3	-138.70	-141.35	-139.70	-133.81	-123.85	-110.13
XBADJ	STCK3	-93.06	11.71	-110.24	-119.99	9.32	7.92
XBADJ	STCK3	6.27	4.44	2.46	0.42	-98.96	13.23
XBADJ	STCK4	9.75	8.58	7.15	5.50	3.69	1.76
XBADJ	STCK4	-0.22	-116.47	-154.26	-187.36	-214.77	-235.66
XBADJ	STCK4	-249.38	-71.55	-76.02	-78.18	-92.98	-119.96
XBADJ	STCK4	-143.30	-162.28	-176.33	-185.03	-188.10	-185.46
XBADJ	STCK4	-177.18	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK4	0.00	-62.01	-33.32	-3.63	11.17	10.62
XBADJ	STCK5	-4.39	-1.60	1.23	4.03	6.70	9.18
XBADJ	STCK5	11.37	-22.84	-65.40	-105.97	-143.32	-176.32
XBADJ	STCK5	-203.96	0.00	0.00	0.00	-257.69	-262.91
XBADJ	STCK5	-260.14	-249.47	-231.22	-205.95	-174.41	-137.58
XBADJ	STCK5	-96.56	-88.67	-87.13	-82.94	-76.23	-67.20
XBADJ	STCK5	-56.13	0.00	0.00	0.00	-9.48	-7.04

YBADJ	STCK1	-8.02	13.04	33.71	53.35	71.36	0.00
YBADJ	STCK1	0.00	110.56	117.36	120.58	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	48.78	28.83
YBADJ	STCK1	8.02	-13.04	-33.71	-53.35	-71.36	-87.21
YBADJ	STCK1	-100.42	-110.56	-117.36	-120.58	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	-48.78	-28.83
YBADJ	STCK2	-19.14	-6.00	-36.62	-44.17	-50.37	-55.04
YBADJ	STCK2	72.46	62.34	-58.71	-56.36	22.12	6.79
YBADJ	STCK2	-8.75	-24.03	-38.57	-12.19	0.00	31.69
YBADJ	STCK2	19.14	6.00	-7.32	-20.42	-32.89	-44.37
YBADJ	STCK2	-54.50	0.00	58.71	56.36	-22.12	-6.79
YBADJ	STCK2	8.75	24.03	38.57	12.19	1.93	-31.69
YBADJ	STCK3	-27.78	-36.33	-43.78	-49.90	-54.50	-57.44
YBADJ	STCK3	71.86	63.56	-55.71	-51.67	28.36	14.38
YBADJ	STCK3	-0.03	-14.44	-28.41	-41.52	8.44	41.69
YBADJ	STCK3	28.47	14.37	-0.16	-14.68	-28.76	-41.97
YBADJ	STCK3	-53.90	-63.56	55.71	51.67	-28.36	-14.38
YBADJ	STCK3	0.03	14.44	28.41	41.52	-8.44	-41.69
YBADJ	STCK4	-57.98	-43.81	-28.31	-11.95	4.77	21.35
YBADJ	STCK4	37.28	117.00	102.79	85.46	65.54	43.62
YBADJ	STCK4	20.37	95.89	93.61	88.48	80.66	70.39
YBADJ	STCK4	57.98	43.81	28.31	11.95	-4.77	-21.35
YBADJ	STCK4	-37.28	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK4	0.00	-95.89	-93.61	-88.48	-80.66	-70.39
YBADJ	STCK5	11.52	33.55	54.56	73.91	91.02	105.36
YBADJ	STCK5	116.50	124.10	127.93	127.88	123.94	116.23
YBADJ	STCK5	104.99	0.00	0.00	0.00	32.92	10.86
YBADJ	STCK5	-11.52	-33.55	-54.56	-73.91	-91.02	-105.36
YBADJ	STCK5	-116.50	-124.10	-127.94	-127.88	-123.94	-116.23
YBADJ	STCK5	-104.99	0.00	0.00	0.00	-32.92	-10.86

SRCGROUP	YRDTRK	L0001542	L0001543	L0001544	L0001545	L0001546	L0001547
SRCGROUP	YRDTRK	L0001548	L0001549	L0001550	L0001551	L0001552	L0001553
SRCGROUP	YRDTRK	L0001554	L0001555	L0001556	L0001557	L0001558	L0001559
SRCGROUP	YRDTRK	L0001560	L0001561	L0001562	L0001563	L0001564	L0001565
SRCGROUP	YRDTRK	L0001566	L0001567	L0001568	L0001569	L0001570	L0001571
SRCGROUP	YRDTRK	L0001572	L0001573	L0001574	L0001575	L0001576	L0001577
SRCGROUP	YRDTRK	L0001578	L0001579	L0001580	L0001581	L0001582	L0001583
SRCGROUP	YRDTRK	L0001584	L0001585	L0001586	L0001587	L0001588	L0001589
SRCGROUP	YRDTRK	L0001590					
SRCGROUP	IDLE	L0001253	L0001254	L0001255	L0001256	L0001257	L0001258
SRCGROUP	IDLE	L0001259	L0001260	L0001261	L0001262	L0001263	L0001264
SRCGROUP	IDLE	L0001265	L0001266	L0001267	L0001268	L0001269	L0001270
SRCGROUP	IDLE	L0001271	L0001272	L0001273	L0001274	L0001275	L0001276
SRCGROUP	IDLE	L0001277	L0001278	L0001279	L0001280	L0001281	L0001282

SRCGROUP	IDLE	L0001283	L0001284	L0001285	L0001286	L0001287	L0001288
SRCGROUP	IDLE	L0001289	L0001290	L0001291	L0001292	L0001293	L0001294
SRCGROUP	IDLE	L0001295	L0001296	L0001297	L0001298	L0001299	L0001300
SRCGROUP	IDLE	L0001301	L0001302	L0001303	L0001304	L0001305	L0001306
SRCGROUP	IDLE	L0001307	L0001308	L0001309	L0001310	L0001311	L0001312
SRCGROUP	IDLE	L0001313	L0001314	L0001315	L0001316	L0001317	L0001318
SRCGROUP	IDLE	L0001319	L0001320	L0001321	L0001322	L0001323	L0001324
SRCGROUP	IDLE	L0001325	L0001326	L0001327	L0001328	L0001329	L0001330
SRCGROUP	IDLE	L0001331	L0001332	L0001333	L0001334	L0001335	L0001336
SRCGROUP	IDLE	L0001337	L0001338	L0001339	L0001340	L0001341	L0001342
SRCGROUP	IDLE	L0001343	L0001344	L0001345	L0001346	L0001347	L0001348
SRCGROUP	IDLE	L0001349	L0001350	L0001351	L0001352	L0001353	L0001354
SRCGROUP	IDLE	L0001355	L0001356	L0001357	L0001358	L0001359	L0001360
SRCGROUP	IDLE	L0001361	L0001362	L0001363	L0001364	L0001365	L0001366
SRCGROUP	IDLE	L0001367	L0001368	L0001369	L0001370	L0001371	L0001372
SRCGROUP	IDLE	L0001373	L0001374	L0001375	L0001376	L0001377	L0001378
SRCGROUP	IDLE	L0001379	L0001380	L0001381	L0001382	L0001383	L0001384
SRCGROUP	IDLE	L0001385	L0001386	L0001387	L0001388	L0001389	L0001390
SRCGROUP	IDLE	L0001391	L0001392	L0001393	L0001394	L0001395	L0001396
SRCGROUP	FORKLIFT	L0001523	L0001524	L0001525	L0001526	L0001527	L0001528
SRCGROUP	FORKLIFT	L0001529	L0001530	L0001531	L0001532	L0001533	L0001534
SRCGROUP	FORKLIFT	L0001535	L0001536	L0001537	L0001538	L0001539	L0001540
SRCGROUP	FORKLIFT	L0001541	L0001505	L0001506	L0001507	L0001508	L0001509
SRCGROUP	FORKLIFT	L0001510	L0001511	L0001512	L0001513	L0001514	L0001515
SRCGROUP	FORKLIFT	L0001516	L0001517	L0001518	L0001519	L0001520	L0001521
SRCGROUP	FORKLIFT	L0001522	L0001479	L0001480	L0001481	L0001482	L0001483
SRCGROUP	FORKLIFT	L0001484	L0001485	L0001486	L0001487	L0001488	L0001489
SRCGROUP	FORKLIFT	L0001490	L0001491	L0001492	L0001493	L0001494	L0001495
SRCGROUP	FORKLIFT	L0001496	L0001497	L0001498	L0001499	L0001500	L0001501
SRCGROUP	FORKLIFT	L0001502	L0001503	L0001504			
SRCGROUP	TRUs	L0001397	L0001398	L0001399	L0001400	L0001401	L0001402
SRCGROUP	TRUs	L0001403	L0001404	L0001405	L0001406	L0001407	L0001408
SRCGROUP	TRUs	L0001409	L0001410	L0001411	L0001412	L0001413	L0001414
SRCGROUP	TRUs	L0001415	L0001416	L0001417	L0001418	L0001419	L0001420
SRCGROUP	TRUs	L0001421	L0001422	L0001423	L0001424	L0001425	L0001426
SRCGROUP	TRUs	L0001427	L0001428	L0001429	L0001430	L0001431	L0001432
SRCGROUP	TRUs	L0001433	L0001434	L0001435	L0001436	L0001437	L0001438
SRCGROUP	TRUs	L0001439	L0001440	L0001441	L0001442	L0001443	L0001444
SRCGROUP	TRUs	L0001445	L0001446	L0001447	L0001448	L0001449	L0001450
SRCGROUP	TRUs	L0001451	L0001452	L0001453	L0001454	L0001455	L0001456
SRCGROUP	TRUs	L0001457	L0001458	L0001459	L0001460	L0001461	L0001462
SRCGROUP	TRUs	L0001463	L0001464	L0001465	L0001466	L0001467	L0001468
SRCGROUP	TRUs	L0001469	L0001470	L0001471	L0001472	L0001473	L0001474
SRCGROUP	TRUs	L0001475	L0001476	L0001477	L0001478		
SRCGROUP	TRUCK1E	L0000175	L0000176	L0000177	L0000178	L0000179	L0000180
SRCGROUP	TRUCK1E	L0000181	L0000182	L0000183	L0000184	L0000185	L0000186
SRCGROUP	TRUCK1E	L0000187	L0000188	L0000189	L0000190	L0000191	L0000192
SRCGROUP	TRUCK1E	L0000193	L0000194	L0000195	L0000196	L0000197	L0000198
SRCGROUP	TRUCK1E	L0000199	L0000200	L0000201	L0000202	L0000203	L0000204
SRCGROUP	TRUCK1E	L0000205	L0000206	L0000207	L0000208	L0000209	L0000210

SRCGROUP	TRUCK1E	L0000211	L0000212	L0000213	L0000214	L0000215	L0000216
SRCGROUP	TRUCK1E	L0000217	L0000218	L0000219	L0000220	L0000221	L0000222
SRCGROUP	TRUCK1E	L0000223	L0000224	L0000225	L0000226	L0000227	L0000228
SRCGROUP	TRUCK1E	L0000229	L0000230	L0000231	L0000232	L0000233	L0000234
SRCGROUP	TRUCK1E	L0000235	L0000236	L0000237	L0000238	L0000239	L0000240
SRCGROUP	TRUCK1E	L0000241	L0000242	L0000243	L0000244	L0000245	L0000246
SRCGROUP	TRUCK1E	L0000247	L0000248	L0000249	L0000250	L0000251	L0000252
SRCGROUP	TRUCK1E	L0000253	L0000254	L0000255	L0000256	L0000257	L0000258
SRCGROUP	TRUCK1E	L0000259	L0000260	L0000261	L0000262	L0000263	L0000264
SRCGROUP	TRUCK1E	L0000265	L0000266	L0000267	L0000268	L0000269	L0000270
SRCGROUP	TRUCK1E	L0000271	L0000272	L0000273	L0000274	L0000275	L0000276
SRCGROUP	TRUCK1E	L0000277	L0000278	L0000279	L0000280	L0000281	L0000282
SRCGROUP	TRUCK1E	L0000283	L0000284	L0000285	L0000286	L0000287	L0000288
SRCGROUP	TRUCK1E	L0000289	L0000290	L0000291	L0000292	L0000293	L0000294
SRCGROUP	TRUCK1E	L0000295	L0000296	L0000297	L0000298	L0000299	L0000300
SRCGROUP	TRUCK1E	L0000301	L0000302	L0000303	L0000304	L0000305	L0000306
SRCGROUP	TRUCK1E	L0000307	L0000308	L0000309	L0000310	L0000311	L0000312
SRCGROUP	TRUCK1E	L0000313	L0000314	L0000315	L0000316	L0000317	L0000318
SRCGROUP	TRUCK1E	L0000319	L0000320	L0000321	L0000322	L0000323	L0000324
SRCGROUP	TRUCK1E	L0000325	L0000326	L0000327	L0000328	L0000329	L0000330
SRCGROUP	TRUCK1E	L0000331	L0000332	L0000333	L0000334	L0000335	L0000336
SRCGROUP	TRUCK1E	L0000337	L0000338	L0000339	L0000340	L0000341	L0000342
SRCGROUP	TRUCK1E	L0000343	L0000344	L0000345	L0000346	L0000347	L0000348
SRCGROUP	TRUCK1E	L0000349	L0000350	L0000351	L0000352	L0000353	L0000354
SRCGROUP	TRUCK1E	L0000355	L0000356	L0000357	L0000358	L0000359	L0000360
SRCGROUP	TRUCK1E	L0000361	L0000362	L0000363	L0000364	L0000365	L0000366
SRCGROUP	TRUCK1E	L0000367	L0000368	L0000369	L0000370	L0000371	L0000372
SRCGROUP	TRUCK1E	L0000373	L0000374	L0000375	L0000376	L0000377	L0000378
SRCGROUP	TRUCK1E	L0000379	L0000380	L0000381	L0000382	L0000383	L0000384
SRCGROUP	TRUCK1E	L0000385	L0000386	L0000387	L0000388	L0000389	L0000390
SRCGROUP	TRUCK1E	L0000391	L0000392	L0000393	L0000394	L0000395	L0000396
SRCGROUP	TRUCK1E	L0000397	L0000398	L0000399	L0000400	L0000401	L0000402
SRCGROUP	TRUCK1E	L0000403	L0000404	L0000405	L0000406	L0000407	L0000408
SRCGROUP	TRUCK1E	L0000409	L0000410	L0000411	L0000412	L0000413	L0000414
SRCGROUP	TRUCK1E	L0000415	L0000416	L0000417	L0000418	L0000419	L0000420
SRCGROUP	TRUCK1E	L0000421	L0000422	L0000423	L0000424	L0000425	L0000426
SRCGROUP	TRUCK1E	L0000427	L0000428	L0000429	L0000430	L0000431	L0000432
SRCGROUP	TRUCK1E	L0000433	L0000434	L0000435	L0000436	L0000437	L0000438
SRCGROUP	TRUCK1E	L0000439	L0000440	L0000441	L0000442	L0000443	L0000444
SRCGROUP	TRUCK1E	L0000445	L0000446	L0000447	L0000448	L0000449	L0000450
SRCGROUP	TRUCK1E	L0000451	L0000452	L0000453	L0000454	L0000455	L0000456
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SRCGROUP	TRUCK1E	L0000463	L0000464	L0000465	L0000466	L0000467	L0000468
SRCGROUP	TRUCK1E	L0000469	L0000470	L0000471	L0000472	L0000473	L0000474
SRCGROUP	TRUCK1E	L0000475	L0000476	L0000477	L0000478	L0000479	L0000480
SRCGROUP	TRUCK1E	L0000481	L0000482	L0000483	L0000484	L0000485	L0000486
SRCGROUP	TRUCK1E	L0000487	L0000488	L0000489	L0000490	L0000491	L0000492
SRCGROUP	TRUCK1E	L0000493	L0000494	L0000495	L0000496	L0000497	
SRCGROUP	TRUCK2N	L0000810	L0000811	L0000812	L0000813	L0000814	L0000815
SRCGROUP	TRUCK2N	L0000816	L0000817	L0000818	L0000819	L0000820	L0000821

SRCGROUP	TRUCK2N	L0000822	L0000823	L0000824	L0000825	L0000826	L0000827
SRCGROUP	TRUCK2N	L0000828	L0000829	L0000830	L0000831	L0000832	L0000833
SRCGROUP	TRUCK2N	L0000834	L0000835	L0000836	L0000837	L0000838	L0000839
SRCGROUP	TRUCK2N	L0000840	L0000841	L0000842	L0000843	L0000844	L0000845
SRCGROUP	TRUCK2N	L0000846	L0000847	L0000848	L0000849	L0000850	L0000851
SRCGROUP	TRUCK2N	L0000852	L0000853	L0000854	L0000855	L0000856	L0000857
SRCGROUP	TRUCK2N	L0000858	L0000859	L0000860	L0000861	L0000862	L0000863
SRCGROUP	TRUCK2N	L0000864	L0000865	L0000866	L0000867	L0000868	L0000869
SRCGROUP	TRUCK2N	L0000870	L0000871	L0000872	L0000873	L0000874	L0000875
SRCGROUP	TRUCK2N	L0000876	L0000877	L0000878	L0000879	L0000880	L0000881
SRCGROUP	TRUCK2N	L0000882	L0000883	L0000884	L0000885	L0000886	L0000887
SRCGROUP	TRUCK2N	L0000888	L0000889	L0000890	L0000891	L0000892	L0000893
SRCGROUP	TRUCK2N	L0000894	L0000895	L0000896	L0000897	L0000898	L0000899
SRCGROUP	TRUCK2N	L0000900	L0000901	L0000902	L0000903	L0000904	L0000905
SRCGROUP	TRUCK2N	L0000906	L0000907	L0000908	L0000909	L0000910	L0000911
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SRCGROUP	TRUCK2N	L0000918	L0000919	L0000920	L0000921	L0000922	L0000923
SRCGROUP	TRUCK2N	L0000924	L0000925	L0000926	L0000927	L0000928	L0000929
SRCGROUP	TRUCK2N	L0000930	L0000931	L0000932	L0000933	L0000934	L0000935
SRCGROUP	TRUCK2N	L0000936	L0000937	L0000938	L0000939	L0000940	L0000941
SRCGROUP	TRUCK2N	L0000942	L0000943	L0000944	L0000945	L0000946	L0000947
SRCGROUP	TRUCK2N	L0000948	L0000949	L0000950	L0000951	L0000952	L0000953
SRCGROUP	TRUCK2N	L0000954	L0000955	L0000956	L0000957	L0000958	L0000959
SRCGROUP	TRUCK2N	L0000960	L0000961	L0000962	L0000963	L0000964	L0000965
SRCGROUP	TRUCK2N	L0000966	L0000967	L0000968	L0000969	L0000970	L0000971
SRCGROUP	TRUCK2N	L0000972	L0000973	L0000974	L0000975	L0000976	L0000977
SRCGROUP	TRUCK2N	L0000978	L0000979	L0000980	L0000981	L0000982	L0000983
SRCGROUP	TRUCK2N	L0000984	L0000985	L0000986	L0000987	L0000988	L0000989
SRCGROUP	TRUCK2N	L0000990	L0000991	L0000992	L0000993	L0000994	L0000995
SRCGROUP	TRUCK2N	L0000996	L0000997	L0000998	L0000999	L0001000	L0001001
SRCGROUP	TRUCK2N	L0001002	L0001003	L0001004	L0001005	L0001006	L0001007
SRCGROUP	TRUCK2N	L0001008	L0001009	L0001010	L0001011	L0001012	L0001013
SRCGROUP	TRUCK2N	L0001014	L0001015	L0001016	L0001017	L0001018	L0001019
SRCGROUP	TRUCK2N	L0001020	L0001021	L0001022	L0001023	L0001024	L0001025
SRCGROUP	TRUCK2N	L0001026	L0001027	L0001028	L0001029	L0001030	L0001031
SRCGROUP	TRUCK2N	L0001032	L0001033	L0001034	L0001035	L0001036	L0001037
SRCGROUP	TRUCK2N	L0001038	L0001039	L0001040	L0001041	L0001042	L0001043
SRCGROUP	TRUCK2N	L0001044	L0001045	L0001046	L0001047	L0001048	L0001049
SRCGROUP	TRUCK2N	L0001050	L0001051	L0001052	L0001053	L0001054	L0001055
SRCGROUP	TRUCK2N	L0001056	L0001057	L0001058			
SRCGROUP	TRUCK3S	L0000498	L0000499	L0000500	L0000501	L0000502	L0000503
SRCGROUP	TRUCK3S	L0000504	L0000505	L0000506	L0000507	L0000508	L0000509
SRCGROUP	TRUCK3S	L0000510	L0000511	L0000512	L0000513	L0000514	L0000515
SRCGROUP	TRUCK3S	L0000516	L0000517	L0000518	L0000519	L0000520	L0000521
SRCGROUP	TRUCK3S	L0000522	L0000523	L0000524	L0000525	L0000526	L0000527
SRCGROUP	TRUCK3S	L0000528	L0000529	L0000530	L0000531	L0000532	L0000533
SRCGROUP	TRUCK3S	L0000534	L0000535	L0000536	L0000537	L0000538	L0000539
SRCGROUP	TRUCK3S	L0000540	L0000541	L0000542	L0000543	L0000544	L0000545
SRCGROUP	TRUCK3S	L0000546	L0000547	L0000548	L0000549	L0000550	L0000551
SRCGROUP	TRUCK3S	L0000552	L0000553	L0000554	L0000555	L0000556	L0000557

SRCGROUP TRUCK3S L0000558 L0000559 L0000560 L0000561 L0000562 L0000563
SRCGROUP TRUCK3S L0000564 L0000565 L0000566 L0000567 L0000568 L0000569
SRCGROUP TRUCK3S L0000570 L0000571 L0000572 L0000573 L0000574 L0000575
SRCGROUP TRUCK3S L0000576 L0000577 L0000578 L0000579 L0000580 L0000581
SRCGROUP TRUCK3S L0000582 L0000583 L0000584 L0000585 L0000586 L0000587
SRCGROUP TRUCK3S L0000588 L0000589 L0000590 L0000591 L0000592 L0000593
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SRCGROUP TRUCK3S L0000606 L0000607 L0000608 L0000609 L0000610 L0000611
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SRCGROUP TRUCK3S L0000618 L0000619 L0000620 L0000621 L0000622 L0000623
SRCGROUP TRUCK3S L0000624 L0000625 L0000626 L0000627 L0000628 L0000629
SRCGROUP TRUCK3S L0000630 L0000631 L0000632 L0000633 L0000634 L0000635
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SRCGROUP TRUCK3S L0000666 L0000667 L0000668 L0000669 L0000670 L0000671
SRCGROUP TRUCK3S L0000672 L0000673 L0000674 L0000675 L0000676 L0000677
SRCGROUP TRUCK3S L0000678 L0000679 L0000680 L0000681 L0000682 L0000683
SRCGROUP TRUCK3S L0000684 L0000685 L0000686 L0000687 L0000688 L0000689
SRCGROUP TRUCK3S L0000690 L0000691 L0000692 L0000693 L0000694 L0000695
SRCGROUP TRUCK3S L0000696 L0000697 L0000698 L0000699 L0000700 L0000701
SRCGROUP TRUCK3S L0000702 L0000703 L0000704 L0000705 L0000706 L0000707
SRCGROUP TRUCK3S L0000708 L0000709 L0000710 L0000711 L0000712 L0000713
SRCGROUP TRUCK3S L0000714 L0000715 L0000716 L0000717 L0000718 L0000719
SRCGROUP TRUCK3S L0000720 L0000721 L0000722 L0000723 L0000724 L0000725
SRCGROUP TRUCK3S L0000726 L0000727 L0000728 L0000729 L0000730 L0000731
SRCGROUP TRUCK3S L0000732 L0000733 L0000734 L0000735 L0000736 L0000737
SRCGROUP TRUCK3S L0000738 L0000739 L0000740 L0000741 L0000742 L0000743
SRCGROUP TRUCK3S L0000744 L0000745 L0000746 L0000747 L0000748 L0000749
SRCGROUP TRUCK3S L0000750 L0000751 L0000752 L0000753 L0000754 L0000755
SRCGROUP TRUCK3S L0000756 L0000757 L0000758 L0000759 L0000760 L0000761
SRCGROUP TRUCK3S L0000762 L0000763 L0000764 L0000765 L0000766 L0000767
SRCGROUP TRUCK3S L0000768 L0000769 L0000770 L0000771 L0000772 L0000773
SRCGROUP TRUCK3S L0000774 L0000775 L0000776 L0000777 L0000778 L0000779
SRCGROUP TRUCK3S L0000780 L0000781 L0000782 L0000783 L0000784 L0000785
SRCGROUP TRUCK3S L0000786 L0000787 L0000788 L0000789 L0000790 L0000791
SRCGROUP TRUCK3S L0000792 L0000793 L0000794 L0000795 L0000796 L0000797
SRCGROUP TRUCK3S L0000798 L0000799 L0000800 L0000801 L0000802 L0000803
SRCGROUP TRUCK3S L0000804 L0000805 L0000806 L0000807 L0000808 L0000809
SRCGROUP EMGBldg1 STCK2
SRCGROUP EMGBldg2 STCK4
SRCGROUP EMGBldg3 STCK3
SRCGROUP EMGBldg4 STCK1
SRCGROUP EMGPA-A STCK5
SRCGROUP ALL

S0 FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Rohr Wohl Operations.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

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ME STARTING

SURFFILE CVA_2010_2012_sigma_v22112.SFC

PROFFILE CVA_2010_2012_sigma_v22112.PFL

SURFDATA 23188 2010 SAN_DIEGO/LINDBERGH_FIELD

UAIRDATA 3190 2010

SITEDATA 1 2010

PROFBASE 55.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 YRDTRK 1ST "Rohr Wohl Operations.AD\01H1G001.PLT" 31

PLOTFILE 1 IDLE 1ST "Rohr Wohl Operations.AD\01H1G002.PLT" 32

PLOTFILE 1 FORKLIFT 1ST "Rohr Wohl Operations.AD\01H1G003.PLT" 33

PLOTFILE 1 TRUs 1ST "Rohr Wohl Operations.AD\01H1G004.PLT" 34

PLOTFILE 1 TRUCK1E 1ST "Rohr Wohl Operations.AD\01H1G005.PLT" 35

PLOTFILE 1 TRUCK2N 1ST "Rohr Wohl Operations.AD\01H1G006.PLT" 36

PLOTFILE 1 ALL 1ST "Rohr Wohl Operations.AD\01H1GALL.PLT" 37

PLOTFILE 1 TRUCK3S 1ST "Rohr Wohl Operations.AD\01H1G007.PLT" 38

PLOTFILE 1 EMGBldg1 1ST "Rohr Wohl Operations.AD\01H1G008.PLT" 39

PLOTFILE 1 EMGBldg2 1ST "Rohr Wohl Operations.AD\01H1G009.PLT" 40

PLOTFILE 1 EMGBldg3 1ST "Rohr Wohl Operations.AD\01H1G010.PLT" 41

PLOTFILE 1 EMGBldg4 1ST "Rohr Wohl Operations.AD\01H1G011.PLT" 42

PLOTFILE 1 EMGPA-A 1ST "Rohr Wohl Operations.AD\01H1G012.PLT" 43

PLOTFILE PERIOD YRDTRK "Rohr Wohl Operations.AD\PE00G001.PLT" 44

PLOTFILE PERIOD IDLE "Rohr Wohl Operations.AD\PE00G002.PLT" 45

PLOTFILE PERIOD FORKLIFT "Rohr Wohl Operations.AD\PE00G003.PLT" 46

PLOTFILE PERIOD TRUs "Rohr Wohl Operations.AD\PE00G004.PLT" 47

PLOTFILE PERIOD TRUCK1E "Rohr Wohl Operations.AD\PE00G005.PLT" 48

PLOTFILE PERIOD TRUCK2N "Rohr Wohl Operations.AD\PE00G006.PLT" 49
PLOTFILE PERIOD ALL "Rohr Wohl Operations.AD\PE00GALL.PLT" 50
PLOTFILE PERIOD TRUCK3S "Rohr Wohl Operations.AD\PE00G007.PLT" 51
PLOTFILE PERIOD EMGBldg1 "Rohr Wohl Operations.AD\PE00G008.PLT" 52
PLOTFILE PERIOD EMGBldg2 "Rohr Wohl Operations.AD\PE00G009.PLT" 53
PLOTFILE PERIOD EMGBldg3 "Rohr Wohl Operations.AD\PE00G010.PLT" 54
PLOTFILE PERIOD EMGBldg4 "Rohr Wohl Operations.AD\PE00G011.PLT" 55
PLOTFILE PERIOD EMGPA-A "Rohr Wohl Operations.AD\PE00G012.PLT" 56
SUMMFILE "Rohr Wohl Operations.sum"
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 6 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
SO W320 2804 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2805 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2806 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2807 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2808 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
MX W403 3221 PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** MODEL SETUP OPTIONS SUMMARY

**- Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses RURAL Dispersion Only.
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1227 Source(s); 13 Source Group(s); and 1701
Receptor(s)

with: 5 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1222 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 22112

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and

Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 55.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 6.8 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Rohr Wohl Operations.err

**File for Summary of Results: Rohr Wohl Operations.sum

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*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** POINT SOURCE DATA ***

STACK	STACK	NUMBER	EMISSION RATE	BASE	STACK	STACK		
SOURCE	BLDG	URBAN	CAP/	EMIS RATE	ELEV.	HEIGHT	TEMP.	EXIT
VEL. DIAMETER	EXISTS	SOURCE	HOR	SCALAR	(METERS)	(METERS)	(DEG.K)	
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)	
(M/SEC)	(METERS)		VARY BY					

STCK1	0	0.10000E+01	490463.3	3610158.4	2.9	2.50	772.59	
61.11	0.13	YES	NO	NO				
STCK2	0	0.10000E+01	490645.0	3610297.0	3.5	2.50	772.59	
61.11	0.13	YES	NO	NO				

STCK3	0	0.10000E+01	490635.0	3610294.0	3.4	2.50	772.59
61.11	0.13	YES NO NO					
STCK4	0	0.10000E+01	490583.0	3610173.0	3.0	2.50	772.59
61.11	0.13	YES NO NO					
STCK5	0	0.10000E+01	490826.0	3610229.2	4.4	2.50	772.59
61.11	0.13	YES NO NO					

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0001253	0	0.69471E-02	490434.5	3610350.0	2.7	3.40	4.51
3.16	NO						
L0001254	0	0.69471E-02	490437.3	3610340.7	2.7	3.40	4.51
3.16	NO						
L0001255	0	0.69471E-02	490440.1	3610331.4	2.7	3.40	4.51
3.16	NO						
L0001256	0	0.69471E-02	490443.0	3610322.2	2.7	3.40	4.51
3.16	NO						
L0001257	0	0.69471E-02	490445.8	3610312.9	2.7	3.40	4.51
3.16	NO						
L0001258	0	0.69471E-02	490448.6	3610303.6	2.7	3.40	4.51
3.16	NO						
L0001259	0	0.69471E-02	490451.4	3610294.3	2.7	3.40	4.51
3.16	NO						
L0001260	0	0.69471E-02	490454.2	3610285.0	2.7	3.40	4.51
3.16	NO						
L0001261	0	0.69471E-02	490457.1	3610275.8	2.8	3.40	4.51
3.16	NO						
L0001262	0	0.69471E-02	490459.9	3610266.5	2.8	3.40	4.51
3.16	NO						
L0001263	0	0.69471E-02	490462.7	3610257.2	2.8	3.40	4.51
3.16	NO						
L0001264	0	0.69471E-02	490465.5	3610247.9	2.8	3.40	4.51
3.16	NO						

L0001265	0	0.69471E-02	490468.4	3610238.6	2.8	3.40	4.51
3.16 NO							
L0001266	0	0.69471E-02	490471.2	3610229.4	2.8	3.40	4.51
3.16 NO							
L0001267	0	0.69471E-02	490474.0	3610220.1	2.8	3.40	4.51
3.16 NO							
L0001268	0	0.69471E-02	490476.8	3610210.8	2.8	3.40	4.51
3.16 NO							
L0001269	0	0.69471E-02	490479.6	3610201.5	2.9	3.40	4.51
3.16 NO							
L0001270	0	0.69462E-02	490593.5	3610237.3	3.2	3.40	1.72
3.16 NO							
L0001271	0	0.69462E-02	490597.1	3610238.2	3.2	3.40	1.72
3.16 NO							
L0001272	0	0.69462E-02	490600.6	3610239.1	3.2	3.40	1.72
3.16 NO							
L0001273	0	0.69462E-02	490604.2	3610240.0	3.2	3.40	1.72
3.16 NO							
L0001274	0	0.69462E-02	490607.8	3610241.0	3.2	3.40	1.72
3.16 NO							
L0001275	0	0.69462E-02	490611.4	3610241.9	3.2	3.40	1.72
3.16 NO							
L0001276	0	0.69462E-02	490615.0	3610242.8	3.2	3.40	1.72
3.16 NO							
L0001277	0	0.69462E-02	490618.6	3610243.7	3.2	3.40	1.72
3.16 NO							
L0001278	0	0.69462E-02	490622.2	3610244.6	3.2	3.40	1.72
3.16 NO							
L0001279	0	0.69462E-02	490625.8	3610245.5	3.2	3.40	1.72
3.16 NO							
L0001280	0	0.69462E-02	490629.3	3610246.4	3.2	3.40	1.72
3.16 NO							
L0001281	0	0.69462E-02	490632.9	3610247.3	3.2	3.40	1.72
3.16 NO							
L0001282	0	0.69462E-02	490636.5	3610248.2	3.3	3.40	1.72
3.16 NO							
L0001283	0	0.69417E-02	490673.1	3610262.7	3.6	3.40	1.72
3.16 NO							
L0001284	0	0.69417E-02	490676.7	3610263.5	3.7	3.40	1.72
3.16 NO							
L0001285	0	0.69417E-02	490680.3	3610264.3	3.7	3.40	1.72
3.16 NO							
L0001286	0	0.69417E-02	490683.9	3610265.2	3.8	3.40	1.72
3.16 NO							
L0001287	0	0.69417E-02	490687.6	3610266.0	3.8	3.40	1.72
3.16 NO							
L0001288	0	0.69417E-02	490691.2	3610266.8	3.8	3.40	1.72
3.16 NO							
L0001289	0	0.69417E-02	490694.8	3610267.6	3.8	3.40	1.72
3.16 NO							

L0001290	0	0.69417E-02	490698.4	3610268.4	3.8	3.40	1.72
3.16 NO							
L0001291	0	0.69417E-02	490702.0	3610269.3	3.8	3.40	1.72
3.16 NO							
L0001292	0	0.69417E-02	490705.6	3610270.1	3.8	3.40	1.72
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0001293	0	0.69417E-02	490709.2	3610270.9	3.8	3.40	1.72
3.16 NO							
L0001294	0	0.69417E-02	490712.8	3610271.7	3.8	3.40	1.72
3.16 NO							
L0001295	0	0.69429E-02	490585.5	3610391.7	3.3	0.00	1.72
3.16 NO							
L0001296	0	0.69429E-02	490586.4	3610388.1	3.4	0.00	1.72
3.16 NO							
L0001297	0	0.69429E-02	490587.4	3610384.5	3.4	0.00	1.72
3.16 NO							
L0001298	0	0.69429E-02	490588.4	3610381.0	3.4	0.00	1.72
3.16 NO							
L0001299	0	0.69429E-02	490589.4	3610377.4	3.4	0.00	1.72
3.16 NO							
L0001300	0	0.69429E-02	490590.3	3610373.8	3.4	0.00	1.72
3.16 NO							
L0001301	0	0.69429E-02	490591.3	3610370.3	3.4	0.00	1.72
3.16 NO							
L0001302	0	0.69429E-02	490592.3	3610366.7	3.4	0.00	1.72
3.16 NO							
L0001303	0	0.69429E-02	490593.3	3610363.1	3.4	0.00	1.72
3.16 NO							
L0001304	0	0.69429E-02	490594.2	3610359.5	3.4	0.00	1.72
3.16 NO							

L0001305	0	0.69429E-02	490595.2	3610356.0	3.4	0.00	1.72
3.16 NO							
L0001306	0	0.69429E-02	490596.2	3610352.4	3.4	0.00	1.72
3.16 NO							
L0001307	0	0.69429E-02	490597.2	3610348.8	3.4	0.00	1.72
3.16 NO							
L0001308	0	0.69429E-02	490598.1	3610345.3	3.4	0.00	1.72
3.16 NO							
L0001309	0	0.69429E-02	490599.1	3610341.7	3.4	0.00	1.72
3.16 NO							
L0001310	0	0.69429E-02	490600.1	3610338.1	3.4	0.00	1.72
3.16 NO							
L0001311	0	0.69429E-02	490601.1	3610334.6	3.4	0.00	1.72
3.16 NO							
L0001312	0	0.69429E-02	490602.0	3610331.0	3.4	0.00	1.72
3.16 NO							
L0001313	0	0.69429E-02	490603.0	3610327.4	3.4	0.00	1.72
3.16 NO							
L0001314	0	0.69429E-02	490604.0	3610323.8	3.4	0.00	1.72
3.16 NO							
L0001315	0	0.69429E-02	490604.9	3610320.3	3.4	0.00	1.72
3.16 NO							
L0001316	0	0.69455E-02	490648.4	3610376.3	3.6	3.40	1.72
3.16 NO							
L0001317	0	0.69455E-02	490649.4	3610372.7	3.6	3.40	1.72
3.16 NO							
L0001318	0	0.69455E-02	490650.5	3610369.2	3.6	3.40	1.72
3.16 NO							
L0001319	0	0.69455E-02	490651.5	3610365.6	3.6	3.40	1.72
3.16 NO							
L0001320	0	0.69455E-02	490652.5	3610362.1	3.6	3.40	1.72
3.16 NO							
L0001321	0	0.69455E-02	490653.5	3610358.5	3.6	3.40	1.72
3.16 NO							
L0001322	0	0.69455E-02	490654.6	3610355.0	3.6	3.40	1.72
3.16 NO							
L0001323	0	0.69455E-02	490655.6	3610351.4	3.6	3.40	1.72
3.16 NO							
L0001324	0	0.69455E-02	490656.6	3610347.8	3.6	3.40	1.72
3.16 NO							
L0001325	0	0.69455E-02	490657.6	3610344.3	3.6	3.40	1.72
3.16 NO							
L0001326	0	0.69455E-02	490658.7	3610340.7	3.6	3.40	1.72
3.16 NO							
L0001327	0	0.69443E-02	490754.9	3610467.3	5.2	3.40	1.72
3.16 NO							
L0001328	0	0.69443E-02	490756.0	3610463.8	5.3	3.40	1.72
3.16 NO							
L0001329	0	0.69443E-02	490757.1	3610460.3	5.3	3.40	1.72
3.16 NO							

L0001330	0	0.69443E-02	490758.2	3610456.7	5.3	3.40	1.72
3.16 NO							
L0001331	0	0.69443E-02	490759.3	3610453.2	5.4	3.40	1.72
3.16 NO							
L0001332	0	0.69443E-02	490760.4	3610449.7	5.4	3.40	1.72
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0001333	0	0.69443E-02	490761.5	3610446.1	5.4	3.40	1.72
3.16 NO							
L0001334	0	0.69443E-02	490762.6	3610442.6	5.4	3.40	1.72
3.16 NO							
L0001335	0	0.69443E-02	490763.8	3610439.1	5.4	3.40	1.72
3.16 NO							
L0001336	0	0.69443E-02	490764.9	3610435.6	5.3	3.40	1.72
3.16 NO							
L0001337	0	0.69443E-02	490766.0	3610432.0	5.2	3.40	1.72
3.16 NO							
L0001338	0	0.69443E-02	490767.1	3610428.5	5.1	3.40	1.72
3.16 NO							
L0001339	0	0.69443E-02	490768.2	3610425.0	5.1	3.40	1.72
3.16 NO							
L0001340	0	0.69443E-02	490769.3	3610421.4	5.0	3.40	1.72
3.16 NO							
L0001341	0	0.69443E-02	490770.4	3610417.9	5.0	3.40	1.72
3.16 NO							
L0001342	0	0.69443E-02	490771.6	3610414.4	4.9	3.40	1.72
3.16 NO							
L0001343	0	0.69443E-02	490772.7	3610410.9	4.9	3.40	1.72
3.16 NO							
L0001344	0	0.69443E-02	490773.8	3610407.3	4.9	3.40	1.72
3.16 NO							

L0001345	0	0.69443E-02	490774.9	3610403.8	4.9	3.40	1.72
3.16 NO							
L0001346	0	0.69443E-02	490776.0	3610400.3	4.9	3.40	1.72
3.16 NO							
L0001347	0	0.69443E-02	490777.1	3610396.7	4.9	3.40	1.72
3.16 NO							
L0001348	0	0.69443E-02	490778.2	3610393.2	5.0	3.40	1.72
3.16 NO							
L0001349	0	0.69443E-02	490779.3	3610389.7	5.0	3.40	1.72
3.16 NO							
L0001350	0	0.69443E-02	490780.5	3610386.2	5.0	3.40	1.72
3.16 NO							
L0001351	0	0.69443E-02	490781.6	3610382.6	5.0	3.40	1.72
3.16 NO							
L0001352	0	0.69443E-02	490782.7	3610379.1	5.0	3.40	1.72
3.16 NO							
L0001353	0	0.69443E-02	490783.8	3610375.6	5.0	3.40	1.72
3.16 NO							
L0001354	0	0.69443E-02	490784.9	3610372.0	4.9	3.40	1.72
3.16 NO							
L0001355	0	0.69443E-02	490786.0	3610368.5	4.9	3.40	1.72
3.16 NO							
L0001356	0	0.69443E-02	490787.1	3610365.0	4.9	3.40	1.72
3.16 NO							
L0001357	0	0.69443E-02	490788.2	3610361.5	4.9	3.40	1.72
3.16 NO							
L0001358	0	0.69443E-02	490789.4	3610357.9	4.8	3.40	1.72
3.16 NO							
L0001359	0	0.69443E-02	490790.5	3610354.4	4.8	3.40	1.72
3.16 NO							
L0001360	0	0.69443E-02	490791.6	3610350.9	4.8	3.40	1.72
3.16 NO							
L0001361	0	0.69443E-02	490792.7	3610347.3	4.8	3.40	1.72
3.16 NO							
L0001362	0	0.69443E-02	490793.8	3610343.8	4.8	3.40	1.72
3.16 NO							
L0001363	0	0.69443E-02	490794.9	3610340.3	4.7	3.40	1.72
3.16 NO							
L0001364	0	0.69443E-02	490796.0	3610336.8	4.7	3.40	1.72
3.16 NO							
L0001365	0	0.69443E-02	490797.1	3610333.2	4.7	3.40	1.72
3.16 NO							
L0001366	0	0.69443E-02	490798.3	3610329.7	4.7	3.40	1.72
3.16 NO							
L0001367	0	0.69443E-02	490799.4	3610326.2	4.7	3.40	1.72
3.16 NO							
L0001368	0	0.69443E-02	490800.5	3610322.6	4.7	3.40	1.72
3.16 NO							
L0001369	0	0.69443E-02	490801.6	3610319.1	4.7	3.40	1.72
3.16 NO							

L0001370	0	0.69443E-02	490802.7	3610315.6	4.7	3.40	1.72
3.16 NO							
L0001371	0	0.69443E-02	490803.8	3610312.1	4.7	3.40	1.72
3.16 NO							
L0001372	0	0.69443E-02	490804.9	3610308.5	4.7	3.40	1.72
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0001373	0	0.69443E-02	490806.0	3610305.0	4.7	3.40	1.72
3.16 NO							
L0001374	0	0.69443E-02	490807.2	3610301.5	4.8	3.40	1.72
3.16 NO							
L0001375	0	0.69443E-02	490808.3	3610297.9	4.8	3.40	1.72
3.16 NO							
L0001376	0	0.69443E-02	490809.4	3610294.4	4.8	3.40	1.72
3.16 NO							
L0001377	0	0.69443E-02	490810.5	3610290.9	4.8	3.40	1.72
3.16 NO							
L0001378	0	0.69443E-02	490811.6	3610287.4	4.8	3.40	1.72
3.16 NO							
L0001379	0	0.69443E-02	490812.7	3610283.8	4.8	3.40	1.72
3.16 NO							
L0001380	0	0.69443E-02	490813.8	3610280.3	4.8	3.40	1.72
3.16 NO							
L0001381	0	0.69443E-02	490815.0	3610276.8	4.8	3.40	1.72
3.16 NO							
L0001382	0	0.69443E-02	490816.1	3610273.2	4.8	3.40	1.72
3.16 NO							
L0001383	0	0.69443E-02	490817.2	3610269.7	4.8	3.40	1.72
3.16 NO							
L0001384	0	0.69443E-02	490818.3	3610266.2	4.8	3.40	1.72
3.16 NO							

L0001385	0	0.69443E-02	490819.4	3610262.7	4.8	3.40	1.72
3.16 NO							
L0001386	0	0.69443E-02	490820.5	3610259.1	4.8	3.40	1.72
3.16 NO							
L0001387	0	0.69443E-02	490821.6	3610255.6	4.7	3.40	1.72
3.16 NO							
L0001388	0	0.69443E-02	490822.7	3610252.1	4.7	3.40	1.72
3.16 NO							
L0001389	0	0.69443E-02	490823.9	3610248.5	4.6	3.40	1.72
3.16 NO							
L0001390	0	0.69443E-02	490825.0	3610245.0	4.6	3.40	1.72
3.16 NO							
L0001391	0	0.69443E-02	490826.1	3610241.5	4.6	3.40	1.72
3.16 NO							
L0001392	0	0.69443E-02	490827.2	3610238.0	4.5	3.40	1.72
3.16 NO							
L0001393	0	0.69443E-02	490828.3	3610234.4	4.5	3.40	1.72
3.16 NO							
L0001394	0	0.69443E-02	490829.4	3610230.9	4.5	3.40	1.72
3.16 NO							
L0001395	0	0.69443E-02	490830.5	3610227.4	4.5	3.40	1.72
3.16 NO							
L0001396	0	0.69443E-02	490831.6	3610223.8	4.5	3.40	1.72
3.16 NO							
L0000175	0	0.30960E-02	490633.6	3610289.0	3.4	0.00	4.51
3.16 NO							
L0000176	0	0.30960E-02	490624.7	3610285.1	3.4	0.00	4.51
3.16 NO							
L0000177	0	0.30960E-02	490615.8	3610281.2	3.3	0.00	4.51
3.16 NO							
L0000178	0	0.30960E-02	490606.9	3610277.2	3.3	0.00	4.51
3.16 NO							
L0000179	0	0.30960E-02	490598.1	3610273.3	3.2	0.00	4.51
3.16 NO							
L0000180	0	0.30960E-02	490589.2	3610269.4	3.2	0.00	4.51
3.16 NO							
L0000181	0	0.30960E-02	490580.3	3610265.5	3.1	0.00	4.51
3.16 NO							
L0000182	0	0.30960E-02	490571.4	3610261.6	3.1	0.00	4.51
3.16 NO							
L0000183	0	0.30960E-02	490562.5	3610257.7	3.1	0.00	4.51
3.16 NO							
L0000184	0	0.30960E-02	490553.7	3610253.8	3.0	0.00	4.51
3.16 NO							
L0000185	0	0.30960E-02	490544.8	3610249.9	3.0	0.00	4.51
3.16 NO							
L0000186	0	0.30960E-02	490536.0	3610246.2	2.9	0.00	4.51
3.16 NO							
L0000187	0	0.30960E-02	490533.4	3610255.5	3.0	0.00	4.51
3.16 NO							

L0000188	0	0.30960E-02	490530.7	3610264.9	3.0	0.00	4.51
3.16 NO							
L0000189	0	0.30960E-02	490528.1	3610274.2	3.0	0.00	4.51
3.16 NO							
L0000190	0	0.30960E-02	490525.4	3610283.5	3.0	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000191	0	0.30960E-02	490522.8	3610292.9	3.0	0.00	4.51
3.16 NO							
L0000192	0	0.30960E-02	490520.2	3610302.2	3.0	0.00	4.51
3.16 NO							
L0000193	0	0.30960E-02	490517.5	3610311.5	3.0	0.00	4.51
3.16 NO							
L0000194	0	0.30960E-02	490514.9	3610320.9	3.0	0.00	4.51
3.16 NO							
L0000195	0	0.30960E-02	490512.3	3610330.2	2.9	0.00	4.51
3.16 NO							
L0000196	0	0.30960E-02	490509.6	3610339.5	2.9	0.00	4.51
3.16 NO							
L0000197	0	0.30960E-02	490507.0	3610348.9	2.8	0.00	4.51
3.16 NO							
L0000198	0	0.30960E-02	490504.3	3610358.2	2.8	0.00	4.51
3.16 NO							
L0000199	0	0.30960E-02	490501.7	3610367.6	2.7	0.00	4.51
3.16 NO							
L0000200	0	0.30960E-02	490499.1	3610376.9	2.7	0.00	4.51
3.16 NO							
L0000201	0	0.30960E-02	490496.4	3610386.2	2.6	0.00	4.51
3.16 NO							
L0000202	0	0.30960E-02	490493.8	3610395.6	2.6	0.00	4.51
3.16 NO							

L0000203	0	0.30960E-02	490491.2	3610404.9	2.5	0.00	4.51
3.16 NO							
L0000204	0	0.30960E-02	490488.5	3610414.2	2.5	0.00	4.51
3.16 NO							
L0000205	0	0.30960E-02	490485.9	3610423.6	2.7	0.00	4.51
3.16 NO							
L0000206	0	0.30960E-02	490483.2	3610432.9	2.9	0.00	4.51
3.16 NO							
L0000207	0	0.30960E-02	490474.7	3610430.5	2.8	0.00	4.51
3.16 NO							
L0000208	0	0.30960E-02	490465.6	3610427.1	2.7	0.00	4.51
3.16 NO							
L0000209	0	0.30960E-02	490456.6	3610423.7	2.6	0.00	4.51
3.16 NO							
L0000210	0	0.30960E-02	490447.5	3610420.2	2.6	0.00	4.51
3.16 NO							
L0000211	0	0.30960E-02	490438.4	3610416.8	2.6	0.00	4.51
3.16 NO							
L0000212	0	0.30960E-02	490429.3	3610413.4	2.7	0.00	4.51
3.16 NO							
L0000213	0	0.30960E-02	490420.3	3610409.9	2.8	0.00	4.51
3.16 NO							
L0000214	0	0.30960E-02	490411.2	3610406.5	2.9	0.00	4.51
3.16 NO							
L0000215	0	0.30960E-02	490402.1	3610403.1	2.9	0.00	4.51
3.16 NO							
L0000216	0	0.30960E-02	490393.1	3610399.6	2.9	0.00	4.51
3.16 NO							
L0000217	0	0.30960E-02	490384.0	3610396.2	2.9	0.00	4.51
3.16 NO							
L0000218	0	0.30960E-02	490374.9	3610392.8	2.9	0.00	4.51
3.16 NO							
L0000219	0	0.30960E-02	490365.8	3610389.3	3.0	0.00	4.51
3.16 NO							
L0000220	0	0.30960E-02	490356.8	3610385.9	3.0	0.00	4.51
3.16 NO							
L0000221	0	0.30960E-02	490347.7	3610382.5	3.1	0.00	4.51
3.16 NO							
L0000222	0	0.30960E-02	490338.6	3610379.0	3.1	0.00	4.51
3.16 NO							
L0000223	0	0.30960E-02	490333.0	3610374.0	3.2	0.00	4.51
3.16 NO							
L0000224	0	0.30960E-02	490336.1	3610364.8	3.2	0.00	4.51
3.16 NO							
L0000225	0	0.30960E-02	490339.2	3610355.6	3.2	0.00	4.51
3.16 NO							
L0000226	0	0.30960E-02	490342.3	3610346.4	3.2	0.00	4.51
3.16 NO							
L0000227	0	0.30960E-02	490345.4	3610337.2	3.2	0.00	4.51
3.16 NO							

L0000228	0	0.30960E-02	490348.5	3610328.0	3.2	0.00	4.51
3.16 NO							
L0000229	0	0.30960E-02	490351.6	3610318.8	3.2	0.00	4.51
3.16 NO							
L0000230	0	0.30960E-02	490354.7	3610309.6	3.3	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000231	0	0.30960E-02	490357.8	3610300.4	3.3	0.00	4.51
3.16 NO							
L0000232	0	0.30960E-02	490360.9	3610291.2	3.2	0.00	4.51
3.16 NO							
L0000233	0	0.30960E-02	490364.0	3610282.1	3.3	0.00	4.51
3.16 NO							
L0000234	0	0.30960E-02	490367.1	3610272.9	3.3	0.00	4.51
3.16 NO							
L0000235	0	0.30960E-02	490370.2	3610263.7	3.3	0.00	4.51
3.16 NO							
L0000236	0	0.30960E-02	490373.3	3610254.5	3.4	0.00	4.51
3.16 NO							
L0000237	0	0.30960E-02	490376.3	3610245.3	3.4	0.00	4.51
3.16 NO							
L0000238	0	0.30960E-02	490379.4	3610236.1	3.5	0.00	4.51
3.16 NO							
L0000239	0	0.30960E-02	490382.5	3610226.9	3.5	0.00	4.51
3.16 NO							
L0000240	0	0.30960E-02	490385.6	3610217.7	3.5	0.00	4.51
3.16 NO							
L0000241	0	0.30960E-02	490388.7	3610208.5	3.5	0.00	4.51
3.16 NO							
L0000242	0	0.30960E-02	490391.8	3610199.3	3.4	0.00	4.51
3.16 NO							

L0000243	0	0.30960E-02	490394.9	3610190.1	3.4	0.00	4.51
3.16 NO							
L0000244	0	0.30960E-02	490398.0	3610180.9	3.4	0.00	4.51
3.16 NO							
L0000245	0	0.30960E-02	490401.1	3610171.8	3.4	0.00	4.51
3.16 NO							
L0000246	0	0.30960E-02	490404.2	3610162.6	3.4	0.00	4.51
3.16 NO							
L0000247	0	0.30960E-02	490407.3	3610153.4	3.4	0.00	4.51
3.16 NO							
L0000248	0	0.30960E-02	490410.4	3610144.2	3.3	0.00	4.51
3.16 NO							
L0000249	0	0.30960E-02	490413.5	3610135.0	3.3	0.00	4.51
3.16 NO							
L0000250	0	0.30960E-02	490416.6	3610125.8	3.3	0.00	4.51
3.16 NO							
L0000251	0	0.30960E-02	490419.7	3610116.6	3.3	0.00	4.51
3.16 NO							
L0000252	0	0.30960E-02	490422.8	3610107.4	3.3	0.00	4.51
3.16 NO							
L0000253	0	0.30960E-02	490425.9	3610098.2	3.2	0.00	4.51
3.16 NO							
L0000254	0	0.30960E-02	490429.0	3610089.0	3.2	0.00	4.51
3.16 NO							
L0000255	0	0.30960E-02	490432.1	3610079.8	3.2	0.00	4.51
3.16 NO							
L0000256	0	0.30960E-02	490435.2	3610070.6	3.2	0.00	4.51
3.16 NO							
L0000257	0	0.30960E-02	490438.3	3610061.4	3.2	0.00	4.51
3.16 NO							
L0000258	0	0.30960E-02	490441.4	3610052.3	3.1	0.00	4.51
3.16 NO							
L0000259	0	0.30960E-02	490444.5	3610043.1	3.1	0.00	4.51
3.16 NO							
L0000260	0	0.30960E-02	490447.6	3610033.9	3.1	0.00	4.51
3.16 NO							
L0000261	0	0.30960E-02	490450.7	3610024.7	3.1	0.00	4.51
3.16 NO							
L0000262	0	0.30960E-02	490453.8	3610015.5	3.2	0.00	4.51
3.16 NO							
L0000263	0	0.30960E-02	490456.9	3610006.3	3.2	0.00	4.51
3.16 NO							
L0000264	0	0.30960E-02	490462.8	3610002.7	3.2	0.00	4.51
3.16 NO							
L0000265	0	0.30960E-02	490472.0	3610005.8	3.3	0.00	4.51
3.16 NO							
L0000266	0	0.30960E-02	490481.2	3610008.8	3.3	0.00	4.51
3.16 NO							
L0000267	0	0.30960E-02	490490.4	3610011.9	3.4	0.00	4.51
3.16 NO							

L0000268	0	0.30960E-02	490499.7	3610014.9	3.3	0.00	4.51
3.16 NO							
L0000269	0	0.30960E-02	490508.9	3610017.9	3.3	0.00	4.51
3.16 NO							
L0000270	0	0.30960E-02	490518.1	3610021.0	3.2	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000271	0	0.30960E-02	490527.3	3610024.0	3.2	0.00	4.51
3.16 NO							
L0000272	0	0.30960E-02	490536.5	3610027.0	3.2	0.00	4.51
3.16 NO							
L0000273	0	0.30960E-02	490545.7	3610030.1	3.2	0.00	4.51
3.16 NO							
L0000274	0	0.30960E-02	490554.9	3610033.1	3.2	0.00	4.51
3.16 NO							
L0000275	0	0.30960E-02	490564.1	3610036.1	3.2	0.00	4.51
3.16 NO							
L0000276	0	0.30960E-02	490573.4	3610039.2	3.2	0.00	4.51
3.16 NO							
L0000277	0	0.30960E-02	490582.6	3610042.2	3.3	0.00	4.51
3.16 NO							
L0000278	0	0.30960E-02	490591.8	3610045.2	3.4	0.00	4.51
3.16 NO							
L0000279	0	0.30960E-02	490601.0	3610048.3	3.4	0.00	4.51
3.16 NO							
L0000280	0	0.30960E-02	490610.2	3610051.3	3.4	0.00	4.51
3.16 NO							
L0000281	0	0.30960E-02	490619.4	3610054.4	3.4	0.00	4.51
3.16 NO							
L0000282	0	0.30960E-02	490628.6	3610057.4	3.4	0.00	4.51
3.16 NO							

L0000283	0	0.30960E-02	490637.8	3610060.4	3.4	0.00	4.51
3.16 NO							
L0000284	0	0.30960E-02	490647.1	3610063.5	3.3	0.00	4.51
3.16 NO							
L0000285	0	0.30960E-02	490656.3	3610066.5	3.3	0.00	4.51
3.16 NO							
L0000286	0	0.30960E-02	490665.5	3610069.5	3.3	0.00	4.51
3.16 NO							
L0000287	0	0.30960E-02	490674.7	3610072.6	3.4	0.00	4.51
3.16 NO							
L0000288	0	0.30960E-02	490683.9	3610075.6	3.5	0.00	4.51
3.16 NO							
L0000289	0	0.30960E-02	490693.1	3610078.6	3.5	0.00	4.51
3.16 NO							
L0000290	0	0.30960E-02	490702.3	3610081.7	3.6	0.00	4.51
3.16 NO							
L0000291	0	0.30960E-02	490711.5	3610084.7	3.7	0.00	4.51
3.16 NO							
L0000292	0	0.30960E-02	490720.8	3610087.8	3.6	0.00	4.51
3.16 NO							
L0000293	0	0.30960E-02	490730.0	3610090.8	3.6	0.00	4.51
3.16 NO							
L0000294	0	0.30960E-02	490739.2	3610093.8	3.5	0.00	4.51
3.16 NO							
L0000295	0	0.30960E-02	490748.4	3610096.9	3.5	0.00	4.51
3.16 NO							
L0000296	0	0.30960E-02	490757.6	3610099.9	3.5	0.00	4.51
3.16 NO							
L0000297	0	0.30960E-02	490766.8	3610102.9	3.5	0.00	4.51
3.16 NO							
L0000298	0	0.30960E-02	490776.0	3610106.0	3.5	0.00	4.51
3.16 NO							
L0000299	0	0.30960E-02	490785.2	3610109.0	3.5	0.00	4.51
3.16 NO							
L0000300	0	0.30960E-02	490794.5	3610112.0	3.6	0.00	4.51
3.16 NO							
L0000301	0	0.30960E-02	490803.7	3610115.1	3.7	0.00	4.51
3.16 NO							
L0000302	0	0.30960E-02	490812.9	3610118.1	3.7	0.00	4.51
3.16 NO							
L0000303	0	0.30960E-02	490822.1	3610121.1	3.7	0.00	4.51
3.16 NO							
L0000304	0	0.30960E-02	490831.3	3610124.2	3.8	0.00	4.51
3.16 NO							
L0000305	0	0.30960E-02	490840.5	3610127.2	3.8	0.00	4.51
3.16 NO							
L0000306	0	0.30960E-02	490849.7	3610130.3	4.0	0.00	4.51
3.16 NO							
L0000307	0	0.30960E-02	490858.9	3610133.3	4.2	0.00	4.51
3.16 NO							

L0000308	0	0.30960E-02	490868.2	3610136.3	4.4	0.00	4.51
3.16 NO							
L0000309	0	0.30960E-02	490877.4	3610139.4	4.6	0.00	4.51
3.16 NO							
L0000310	0	0.30960E-02	490886.6	3610142.4	4.8	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000311	0	0.30960E-02	490895.8	3610145.4	5.0	0.00	4.51
3.16 NO							
L0000312	0	0.30960E-02	490905.0	3610148.5	5.2	0.00	4.51
3.16 NO							
L0000313	0	0.30960E-02	490914.2	3610151.5	5.5	0.00	4.51
3.16 NO							
L0000314	0	0.30960E-02	490923.4	3610154.5	6.0	0.00	4.51
3.16 NO							
L0000315	0	0.30960E-02	490932.6	3610157.6	6.6	0.00	4.51
3.16 NO							
L0000316	0	0.30960E-02	490941.9	3610160.6	7.2	0.00	4.51
3.16 NO							
L0000317	0	0.30960E-02	490951.1	3610163.7	7.8	0.00	4.51
3.16 NO							
L0000318	0	0.30960E-02	490960.3	3610166.7	8.4	0.00	4.51
3.16 NO							
L0000319	0	0.30960E-02	490969.5	3610169.7	8.8	0.00	4.51
3.16 NO							
L0000320	0	0.30960E-02	490978.7	3610172.8	7.2	0.00	4.51
3.16 NO							
L0000321	0	0.30960E-02	490987.9	3610175.8	5.2	0.00	4.51
3.16 NO							
L0000322	0	0.30960E-02	490997.1	3610178.8	3.2	0.00	4.51
3.16 NO							

L0000323	0	0.30960E-02	491006.3	3610181.9	3.1	0.00	4.51
3.16 NO							
L0000324	0	0.30960E-02	491015.6	3610184.9	3.1	0.00	4.51
3.16 NO							
L0000325	0	0.30960E-02	491024.8	3610187.9	3.3	0.00	4.51
3.16 NO							
L0000326	0	0.30960E-02	491034.0	3610191.0	5.4	0.00	4.51
3.16 NO							
L0000327	0	0.30960E-02	491043.2	3610194.0	7.4	0.00	4.51
3.16 NO							
L0000328	0	0.30960E-02	491052.4	3610197.0	8.7	0.00	4.51
3.16 NO							
L0000329	0	0.30960E-02	491061.6	3610200.1	8.3	0.00	4.51
3.16 NO							
L0000330	0	0.30960E-02	491070.8	3610203.1	8.0	0.00	4.51
3.16 NO							
L0000331	0	0.30960E-02	491080.0	3610206.2	7.7	0.00	4.51
3.16 NO							
L0000332	0	0.30960E-02	491089.3	3610209.2	7.5	0.00	4.51
3.16 NO							
L0000333	0	0.30960E-02	491098.5	3610212.2	7.3	0.00	4.51
3.16 NO							
L0000334	0	0.30960E-02	491107.7	3610215.3	7.2	0.00	4.51
3.16 NO							
L0000335	0	0.30960E-02	491116.9	3610218.3	7.2	0.00	4.51
3.16 NO							
L0000336	0	0.30960E-02	491126.1	3610221.3	7.1	0.00	4.51
3.16 NO							
L0000337	0	0.30960E-02	491135.3	3610224.4	7.1	0.00	4.51
3.16 NO							
L0000338	0	0.30960E-02	491144.5	3610227.4	7.1	0.00	4.51
3.16 NO							
L0000339	0	0.30960E-02	491153.8	3610230.4	7.1	0.00	4.51
3.16 NO							
L0000340	0	0.30960E-02	491163.0	3610233.5	7.0	0.00	4.51
3.16 NO							
L0000341	0	0.30960E-02	491172.2	3610236.5	6.9	0.00	4.51
3.16 NO							
L0000342	0	0.30960E-02	491181.4	3610239.6	6.8	0.00	4.51
3.16 NO							
L0000343	0	0.30960E-02	491190.6	3610242.6	7.0	0.00	4.51
3.16 NO							
L0000344	0	0.30960E-02	491199.8	3610245.6	7.2	0.00	4.51
3.16 NO							
L0000345	0	0.30960E-02	491209.0	3610248.7	7.2	0.00	4.51
3.16 NO							
L0000346	0	0.30960E-02	491218.2	3610251.7	7.3	0.00	4.51
3.16 NO							
L0000347	0	0.30960E-02	491227.5	3610254.7	7.4	0.00	4.51
3.16 NO							

L0000348	0	0.30960E-02	491236.7	3610257.8	7.5	0.00	4.51
3.16 NO							
L0000349	0	0.30960E-02	491245.9	3610260.8	7.7	0.00	4.51
3.16 NO							
L0000350	0	0.30960E-02	491255.1	3610263.8	7.8	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000351	0	0.30960E-02	491264.3	3610266.9	8.0	0.00	4.51
3.16 NO							
L0000352	0	0.30960E-02	491273.5	3610269.9	8.3	0.00	4.51
3.16 NO							
L0000353	0	0.30960E-02	491282.7	3610272.9	8.5	0.00	4.51
3.16 NO							
L0000354	0	0.30960E-02	491291.9	3610276.0	8.5	0.00	4.51
3.16 NO							
L0000355	0	0.30960E-02	491301.2	3610279.0	8.5	0.00	4.51
3.16 NO							
L0000356	0	0.30960E-02	491310.4	3610282.1	8.5	0.00	4.51
3.16 NO							
L0000357	0	0.30960E-02	491319.6	3610285.1	8.7	0.00	4.51
3.16 NO							
L0000358	0	0.30960E-02	491328.8	3610288.1	8.8	0.00	4.51
3.16 NO							
L0000359	0	0.30960E-02	491338.0	3610291.2	9.0	0.00	4.51
3.16 NO							
L0000360	0	0.30960E-02	491347.2	3610294.2	9.1	0.00	4.51
3.16 NO							
L0000361	0	0.30960E-02	491356.4	3610297.2	9.2	0.00	4.51
3.16 NO							
L0000362	0	0.30960E-02	491365.6	3610300.3	9.4	0.00	4.51
3.16 NO							

L0000363	0	0.30960E-02	491374.9	3610303.3	9.6	0.00	4.51
3.16 NO							
L0000364	0	0.30960E-02	491384.1	3610306.3	9.7	0.00	4.51
3.16 NO							
L0000365	0	0.30960E-02	491393.3	3610309.4	9.9	0.00	4.51
3.16 NO							
L0000366	0	0.30960E-02	491402.5	3610312.4	10.0	0.00	4.51
3.16 NO							
L0000367	0	0.30960E-02	491411.7	3610315.5	10.1	0.00	4.51
3.16 NO							
L0000368	0	0.30960E-02	491420.9	3610318.5	10.1	0.00	4.51
3.16 NO							
L0000369	0	0.30960E-02	491430.1	3610321.5	10.2	0.00	4.51
3.16 NO							
L0000370	0	0.30960E-02	491439.3	3610324.6	10.4	0.00	4.51
3.16 NO							
L0000371	0	0.30960E-02	491448.6	3610327.6	10.5	0.00	4.51
3.16 NO							
L0000372	0	0.30960E-02	491457.8	3610330.6	10.7	0.00	4.51
3.16 NO							
L0000373	0	0.30960E-02	491467.0	3610333.7	10.8	0.00	4.51
3.16 NO							
L0000374	0	0.30960E-02	491476.2	3610336.7	10.9	0.00	4.51
3.16 NO							
L0000375	0	0.30960E-02	491485.4	3610339.7	11.0	0.00	4.51
3.16 NO							
L0000376	0	0.30960E-02	491494.6	3610342.8	11.0	0.00	4.51
3.16 NO							
L0000377	0	0.30960E-02	491503.8	3610345.8	11.2	0.00	4.51
3.16 NO							
L0000378	0	0.30960E-02	491513.0	3610348.8	11.5	0.00	4.51
3.16 NO							
L0000379	0	0.30960E-02	491522.3	3610351.9	11.7	0.00	4.51
3.16 NO							
L0000380	0	0.30960E-02	491531.5	3610354.9	11.8	0.00	4.51
3.16 NO							
L0000381	0	0.30960E-02	491540.7	3610358.0	11.9	0.00	4.51
3.16 NO							
L0000382	0	0.30960E-02	491549.9	3610361.0	12.0	0.00	4.51
3.16 NO							
L0000383	0	0.30960E-02	491559.1	3610364.0	12.2	0.00	4.51
3.16 NO							
L0000384	0	0.30960E-02	491568.3	3610367.1	12.4	0.00	4.51
3.16 NO							
L0000385	0	0.30960E-02	491577.5	3610370.1	12.6	0.00	4.51
3.16 NO							
L0000386	0	0.30960E-02	491586.7	3610373.1	12.7	0.00	4.51
3.16 NO							
L0000387	0	0.30960E-02	491596.0	3610376.2	12.8	0.00	4.51
3.16 NO							

L0000388	0	0.30960E-02	491605.2	3610379.2	12.8	0.00	4.51
3.16 NO							
L0000389	0	0.30960E-02	491614.4	3610382.2	12.9	0.00	4.51
3.16 NO							
L0000390	0	0.30960E-02	491623.6	3610385.3	13.0	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000391	0	0.30960E-02	491632.8	3610388.3	13.1	0.00	4.51
3.16 NO							
L0000392	0	0.30960E-02	491642.0	3610391.4	13.1	0.00	4.51
3.16 NO							
L0000393	0	0.30960E-02	491651.2	3610394.4	13.2	0.00	4.51
3.16 NO							
L0000394	0	0.30960E-02	491660.4	3610397.4	13.2	0.00	4.51
3.16 NO							
L0000395	0	0.30960E-02	491669.7	3610400.5	13.3	0.00	4.51
3.16 NO							
L0000396	0	0.30960E-02	491678.9	3610403.5	13.3	0.00	4.51
3.16 NO							
L0000397	0	0.30960E-02	491688.1	3610406.5	13.5	0.00	4.51
3.16 NO							
L0000398	0	0.30960E-02	491697.3	3610409.6	13.7	0.00	4.51
3.16 NO							
L0000399	0	0.30960E-02	491706.5	3610412.6	13.9	0.00	4.51
3.16 NO							
L0000400	0	0.30960E-02	491715.7	3610415.6	14.0	0.00	4.51
3.16 NO							
L0000401	0	0.30960E-02	491724.9	3610418.7	14.1	0.00	4.51
3.16 NO							
L0000402	0	0.30960E-02	491734.1	3610421.7	14.1	0.00	4.51
3.16 NO							

L0000403	0	0.30960E-02	491743.4	3610424.7	14.2	0.00	4.51
3.16 NO							
L0000404	0	0.30960E-02	491752.6	3610427.8	14.3	0.00	4.51
3.16 NO							
L0000405	0	0.30960E-02	491761.8	3610430.8	14.5	0.00	4.51
3.16 NO							
L0000406	0	0.30960E-02	491771.0	3610433.9	14.7	0.00	4.51
3.16 NO							
L0000407	0	0.30960E-02	491780.2	3610436.9	14.8	0.00	4.51
3.16 NO							
L0000408	0	0.30960E-02	491789.4	3610439.9	14.9	0.00	4.51
3.16 NO							
L0000409	0	0.30960E-02	491798.6	3610443.0	15.0	0.00	4.51
3.16 NO							
L0000410	0	0.30960E-02	491807.8	3610446.0	15.1	0.00	4.51
3.16 NO							
L0000411	0	0.30960E-02	491817.1	3610449.0	15.2	0.00	4.51
3.16 NO							
L0000412	0	0.30960E-02	491826.3	3610452.1	15.3	0.00	4.51
3.16 NO							
L0000413	0	0.30960E-02	491835.5	3610455.1	15.4	0.00	4.51
3.16 NO							
L0000414	0	0.30960E-02	491844.7	3610458.1	15.6	0.00	4.51
3.16 NO							
L0000415	0	0.30960E-02	491853.9	3610461.2	15.7	0.00	4.51
3.16 NO							
L0000416	0	0.30960E-02	491863.1	3610464.2	15.9	0.00	4.51
3.16 NO							
L0000417	0	0.30960E-02	491872.3	3610467.2	16.0	0.00	4.51
3.16 NO							
L0000418	0	0.30960E-02	491881.5	3610470.3	16.2	0.00	4.51
3.16 NO							
L0000419	0	0.30960E-02	491890.8	3610473.3	16.3	0.00	4.51
3.16 NO							
L0000420	0	0.30960E-02	491900.0	3610476.4	16.4	0.00	4.51
3.16 NO							
L0000421	0	0.30960E-02	491909.2	3610479.4	16.5	0.00	4.51
3.16 NO							
L0000422	0	0.30960E-02	491918.4	3610482.4	16.6	0.00	4.51
3.16 NO							
L0000423	0	0.30960E-02	491927.6	3610485.5	16.8	0.00	4.51
3.16 NO							
L0000424	0	0.30960E-02	491936.8	3610488.5	16.9	0.00	4.51
3.16 NO							
L0000425	0	0.30960E-02	491946.0	3610491.5	16.9	0.00	4.51
3.16 NO							
L0000426	0	0.30960E-02	491955.2	3610494.6	17.0	0.00	4.51
3.16 NO							
L0000427	0	0.30960E-02	491964.5	3610497.6	17.0	0.00	4.51
3.16 NO							

L0000428	0	0.30960E-02	491973.7	3610500.6	17.2	0.00	4.51
3.16 NO							
L0000429	0	0.30960E-02	491982.9	3610503.7	17.3	0.00	4.51
3.16 NO							
L0000430	0	0.30960E-02	491992.1	3610506.7	17.4	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000431	0	0.30960E-02	492001.3	3610509.8	17.5	0.00	4.51
3.16 NO							
L0000432	0	0.30960E-02	492010.5	3610512.8	17.6	0.00	4.51
3.16 NO							
L0000433	0	0.30960E-02	492019.7	3610515.8	17.7	0.00	4.51
3.16 NO							
L0000434	0	0.30960E-02	492029.0	3610518.9	17.8	0.00	4.51
3.16 NO							
L0000435	0	0.30960E-02	492038.2	3610521.9	17.9	0.00	4.51
3.16 NO							
L0000436	0	0.30960E-02	492047.4	3610524.9	18.0	0.00	4.51
3.16 NO							
L0000437	0	0.30960E-02	492056.6	3610528.0	18.1	0.00	4.51
3.16 NO							
L0000438	0	0.30960E-02	492065.8	3610531.0	18.2	0.00	4.51
3.16 NO							
L0000439	0	0.30960E-02	492075.0	3610534.0	18.3	0.00	4.51
3.16 NO							
L0000440	0	0.30960E-02	492084.2	3610537.1	18.5	0.00	4.51
3.16 NO							
L0000441	0	0.30960E-02	492093.4	3610540.1	18.7	0.00	4.51
3.16 NO							
L0000442	0	0.30960E-02	492102.7	3610543.1	18.8	0.00	4.51
3.16 NO							

L0000443	0	0.30960E-02	492111.9	3610546.2	18.8	0.00	4.51
3.16 NO							
L0000444	0	0.30960E-02	492121.1	3610549.2	18.8	0.00	4.51
3.16 NO							
L0000445	0	0.30960E-02	492130.3	3610552.3	18.9	0.00	4.51
3.16 NO							
L0000446	0	0.30960E-02	492139.5	3610555.3	18.9	0.00	4.51
3.16 NO							
L0000447	0	0.30960E-02	492148.7	3610558.3	19.1	0.00	4.51
3.16 NO							
L0000448	0	0.30960E-02	492157.9	3610561.4	19.2	0.00	4.51
3.16 NO							
L0000449	0	0.30960E-02	492167.1	3610564.4	19.4	0.00	4.51
3.16 NO							
L0000450	0	0.30960E-02	492176.4	3610567.4	19.5	0.00	4.51
3.16 NO							
L0000451	0	0.30960E-02	492185.6	3610570.5	19.5	0.00	4.51
3.16 NO							
L0000452	0	0.30960E-02	492194.8	3610573.5	19.5	0.00	4.51
3.16 NO							
L0000453	0	0.30960E-02	492204.0	3610576.5	19.6	0.00	4.51
3.16 NO							
L0000454	0	0.30960E-02	492213.2	3610579.6	19.6	0.00	4.51
3.16 NO							
L0000455	0	0.30960E-02	492222.4	3610582.6	19.7	0.00	4.51
3.16 NO							
L0000456	0	0.30960E-02	492231.6	3610585.7	19.9	0.00	4.51
3.16 NO							
L0000457	0	0.30960E-02	492240.8	3610588.7	20.1	0.00	4.51
3.16 NO							
L0000458	0	0.30960E-02	492250.1	3610591.7	20.3	0.00	4.51
3.16 NO							
L0000459	0	0.30960E-02	492259.3	3610594.8	20.4	0.00	4.51
3.16 NO							
L0000460	0	0.30960E-02	492268.5	3610597.8	20.5	0.00	4.51
3.16 NO							
L0000461	0	0.30960E-02	492277.7	3610600.8	20.6	0.00	4.51
3.16 NO							
L0000462	0	0.30960E-02	492286.9	3610603.9	20.7	0.00	4.51
3.16 NO							
L0000463	0	0.30960E-02	492296.1	3610606.9	20.8	0.00	4.51
3.16 NO							
L0000464	0	0.30960E-02	492305.3	3610609.9	20.9	0.00	4.51
3.16 NO							
L0000465	0	0.30960E-02	492314.5	3610613.0	21.0	0.00	4.51
3.16 NO							
L0000466	0	0.30960E-02	492323.8	3610616.0	21.0	0.00	4.51
3.16 NO							
L0000467	0	0.30960E-02	492333.0	3610619.0	21.1	0.00	4.51
3.16 NO							

L0000468	0	0.30960E-02	492342.2	3610622.1	21.3	0.00	4.51
3.16 NO							
L0000469	0	0.30960E-02	492351.4	3610625.1	21.5	0.00	4.51
3.16 NO							
L0000470	0	0.30960E-02	492360.6	3610628.2	21.6	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						

L0000471	0	0.30960E-02	492369.8	3610631.2	21.7	0.00	4.51
3.16 NO							
L0000472	0	0.30960E-02	492379.0	3610634.2	21.8	0.00	4.51
3.16 NO							
L0000473	0	0.30960E-02	492388.2	3610637.3	22.0	0.00	4.51
3.16 NO							
L0000474	0	0.30960E-02	492397.5	3610640.3	22.2	0.00	4.51
3.16 NO							
L0000475	0	0.30960E-02	492406.7	3610643.3	22.4	0.00	4.51
3.16 NO							
L0000476	0	0.30960E-02	492415.9	3610646.4	22.5	0.00	4.51
3.16 NO							
L0000477	0	0.30960E-02	492425.1	3610649.4	22.6	0.00	4.51
3.16 NO							
L0000478	0	0.30960E-02	492434.3	3610652.4	22.7	0.00	4.51
3.16 NO							
L0000479	0	0.30960E-02	492443.5	3610655.5	22.9	0.00	4.51
3.16 NO							
L0000480	0	0.30960E-02	492452.7	3610658.5	23.1	0.00	4.51
3.16 NO							
L0000481	0	0.30960E-02	492461.9	3610661.6	23.3	0.00	4.51
3.16 NO							
L0000482	0	0.30960E-02	492471.2	3610664.6	23.4	0.00	4.51
3.16 NO							

L0000483	0	0.30960E-02	492480.4	3610667.6	23.6	0.00	4.51
3.16 NO							
L0000484	0	0.30960E-02	492489.6	3610670.7	23.8	0.00	4.51
3.16 NO							
L0000485	0	0.30960E-02	492498.8	3610673.7	23.9	0.00	4.51
3.16 NO							
L0000486	0	0.30960E-02	492508.0	3610676.7	24.1	0.00	4.51
3.16 NO							
L0000487	0	0.30960E-02	492517.2	3610679.8	24.3	0.00	4.51
3.16 NO							
L0000488	0	0.30960E-02	492526.4	3610682.8	24.5	0.00	4.51
3.16 NO							
L0000489	0	0.30960E-02	492535.6	3610685.8	24.7	0.00	4.51
3.16 NO							
L0000490	0	0.30960E-02	492544.9	3610688.9	24.8	0.00	4.51
3.16 NO							
L0000491	0	0.30960E-02	492554.1	3610691.9	24.9	0.00	4.51
3.16 NO							
L0000492	0	0.30960E-02	492563.3	3610694.9	25.1	0.00	4.51
3.16 NO							
L0000493	0	0.30960E-02	492572.5	3610698.0	25.1	0.00	4.51
3.16 NO							
L0000494	0	0.30960E-02	492581.7	3610701.0	25.1	0.00	4.51
3.16 NO							
L0000495	0	0.30960E-02	492590.9	3610704.1	25.3	0.00	4.51
3.16 NO							
L0000496	0	0.30960E-02	492600.1	3610707.1	25.6	0.00	4.51
3.16 NO							
L0000497	0	0.30960E-02	492609.3	3610710.1	25.7	0.00	4.51
3.16 NO							
L0000498	0	0.32051E-02	490538.0	3610238.9	2.9	0.00	4.51
3.16 NO							
L0000499	0	0.32051E-02	490535.5	3610248.3	2.9	0.00	4.51
3.16 NO							
L0000500	0	0.32051E-02	490533.1	3610257.7	3.0	0.00	4.51
3.16 NO							
L0000501	0	0.32051E-02	490530.6	3610267.0	3.0	0.00	4.51
3.16 NO							
L0000502	0	0.32051E-02	490528.1	3610276.4	3.0	0.00	4.51
3.16 NO							
L0000503	0	0.32051E-02	490525.7	3610285.8	3.0	0.00	4.51
3.16 NO							
L0000504	0	0.32051E-02	490523.2	3610295.2	3.0	0.00	4.51
3.16 NO							
L0000505	0	0.32051E-02	490520.8	3610304.6	3.0	0.00	4.51
3.16 NO							
L0000506	0	0.32051E-02	490518.3	3610314.0	3.0	0.00	4.51
3.16 NO							
L0000507	0	0.32051E-02	490515.9	3610323.3	3.0	0.00	4.51
3.16 NO							

L0000508	0	0.32051E-02	490513.4	3610332.7	2.9	0.00	4.51
3.16 NO							
L0000509	0	0.32051E-02	490510.9	3610342.1	2.9	0.00	4.51
3.16 NO							
L0000510	0	0.32051E-02	490508.5	3610351.5	2.8	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000511	0	0.32051E-02	490506.0	3610360.9	2.8	0.00	4.51
3.16 NO							
L0000512	0	0.32051E-02	490503.6	3610370.3	2.7	0.00	4.51
3.16 NO							
L0000513	0	0.32051E-02	490501.1	3610379.6	2.7	0.00	4.51
3.16 NO							
L0000514	0	0.32051E-02	490498.7	3610389.0	2.6	0.00	4.51
3.16 NO							
L0000515	0	0.32051E-02	490496.2	3610398.4	2.6	0.00	4.51
3.16 NO							
L0000516	0	0.32051E-02	490493.7	3610407.8	2.5	0.00	4.51
3.16 NO							
L0000517	0	0.32051E-02	490491.3	3610417.2	2.6	0.00	4.51
3.16 NO							
L0000518	0	0.32051E-02	490488.8	3610426.6	2.8	0.00	4.51
3.16 NO							
L0000519	0	0.32051E-02	490486.4	3610435.9	2.9	0.00	4.51
3.16 NO							
L0000520	0	0.32051E-02	490478.7	3610435.3	2.9	0.00	4.51
3.16 NO							
L0000521	0	0.32051E-02	490469.7	3610431.9	2.8	0.00	4.51
3.16 NO							
L0000522	0	0.32051E-02	490460.6	3610428.4	2.7	0.00	4.51
3.16 NO							

L0000523	0	0.32051E-02	490451.5	3610425.0	2.7	0.00	4.51
3.16 NO							
L0000524	0	0.32051E-02	490442.4	3610421.6	2.7	0.00	4.51
3.16 NO							
L0000525	0	0.32051E-02	490433.4	3610418.1	2.8	0.00	4.51
3.16 NO							
L0000526	0	0.32051E-02	490424.3	3610414.7	2.8	0.00	4.51
3.16 NO							
L0000527	0	0.32051E-02	490415.2	3610411.3	2.9	0.00	4.51
3.16 NO							
L0000528	0	0.32051E-02	490406.2	3610407.8	2.9	0.00	4.51
3.16 NO							
L0000529	0	0.32051E-02	490397.1	3610404.4	3.0	0.00	4.51
3.16 NO							
L0000530	0	0.32051E-02	490388.0	3610401.0	3.0	0.00	4.51
3.16 NO							
L0000531	0	0.32051E-02	490378.9	3610397.5	3.0	0.00	4.51
3.16 NO							
L0000532	0	0.32051E-02	490369.9	3610394.1	3.0	0.00	4.51
3.16 NO							
L0000533	0	0.32051E-02	490360.8	3610390.7	3.0	0.00	4.51
3.16 NO							
L0000534	0	0.32051E-02	490351.7	3610387.2	3.1	0.00	4.51
3.16 NO							
L0000535	0	0.32051E-02	490342.6	3610383.8	3.1	0.00	4.51
3.16 NO							
L0000536	0	0.32051E-02	490333.6	3610380.4	3.2	0.00	4.51
3.16 NO							
L0000537	0	0.32051E-02	490324.5	3610376.9	3.2	0.00	4.51
3.16 NO							
L0000538	0	0.32051E-02	490315.4	3610373.5	3.2	0.00	4.51
3.16 NO							
L0000539	0	0.32051E-02	490306.4	3610370.1	3.3	0.00	4.51
3.16 NO							
L0000540	0	0.32051E-02	490309.7	3610361.0	3.3	0.00	4.51
3.16 NO							
L0000541	0	0.32051E-02	490313.1	3610352.0	3.3	0.00	4.51
3.16 NO							
L0000542	0	0.32051E-02	490316.6	3610342.9	3.3	0.00	4.51
3.16 NO							
L0000543	0	0.32051E-02	490320.0	3610333.8	3.4	0.00	4.51
3.16 NO							
L0000544	0	0.32051E-02	490323.4	3610324.7	3.4	0.00	4.51
3.16 NO							
L0000545	0	0.32051E-02	490326.8	3610315.7	3.4	0.00	4.51
3.16 NO							
L0000546	0	0.32051E-02	490330.3	3610306.6	3.4	0.00	4.51
3.16 NO							
L0000547	0	0.32051E-02	490333.7	3610297.5	3.4	0.00	4.51
3.16 NO							

L0000548	0	0.32051E-02	490337.1	3610288.4	3.4	0.00	4.51
3.16 NO							
L0000549	0	0.32051E-02	490340.5	3610279.4	3.4	0.00	4.51
3.16 NO							
L0000550	0	0.32051E-02	490344.0	3610270.3	3.5	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000551	0	0.32051E-02	490347.4	3610261.2	3.5	0.00	4.51
3.16 NO							
L0000552	0	0.32051E-02	490350.8	3610252.1	3.6	0.00	4.51
3.16 NO							
L0000553	0	0.32051E-02	490354.2	3610243.0	3.5	0.00	4.51
3.16 NO							
L0000554	0	0.32051E-02	490357.7	3610234.0	3.5	0.00	4.51
3.16 NO							
L0000555	0	0.32051E-02	490361.1	3610224.9	3.5	0.00	4.51
3.16 NO							
L0000556	0	0.32051E-02	490364.5	3610215.8	3.6	0.00	4.51
3.16 NO							
L0000557	0	0.32051E-02	490367.9	3610206.7	3.6	0.00	4.51
3.16 NO							
L0000558	0	0.32051E-02	490371.4	3610197.7	3.6	0.00	4.51
3.16 NO							
L0000559	0	0.32051E-02	490374.8	3610188.6	3.6	0.00	4.51
3.16 NO							
L0000560	0	0.32051E-02	490378.2	3610179.5	3.5	0.00	4.51
3.16 NO							
L0000561	0	0.32051E-02	490381.6	3610170.4	3.5	0.00	4.51
3.16 NO							
L0000562	0	0.32051E-02	490385.1	3610161.4	3.5	0.00	4.51
3.16 NO							

L0000563	0	0.32051E-02	490388.5	3610152.3	3.4	0.00	4.51
3.16 NO							
L0000564	0	0.32051E-02	490391.9	3610143.2	3.3	0.00	4.51
3.16 NO							
L0000565	0	0.32051E-02	490395.3	3610134.1	3.3	0.00	4.51
3.16 NO							
L0000566	0	0.32051E-02	490398.8	3610125.1	3.3	0.00	4.51
3.16 NO							
L0000567	0	0.32051E-02	490402.2	3610116.0	3.3	0.00	4.51
3.16 NO							
L0000568	0	0.32051E-02	490405.6	3610106.9	3.3	0.00	4.51
3.16 NO							
L0000569	0	0.32051E-02	490409.0	3610097.8	3.3	0.00	4.51
3.16 NO							
L0000570	0	0.32051E-02	490412.4	3610088.8	3.2	0.00	4.51
3.16 NO							
L0000571	0	0.32051E-02	490415.9	3610079.7	3.2	0.00	4.51
3.16 NO							
L0000572	0	0.32051E-02	490419.3	3610070.6	3.2	0.00	4.51
3.16 NO							
L0000573	0	0.32051E-02	490422.7	3610061.5	3.2	0.00	4.51
3.16 NO							
L0000574	0	0.32051E-02	490426.1	3610052.5	3.2	0.00	4.51
3.16 NO							
L0000575	0	0.32051E-02	490429.6	3610043.4	3.2	0.00	4.51
3.16 NO							
L0000576	0	0.32051E-02	490433.0	3610034.3	3.2	0.00	4.51
3.16 NO							
L0000577	0	0.32051E-02	490436.4	3610025.2	3.2	0.00	4.51
3.16 NO							
L0000578	0	0.32051E-02	490439.8	3610016.2	3.2	0.00	4.51
3.16 NO							
L0000579	0	0.32051E-02	490443.3	3610007.1	3.2	0.00	4.51
3.16 NO							
L0000580	0	0.32051E-02	490446.7	3609998.0	3.2	0.00	4.51
3.16 NO							
L0000581	0	0.32051E-02	490450.1	3609988.9	3.2	0.00	4.51
3.16 NO							
L0000582	0	0.32051E-02	490453.5	3609979.9	3.2	0.00	4.51
3.16 NO							
L0000583	0	0.32051E-02	490457.0	3609970.8	3.2	0.00	4.51
3.16 NO							
L0000584	0	0.32051E-02	490460.4	3609961.7	3.3	0.00	4.51
3.16 NO							
L0000585	0	0.32051E-02	490463.8	3609952.6	3.3	0.00	4.51
3.16 NO							
L0000586	0	0.32051E-02	490467.2	3609943.6	3.3	0.00	4.51
3.16 NO							
L0000587	0	0.32051E-02	490470.7	3609934.5	3.3	0.00	4.51
3.16 NO							

L0000588	0	0.32051E-02	490474.1	3609925.4	3.2	0.00	4.51
3.16 NO							
L0000589	0	0.32051E-02	490477.5	3609916.3	3.2	0.00	4.51
3.16 NO							
L0000590	0	0.32051E-02	490480.9	3609907.3	3.2	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000591	0	0.32051E-02	490484.4	3609898.2	3.2	0.00	4.51
3.16 NO							
L0000592	0	0.32051E-02	490487.8	3609889.1	3.1	0.00	4.51
3.16 NO							
L0000593	0	0.32051E-02	490491.2	3609880.0	3.2	0.00	4.51
3.16 NO							
L0000594	0	0.32051E-02	490494.6	3609871.0	3.2	0.00	4.51
3.16 NO							
L0000595	0	0.32051E-02	490498.1	3609861.9	3.3	0.00	4.51
3.16 NO							
L0000596	0	0.32051E-02	490501.5	3609852.8	3.3	0.00	4.51
3.16 NO							
L0000597	0	0.32051E-02	490504.9	3609843.7	3.3	0.00	4.51
3.16 NO							
L0000598	0	0.32051E-02	490508.3	3609834.7	3.3	0.00	4.51
3.16 NO							
L0000599	0	0.32051E-02	490511.8	3609825.6	3.3	0.00	4.51
3.16 NO							
L0000600	0	0.32051E-02	490515.2	3609816.5	3.4	0.00	4.51
3.16 NO							
L0000601	0	0.32051E-02	490518.6	3609807.4	3.4	0.00	4.51
3.16 NO							
L0000602	0	0.32051E-02	490522.0	3609798.4	3.5	0.00	4.51
3.16 NO							

L0000603	0	0.32051E-02	490525.5	3609789.3	3.6	0.00	4.51
3.16 NO							
L0000604	0	0.32051E-02	490528.9	3609780.2	3.7	0.00	4.51
3.16 NO							
L0000605	0	0.32051E-02	490532.3	3609771.1	3.7	0.00	4.51
3.16 NO							
L0000606	0	0.32051E-02	490535.7	3609762.1	3.7	0.00	4.51
3.16 NO							
L0000607	0	0.32051E-02	490539.2	3609753.0	3.7	0.00	4.51
3.16 NO							
L0000608	0	0.32051E-02	490542.6	3609743.9	3.7	0.00	4.51
3.16 NO							
L0000609	0	0.32051E-02	490546.0	3609734.8	3.8	0.00	4.51
3.16 NO							
L0000610	0	0.32051E-02	490549.4	3609725.8	3.8	0.00	4.51
3.16 NO							
L0000611	0	0.32051E-02	490552.9	3609716.7	3.8	0.00	4.51
3.16 NO							
L0000612	0	0.32051E-02	490556.3	3609707.6	3.8	0.00	4.51
3.16 NO							
L0000613	0	0.32051E-02	490559.7	3609698.5	3.8	0.00	4.51
3.16 NO							
L0000614	0	0.32051E-02	490563.1	3609689.5	3.7	0.00	4.51
3.16 NO							
L0000615	0	0.32051E-02	490566.6	3609680.4	3.6	0.00	4.51
3.16 NO							
L0000616	0	0.32051E-02	490570.0	3609671.3	3.6	0.00	4.51
3.16 NO							
L0000617	0	0.32051E-02	490573.4	3609662.2	3.6	0.00	4.51
3.16 NO							
L0000618	0	0.32051E-02	490576.8	3609653.2	3.5	0.00	4.51
3.16 NO							
L0000619	0	0.32051E-02	490580.3	3609644.1	3.5	0.00	4.51
3.16 NO							
L0000620	0	0.32051E-02	490583.7	3609635.0	3.4	0.00	4.51
3.16 NO							
L0000621	0	0.32051E-02	490587.1	3609625.9	3.4	0.00	4.51
3.16 NO							
L0000622	0	0.32051E-02	490590.5	3609616.9	3.4	0.00	4.51
3.16 NO							
L0000623	0	0.32051E-02	490594.0	3609607.8	3.4	0.00	4.51
3.16 NO							
L0000624	0	0.32051E-02	490597.4	3609598.7	3.4	0.00	4.51
3.16 NO							
L0000625	0	0.32051E-02	490600.8	3609589.6	3.5	0.00	4.51
3.16 NO							
L0000626	0	0.32051E-02	490604.2	3609580.6	3.5	0.00	4.51
3.16 NO							
L0000627	0	0.32051E-02	490607.7	3609571.5	3.6	0.00	4.51
3.16 NO							

L0000628	0	0.32051E-02	490611.1	3609562.4	3.6	0.00	4.51
3.16 NO							
L0000629	0	0.32051E-02	490614.5	3609553.3	3.6	0.00	4.51
3.16 NO							
L0000630	0	0.32051E-02	490617.9	3609544.2	3.6	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000631	0	0.32051E-02	490621.4	3609535.2	3.6	0.00	4.51
3.16 NO							
L0000632	0	0.32051E-02	490624.8	3609526.1	3.7	0.00	4.51
3.16 NO							
L0000633	0	0.32051E-02	490628.2	3609517.0	3.7	0.00	4.51
3.16 NO							
L0000634	0	0.32051E-02	490631.6	3609507.9	3.7	0.00	4.51
3.16 NO							
L0000635	0	0.32051E-02	490635.1	3609498.9	3.7	0.00	4.51
3.16 NO							
L0000636	0	0.32051E-02	490638.5	3609489.8	3.6	0.00	4.51
3.16 NO							
L0000637	0	0.32051E-02	490641.9	3609480.7	3.6	0.00	4.51
3.16 NO							
L0000638	0	0.32051E-02	490645.3	3609471.6	3.5	0.00	4.51
3.16 NO							
L0000639	0	0.32051E-02	490648.8	3609462.6	3.4	0.00	4.51
3.16 NO							
L0000640	0	0.32051E-02	490652.2	3609453.5	3.3	0.00	4.51
3.16 NO							
L0000641	0	0.32051E-02	490655.6	3609444.4	3.3	0.00	4.51
3.16 NO							
L0000642	0	0.32051E-02	490659.0	3609435.3	3.3	0.00	4.51
3.16 NO							

L0000643	0	0.32051E-02	490662.4	3609426.3	3.4	0.00	4.51
3.16 NO							
L0000644	0	0.32051E-02	490665.9	3609417.2	3.4	0.00	4.51
3.16 NO							
L0000645	0	0.32051E-02	490669.3	3609408.1	3.4	0.00	4.51
3.16 NO							
L0000646	0	0.32051E-02	490672.7	3609399.0	3.3	0.00	4.51
3.16 NO							
L0000647	0	0.32051E-02	490676.1	3609390.0	3.3	0.00	4.51
3.16 NO							
L0000648	0	0.32051E-02	490679.6	3609380.9	3.3	0.00	4.51
3.16 NO							
L0000649	0	0.32051E-02	490683.0	3609371.8	3.4	0.00	4.51
3.16 NO							
L0000650	0	0.32051E-02	490686.4	3609362.7	3.5	0.00	4.51
3.16 NO							
L0000651	0	0.32051E-02	490689.8	3609353.7	3.6	0.00	4.51
3.16 NO							
L0000652	0	0.32051E-02	490693.3	3609344.6	3.7	0.00	4.51
3.16 NO							
L0000653	0	0.32051E-02	490699.5	3609337.6	3.7	0.00	4.51
3.16 NO							
L0000654	0	0.32051E-02	490707.2	3609331.7	3.7	0.00	4.51
3.16 NO							
L0000655	0	0.32051E-02	490714.8	3609325.7	3.8	0.00	4.51
3.16 NO							
L0000656	0	0.32051E-02	490722.5	3609319.8	3.8	0.00	4.51
3.16 NO							
L0000657	0	0.32051E-02	490730.2	3609313.9	3.8	0.00	4.51
3.16 NO							
L0000658	0	0.32051E-02	490737.9	3609308.0	3.9	0.00	4.51
3.16 NO							
L0000659	0	0.32051E-02	490745.6	3609302.1	3.9	0.00	4.51
3.16 NO							
L0000660	0	0.32051E-02	490753.3	3609296.2	3.9	0.00	4.51
3.16 NO							
L0000661	0	0.32051E-02	490761.8	3609293.7	3.9	0.00	4.51
3.16 NO							
L0000662	0	0.32051E-02	490771.3	3609295.6	3.8	0.00	4.51
3.16 NO							
L0000663	0	0.32051E-02	490780.8	3609297.5	3.6	0.00	4.51
3.16 NO							
L0000664	0	0.32051E-02	490790.3	3609299.5	3.5	0.00	4.51
3.16 NO							
L0000665	0	0.32051E-02	490799.8	3609301.4	3.3	0.00	4.51
3.16 NO							
L0000666	0	0.32051E-02	490809.3	3609303.3	3.2	0.00	4.51
3.16 NO							
L0000667	0	0.32051E-02	490818.9	3609305.2	3.1	0.00	4.51
3.16 NO							

L0000668	0	0.32051E-02	490828.4	3609307.1	3.1	0.00	4.51
3.16 NO							
L0000669	0	0.32051E-02	490837.9	3609309.0	3.0	0.00	4.51
3.16 NO							
L0000670	0	0.32051E-02	490847.4	3609310.9	3.0	0.00	4.51
3.16 NO							

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000671	0	0.32051E-02	490856.9	3609312.8	2.9	0.00	4.51
3.16 NO							
L0000672	0	0.32051E-02	490866.4	3609314.7	2.9	0.00	4.51
3.16 NO							
L0000673	0	0.32051E-02	490875.9	3609316.6	2.9	0.00	4.51
3.16 NO							
L0000674	0	0.32051E-02	490885.4	3609318.5	2.9	0.00	4.51
3.16 NO							
L0000675	0	0.32051E-02	490895.0	3609320.4	3.0	0.00	4.51
3.16 NO							
L0000676	0	0.32051E-02	490904.5	3609322.3	3.0	0.00	4.51
3.16 NO							
L0000677	0	0.32051E-02	490914.0	3609324.2	3.0	0.00	4.51
3.16 NO							
L0000678	0	0.32051E-02	490923.5	3609326.1	3.0	0.00	4.51
3.16 NO							
L0000679	0	0.32051E-02	490933.0	3609328.0	3.0	0.00	4.51
3.16 NO							
L0000680	0	0.32051E-02	490942.5	3609329.9	3.0	0.00	4.51
3.16 NO							
L0000681	0	0.32051E-02	490952.0	3609331.8	3.1	0.00	4.51
3.16 NO							
L0000682	0	0.32051E-02	490961.5	3609333.7	3.2	0.00	4.51
3.16 NO							

L0000683	0	0.32051E-02	490971.0	3609335.6	3.3	0.00	4.51
3.16 NO							
L0000684	0	0.32051E-02	490980.6	3609337.5	3.3	0.00	4.51
3.16 NO							
L0000685	0	0.32051E-02	490990.1	3609339.4	3.3	0.00	4.51
3.16 NO							
L0000686	0	0.32051E-02	490999.6	3609341.3	3.3	0.00	4.51
3.16 NO							
L0000687	0	0.32051E-02	491009.1	3609343.2	3.4	0.00	4.51
3.16 NO							
L0000688	0	0.32051E-02	491018.6	3609345.1	3.4	0.00	4.51
3.16 NO							
L0000689	0	0.32051E-02	491028.1	3609347.0	3.4	0.00	4.51
3.16 NO							
L0000690	0	0.32051E-02	491037.6	3609348.9	3.4	0.00	4.51
3.16 NO							
L0000691	0	0.32051E-02	491047.1	3609350.8	3.3	0.00	4.51
3.16 NO							
L0000692	0	0.32051E-02	491056.6	3609352.7	3.4	0.00	4.51
3.16 NO							
L0000693	0	0.32051E-02	491066.2	3609354.6	3.5	0.00	4.51
3.16 NO							
L0000694	0	0.32051E-02	491075.7	3609356.5	3.6	0.00	4.51
3.16 NO							
L0000695	0	0.32051E-02	491085.2	3609358.4	3.8	0.00	4.51
3.16 NO							
L0000696	0	0.32051E-02	491094.7	3609360.3	3.9	0.00	4.51
3.16 NO							
L0000697	0	0.32051E-02	491101.9	3609355.4	4.0	0.00	4.51
3.16 NO							
L0000698	0	0.32051E-02	491108.3	3609348.1	4.0	0.00	4.51
3.16 NO							
L0000699	0	0.32051E-02	491114.7	3609340.8	4.0	0.00	4.51
3.16 NO							
L0000700	0	0.32051E-02	491121.1	3609333.5	4.0	0.00	4.51
3.16 NO							
L0000701	0	0.32051E-02	491127.5	3609326.2	4.1	0.00	4.51
3.16 NO							
L0000702	0	0.32051E-02	491133.8	3609318.9	3.7	0.00	4.51
3.16 NO							
L0000703	0	0.32051E-02	491140.2	3609311.6	3.0	0.00	4.51
3.16 NO							
L0000704	0	0.32051E-02	491146.6	3609304.3	2.0	0.00	4.51
3.16 NO							
L0000705	0	0.32051E-02	491153.0	3609297.0	1.9	0.00	4.51
3.16 NO							
L0000706	0	0.32051E-02	491159.4	3609289.7	3.0	0.00	4.51
3.16 NO							
L0000707	0	0.32051E-02	491165.9	3609282.6	3.6	0.00	4.51
3.16 NO							

L0000708	0	0.32051E-02	491173.8	3609276.9	3.9	0.00	4.51
3.16 NO							
L0000709	0	0.32051E-02	491181.6	3609271.2	4.0	0.00	4.51
3.16 NO							
L0000710	0	0.32051E-02	491189.4	3609265.4	4.1	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000711	0	0.32051E-02	491197.3	3609259.7	4.2	0.00	4.51
3.16 NO							
L0000712	0	0.32051E-02	491205.1	3609254.0	4.1	0.00	4.51
3.16 NO							
L0000713	0	0.32051E-02	491212.9	3609248.3	4.2	0.00	4.51
3.16 NO							
L0000714	0	0.32051E-02	491220.7	3609242.5	4.2	0.00	4.51
3.16 NO							
L0000715	0	0.32051E-02	491228.6	3609236.8	4.4	0.00	4.51
3.16 NO							
L0000716	0	0.32051E-02	491236.4	3609231.1	4.7	0.00	4.51
3.16 NO							
L0000717	0	0.32051E-02	491244.2	3609225.4	5.0	0.00	4.51
3.16 NO							
L0000718	0	0.32051E-02	491252.1	3609219.6	5.1	0.00	4.51
3.16 NO							
L0000719	0	0.32051E-02	491259.9	3609213.9	5.6	0.00	4.51
3.16 NO							
L0000720	0	0.32051E-02	491267.7	3609208.2	7.0	0.00	4.51
3.16 NO							
L0000721	0	0.32051E-02	491275.6	3609202.5	7.8	0.00	4.51
3.16 NO							
L0000722	0	0.32051E-02	491283.4	3609196.8	8.1	0.00	4.51
3.16 NO							

L0000723	0	0.32051E-02	491291.2	3609191.0	8.4	0.00	4.51
3.16 NO							
L0000724	0	0.32051E-02	491293.8	3609181.7	7.9	0.00	4.51
3.16 NO							
L0000725	0	0.32051E-02	491296.4	3609172.3	8.2	0.00	4.51
3.16 NO							
L0000726	0	0.32051E-02	491298.9	3609163.0	8.5	0.00	4.51
3.16 NO							
L0000727	0	0.32051E-02	491301.5	3609153.6	8.7	0.00	4.51
3.16 NO							
L0000728	0	0.32051E-02	491304.0	3609144.3	8.5	0.00	4.51
3.16 NO							
L0000729	0	0.32051E-02	491306.6	3609134.9	7.8	0.00	4.51
3.16 NO							
L0000730	0	0.32051E-02	491309.1	3609125.5	6.8	0.00	4.51
3.16 NO							
L0000731	0	0.32051E-02	491311.7	3609116.2	6.3	0.00	4.51
3.16 NO							
L0000732	0	0.32051E-02	491314.2	3609106.8	6.6	0.00	4.51
3.16 NO							
L0000733	0	0.32051E-02	491316.8	3609097.5	6.9	0.00	4.51
3.16 NO							
L0000734	0	0.32051E-02	491319.3	3609088.1	7.2	0.00	4.51
3.16 NO							
L0000735	0	0.32051E-02	491321.9	3609078.8	7.2	0.00	4.51
3.16 NO							
L0000736	0	0.32051E-02	491324.4	3609069.4	7.1	0.00	4.51
3.16 NO							
L0000737	0	0.32051E-02	491327.0	3609060.0	6.6	0.00	4.51
3.16 NO							
L0000738	0	0.32051E-02	491329.5	3609050.7	6.3	0.00	4.51
3.16 NO							
L0000739	0	0.32051E-02	491332.1	3609041.3	6.2	0.00	4.51
3.16 NO							
L0000740	0	0.32051E-02	491334.6	3609032.0	6.1	0.00	4.51
3.16 NO							
L0000741	0	0.32051E-02	491335.9	3609022.3	6.2	0.00	4.51
3.16 NO							
L0000742	0	0.32051E-02	491336.9	3609012.7	6.3	0.00	4.51
3.16 NO							
L0000743	0	0.32051E-02	491337.9	3609003.1	6.3	0.00	4.51
3.16 NO							
L0000744	0	0.32051E-02	491339.0	3608993.4	6.3	0.00	4.51
3.16 NO							
L0000745	0	0.32051E-02	491340.0	3608983.8	6.3	0.00	4.51
3.16 NO							
L0000746	0	0.32051E-02	491341.0	3608974.1	6.3	0.00	4.51
3.16 NO							
L0000747	0	0.32051E-02	491342.1	3608964.5	6.3	0.00	4.51
3.16 NO							

L0000748	0	0.32051E-02	491343.1	3608954.8	6.2	0.00	4.51
3.16 NO							
L0000749	0	0.32051E-02	491344.1	3608945.2	6.1	0.00	4.51
3.16 NO							
L0000750	0	0.32051E-02	491345.2	3608935.5	6.0	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000751	0	0.32051E-02	491346.2	3608925.9	6.2	0.00	4.51
3.16 NO							
L0000752	0	0.32051E-02	491347.2	3608916.3	6.4	0.00	4.51
3.16 NO							
L0000753	0	0.32051E-02	491348.3	3608906.6	6.6	0.00	4.51
3.16 NO							
L0000754	0	0.32051E-02	491349.3	3608897.0	6.8	0.00	4.51
3.16 NO							
L0000755	0	0.32051E-02	491350.3	3608887.3	6.9	0.00	4.51
3.16 NO							
L0000756	0	0.32051E-02	491351.4	3608877.7	7.1	0.00	4.51
3.16 NO							
L0000757	0	0.32051E-02	491352.4	3608868.0	7.3	0.00	4.51
3.16 NO							
L0000758	0	0.32051E-02	491353.4	3608858.4	7.6	0.00	4.51
3.16 NO							
L0000759	0	0.32051E-02	491354.5	3608848.7	7.9	0.00	4.51
3.16 NO							
L0000760	0	0.32051E-02	491355.5	3608839.1	8.3	0.00	4.51
3.16 NO							
L0000761	0	0.32051E-02	491356.5	3608829.5	8.8	0.00	4.51
3.16 NO							
L0000762	0	0.32051E-02	491357.6	3608819.8	9.4	0.00	4.51
3.16 NO							

L0000763	0	0.32051E-02	491358.6	3608810.2	9.9	0.00	4.51
3.16 NO							
L0000764	0	0.32051E-02	491359.6	3608800.5	10.3	0.00	4.51
3.16 NO							
L0000765	0	0.32051E-02	491360.7	3608790.9	10.8	0.00	4.51
3.16 NO							
L0000766	0	0.32051E-02	491361.7	3608781.2	11.0	0.00	4.51
3.16 NO							
L0000767	0	0.32051E-02	491362.7	3608771.6	11.3	0.00	4.51
3.16 NO							
L0000768	0	0.32051E-02	491363.8	3608761.9	11.6	0.00	4.51
3.16 NO							
L0000769	0	0.32051E-02	491364.8	3608752.3	11.9	0.00	4.51
3.16 NO							
L0000770	0	0.32051E-02	491365.8	3608742.6	12.1	0.00	4.51
3.16 NO							
L0000771	0	0.32051E-02	491366.9	3608733.0	12.4	0.00	4.51
3.16 NO							
L0000772	0	0.32051E-02	491367.9	3608723.4	12.6	0.00	4.51
3.16 NO							
L0000773	0	0.32051E-02	491368.9	3608713.7	12.9	0.00	4.51
3.16 NO							
L0000774	0	0.32051E-02	491370.0	3608704.1	13.2	0.00	4.51
3.16 NO							
L0000775	0	0.32051E-02	491371.0	3608694.4	13.5	0.00	4.51
3.16 NO							
L0000776	0	0.32051E-02	491371.7	3608684.8	13.9	0.00	4.51
3.16 NO							
L0000777	0	0.32051E-02	491372.3	3608675.1	14.4	0.00	4.51
3.16 NO							
L0000778	0	0.32051E-02	491372.8	3608665.4	14.9	0.00	4.51
3.16 NO							
L0000779	0	0.32051E-02	491373.4	3608655.7	15.4	0.00	4.51
3.16 NO							
L0000780	0	0.32051E-02	491374.0	3608646.0	15.8	0.00	4.51
3.16 NO							
L0000781	0	0.32051E-02	491374.5	3608636.3	16.2	0.00	4.51
3.16 NO							
L0000782	0	0.32051E-02	491375.1	3608626.7	16.6	0.00	4.51
3.16 NO							
L0000783	0	0.32051E-02	491375.6	3608617.0	16.6	0.00	4.51
3.16 NO							
L0000784	0	0.32051E-02	491376.2	3608607.3	16.6	0.00	4.51
3.16 NO							
L0000785	0	0.32051E-02	491376.8	3608597.6	16.6	0.00	4.51
3.16 NO							
L0000786	0	0.32051E-02	491377.3	3608587.9	16.3	0.00	4.51
3.16 NO							
L0000787	0	0.32051E-02	491377.9	3608578.2	16.0	0.00	4.51
3.16 NO							

L0000788	0	0.32051E-02	491378.4	3608568.5	15.7	0.00	4.51
3.16 NO							
L0000789	0	0.32051E-02	491379.0	3608558.9	15.1	0.00	4.51
3.16 NO							
L0000790	0	0.32051E-02	491379.6	3608549.2	14.2	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000791	0	0.32051E-02	491380.1	3608539.5	13.5	0.00	4.51
3.16 NO							
L0000792	0	0.32051E-02	491380.7	3608529.8	13.1	0.00	4.51
3.16 NO							
L0000793	0	0.32051E-02	491381.2	3608520.1	13.0	0.00	4.51
3.16 NO							
L0000794	0	0.32051E-02	491381.8	3608510.4	12.8	0.00	4.51
3.16 NO							
L0000795	0	0.32051E-02	491382.4	3608500.8	12.6	0.00	4.51
3.16 NO							
L0000796	0	0.32051E-02	491382.9	3608491.1	12.4	0.00	4.51
3.16 NO							
L0000797	0	0.32051E-02	491383.5	3608481.4	12.2	0.00	4.51
3.16 NO							
L0000798	0	0.32051E-02	491384.1	3608471.7	12.0	0.00	4.51
3.16 NO							
L0000799	0	0.32051E-02	491384.6	3608462.0	11.7	0.00	4.51
3.16 NO							
L0000800	0	0.32051E-02	491385.2	3608452.3	11.4	0.00	4.51
3.16 NO							
L0000801	0	0.32051E-02	491385.7	3608442.7	11.1	0.00	4.51
3.16 NO							
L0000802	0	0.32051E-02	491386.3	3608433.0	10.9	0.00	4.51
3.16 NO							

L0000803	0	0.32051E-02	491386.9	3608423.3	10.7	0.00	4.51
3.16 NO							
L0000804	0	0.32051E-02	491387.4	3608413.6	10.4	0.00	4.51
3.16 NO							
L0000805	0	0.32051E-02	491388.0	3608403.9	10.2	0.00	4.51
3.16 NO							
L0000806	0	0.32051E-02	491388.5	3608394.2	9.9	0.00	4.51
3.16 NO							
L0000807	0	0.32051E-02	491389.1	3608384.6	9.6	0.00	4.51
3.16 NO							
L0000808	0	0.32051E-02	491389.7	3608374.9	9.4	0.00	4.51
3.16 NO							
L0000809	0	0.32051E-02	491390.2	3608365.2	9.2	0.00	4.51
3.16 NO							
L0000810	0	0.40161E-02	490544.2	3610258.8	3.0	0.00	4.51
3.16 NO							
L0000811	0	0.40161E-02	490541.9	3610268.2	3.0	0.00	4.51
3.16 NO							
L0000812	0	0.40161E-02	490539.5	3610277.6	3.0	0.00	4.51
3.16 NO							
L0000813	0	0.40161E-02	490537.2	3610287.0	3.0	0.00	4.51
3.16 NO							
L0000814	0	0.40161E-02	490534.8	3610296.4	3.0	0.00	4.51
3.16 NO							
L0000815	0	0.40161E-02	490532.5	3610305.9	3.1	0.00	4.51
3.16 NO							
L0000816	0	0.40161E-02	490530.1	3610315.3	3.1	0.00	4.51
3.16 NO							
L0000817	0	0.40161E-02	490527.8	3610324.7	3.1	0.00	4.51
3.16 NO							
L0000818	0	0.40161E-02	490525.4	3610334.1	3.1	0.00	4.51
3.16 NO							
L0000819	0	0.40161E-02	490523.1	3610343.5	3.0	0.00	4.51
3.16 NO							
L0000820	0	0.40161E-02	490520.7	3610352.9	3.0	0.00	4.51
3.16 NO							
L0000821	0	0.40161E-02	490518.4	3610362.3	2.9	0.00	4.51
3.16 NO							
L0000822	0	0.40161E-02	490516.0	3610371.7	2.9	0.00	4.51
3.16 NO							
L0000823	0	0.40161E-02	490513.6	3610381.1	2.8	0.00	4.51
3.16 NO							
L0000824	0	0.40161E-02	490511.3	3610390.5	2.8	0.00	4.51
3.16 NO							
L0000825	0	0.40161E-02	490508.9	3610400.0	2.7	0.00	4.51
3.16 NO							
L0000826	0	0.40161E-02	490506.6	3610409.4	2.7	0.00	4.51
3.16 NO							
L0000827	0	0.40161E-02	490504.2	3610418.8	2.7	0.00	4.51
3.16 NO							

L0000828	0	0.40161E-02	490501.9	3610428.2	2.8	0.00	4.51
3.16 NO							
L0000829	0	0.40161E-02	490499.5	3610437.6	3.0	0.00	4.51
3.16 NO							
L0000830	0	0.40161E-02	490503.2	3610443.6	3.1	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000831	0	0.40161E-02	490512.5	3610446.5	3.0	0.00	4.51
3.16 NO							
L0000832	0	0.40161E-02	490521.7	3610449.3	2.9	0.00	4.51
3.16 NO							
L0000833	0	0.40161E-02	490531.0	3610452.2	2.9	0.00	4.51
3.16 NO							
L0000834	0	0.40161E-02	490540.3	3610455.0	3.1	0.00	4.51
3.16 NO							
L0000835	0	0.40161E-02	490549.5	3610457.9	3.2	0.00	4.51
3.16 NO							
L0000836	0	0.40161E-02	490558.8	3610460.7	3.4	0.00	4.51
3.16 NO							
L0000837	0	0.40161E-02	490568.1	3610463.6	3.4	0.00	4.51
3.16 NO							
L0000838	0	0.40161E-02	490577.4	3610466.4	3.5	0.00	4.51
3.16 NO							
L0000839	0	0.40161E-02	490586.6	3610469.3	3.5	0.00	4.51
3.16 NO							
L0000840	0	0.40161E-02	490595.9	3610472.1	3.4	0.00	4.51
3.16 NO							
L0000841	0	0.40161E-02	490605.2	3610475.0	3.3	0.00	4.51
3.16 NO							
L0000842	0	0.40161E-02	490614.4	3610477.9	3.4	0.00	4.51
3.16 NO							

L0000843	0	0.40161E-02	490623.7	3610480.7	3.5	0.00	4.51
3.16 NO							
L0000844	0	0.40161E-02	490633.0	3610483.6	3.6	0.00	4.51
3.16 NO							
L0000845	0	0.40161E-02	490642.2	3610486.4	3.8	0.00	4.51
3.16 NO							
L0000846	0	0.40161E-02	490651.5	3610489.3	3.9	0.00	4.51
3.16 NO							
L0000847	0	0.40161E-02	490660.8	3610492.1	4.0	0.00	4.51
3.16 NO							
L0000848	0	0.40161E-02	490670.1	3610495.0	4.1	0.00	4.51
3.16 NO							
L0000849	0	0.40161E-02	490679.3	3610497.8	4.3	0.00	4.51
3.16 NO							
L0000850	0	0.40161E-02	490688.6	3610500.7	4.4	0.00	4.51
3.16 NO							
L0000851	0	0.40161E-02	490697.9	3610503.5	4.5	0.00	4.51
3.16 NO							
L0000852	0	0.40161E-02	490707.1	3610506.4	4.7	0.00	4.51
3.16 NO							
L0000853	0	0.40161E-02	490716.4	3610509.2	4.8	0.00	4.51
3.16 NO							
L0000854	0	0.40161E-02	490725.7	3610512.1	4.9	0.00	4.51
3.16 NO							
L0000855	0	0.40161E-02	490735.0	3610514.9	5.0	0.00	4.51
3.16 NO							
L0000856	0	0.40161E-02	490744.2	3610517.8	5.1	0.00	4.51
3.16 NO							
L0000857	0	0.40161E-02	490753.5	3610520.6	5.3	0.00	4.51
3.16 NO							
L0000858	0	0.40161E-02	490762.8	3610523.5	5.4	0.00	4.51
3.16 NO							
L0000859	0	0.40161E-02	490772.0	3610526.3	5.5	0.00	4.51
3.16 NO							
L0000860	0	0.40161E-02	490781.3	3610529.2	5.5	0.00	4.51
3.16 NO							
L0000861	0	0.40161E-02	490790.6	3610532.0	5.6	0.00	4.51
3.16 NO							
L0000862	0	0.40161E-02	490799.9	3610534.9	5.7	0.00	4.51
3.16 NO							
L0000863	0	0.40161E-02	490809.1	3610537.8	5.8	0.00	4.51
3.16 NO							
L0000864	0	0.40161E-02	490818.4	3610540.6	6.1	0.00	4.51
3.16 NO							
L0000865	0	0.40161E-02	490827.7	3610543.5	6.4	0.00	4.51
3.16 NO							
L0000866	0	0.40161E-02	490836.9	3610546.3	6.8	0.00	4.51
3.16 NO							
L0000867	0	0.40161E-02	490842.1	3610551.2	7.0	0.00	4.51
3.16 NO							

L0000868	0	0.40161E-02	490838.9	3610560.4	7.2	0.00	4.51
3.16 NO							
L0000869	0	0.40161E-02	490835.7	3610569.6	7.1	0.00	4.51
3.16 NO							
L0000870	0	0.40161E-02	490832.6	3610578.7	6.8	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000871	0	0.40161E-02	490829.4	3610587.9	6.6	0.00	4.51
3.16 NO							
L0000872	0	0.40161E-02	490826.2	3610597.1	6.6	0.00	4.51
3.16 NO							
L0000873	0	0.40161E-02	490823.0	3610606.2	7.0	0.00	4.51
3.16 NO							
L0000874	0	0.40161E-02	490819.8	3610615.4	7.3	0.00	4.51
3.16 NO							
L0000875	0	0.40161E-02	490816.7	3610624.6	7.7	0.00	4.51
3.16 NO							
L0000876	0	0.40161E-02	490813.5	3610633.7	7.6	0.00	4.51
3.16 NO							
L0000877	0	0.40161E-02	490810.3	3610642.9	7.3	0.00	4.51
3.16 NO							
L0000878	0	0.40161E-02	490807.1	3610652.0	7.2	0.00	4.51
3.16 NO							
L0000879	0	0.40161E-02	490803.9	3610661.2	7.2	0.00	4.51
3.16 NO							
L0000880	0	0.40161E-02	490800.7	3610670.4	7.3	0.00	4.51
3.16 NO							
L0000881	0	0.40161E-02	490797.6	3610679.5	7.5	0.00	4.51
3.16 NO							
L0000882	0	0.40161E-02	490794.4	3610688.7	7.8	0.00	4.51
3.16 NO							

L0000883	0	0.40161E-02	490791.2	3610697.9	8.3	0.00	4.51
3.16 NO							
L0000884	0	0.40161E-02	490788.0	3610707.0	8.7	0.00	4.51
3.16 NO							
L0000885	0	0.40161E-02	490784.8	3610716.2	8.7	0.00	4.51
3.16 NO							
L0000886	0	0.40161E-02	490781.7	3610725.3	8.3	0.00	4.51
3.16 NO							
L0000887	0	0.40161E-02	490778.5	3610734.5	7.7	0.00	4.51
3.16 NO							
L0000888	0	0.40161E-02	490775.3	3610743.7	7.4	0.00	4.51
3.16 NO							
L0000889	0	0.40161E-02	490772.1	3610752.8	7.5	0.00	4.51
3.16 NO							
L0000890	0	0.40161E-02	490768.9	3610762.0	8.1	0.00	4.51
3.16 NO							
L0000891	0	0.40161E-02	490765.7	3610771.2	8.8	0.00	4.51
3.16 NO							
L0000892	0	0.40161E-02	490762.5	3610780.3	9.4	0.00	4.51
3.16 NO							
L0000893	0	0.40161E-02	490758.4	3610789.1	8.7	0.00	4.51
3.16 NO							
L0000894	0	0.40161E-02	490754.4	3610797.9	8.2	0.00	4.51
3.16 NO							
L0000895	0	0.40161E-02	490750.4	3610806.8	8.0	0.00	4.51
3.16 NO							
L0000896	0	0.40161E-02	490746.4	3610815.6	8.2	0.00	4.51
3.16 NO							
L0000897	0	0.40161E-02	490742.4	3610824.4	8.7	0.00	4.51
3.16 NO							
L0000898	0	0.40161E-02	490738.4	3610833.3	9.3	0.00	4.51
3.16 NO							
L0000899	0	0.40161E-02	490734.4	3610842.1	9.5	0.00	4.51
3.16 NO							
L0000900	0	0.40161E-02	490730.4	3610850.9	9.0	0.00	4.51
3.16 NO							
L0000901	0	0.40161E-02	490726.3	3610859.8	8.7	0.00	4.51
3.16 NO							
L0000902	0	0.40161E-02	490722.3	3610868.6	8.6	0.00	4.51
3.16 NO							
L0000903	0	0.40161E-02	490718.3	3610877.4	8.8	0.00	4.51
3.16 NO							
L0000904	0	0.40161E-02	490714.3	3610886.3	9.2	0.00	4.51
3.16 NO							
L0000905	0	0.40161E-02	490710.3	3610895.1	9.6	0.00	4.51
3.16 NO							
L0000906	0	0.40161E-02	490706.3	3610903.9	9.5	0.00	4.51
3.16 NO							
L0000907	0	0.40161E-02	490702.3	3610912.7	9.6	0.00	4.51
3.16 NO							

L0000908	0	0.40161E-02	490698.2	3610921.6	9.7	0.00	4.51
3.16 NO							
L0000909	0	0.40161E-02	490694.2	3610930.4	9.8	0.00	4.51
3.16 NO							
L0000910	0	0.40161E-02	490690.1	3610939.2	9.8	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000911	0	0.40161E-02	490685.2	3610947.6	9.7	0.00	4.51
3.16 NO							
L0000912	0	0.40161E-02	490680.3	3610955.9	9.6	0.00	4.51
3.16 NO							
L0000913	0	0.40161E-02	490672.5	3610961.4	9.4	0.00	4.51
3.16 NO							
L0000914	0	0.40161E-02	490664.1	3610966.3	9.2	0.00	4.51
3.16 NO							
L0000915	0	0.40161E-02	490655.7	3610971.2	9.2	0.00	4.51
3.16 NO							
L0000916	0	0.40161E-02	490647.4	3610976.1	9.3	0.00	4.51
3.16 NO							
L0000917	0	0.40161E-02	490639.0	3610981.0	9.3	0.00	4.51
3.16 NO							
L0000918	0	0.40161E-02	490630.6	3610985.9	9.3	0.00	4.51
3.16 NO							
L0000919	0	0.40161E-02	490622.2	3610990.7	9.1	0.00	4.51
3.16 NO							
L0000920	0	0.40161E-02	490613.9	3610995.6	8.8	0.00	4.51
3.16 NO							
L0000921	0	0.40161E-02	490605.5	3611000.5	8.4	0.00	4.51
3.16 NO							
L0000922	0	0.40161E-02	490597.1	3611005.4	8.3	0.00	4.51
3.16 NO							

L0000923	0	0.40161E-02	490588.7	3611010.3	8.1	0.00	4.51
3.16 NO							
L0000924	0	0.40161E-02	490580.4	3611015.2	8.0	0.00	4.51
3.16 NO							
L0000925	0	0.40161E-02	490574.1	3611021.8	7.9	0.00	4.51
3.16 NO							
L0000926	0	0.40161E-02	490570.9	3611031.0	7.9	0.00	4.51
3.16 NO							
L0000927	0	0.40161E-02	490567.8	3611040.2	7.9	0.00	4.51
3.16 NO							
L0000928	0	0.40161E-02	490564.7	3611049.3	7.9	0.00	4.51
3.16 NO							
L0000929	0	0.40161E-02	490561.5	3611058.5	7.9	0.00	4.51
3.16 NO							
L0000930	0	0.40161E-02	490558.4	3611067.7	7.7	0.00	4.51
3.16 NO							
L0000931	0	0.40161E-02	490555.3	3611076.9	7.5	0.00	4.51
3.16 NO							
L0000932	0	0.40161E-02	490552.1	3611086.1	7.3	0.00	4.51
3.16 NO							
L0000933	0	0.40161E-02	490549.0	3611095.2	7.2	0.00	4.51
3.16 NO							
L0000934	0	0.40161E-02	490545.9	3611104.4	7.2	0.00	4.51
3.16 NO							
L0000935	0	0.40161E-02	490542.7	3611113.6	7.2	0.00	4.51
3.16 NO							
L0000936	0	0.40161E-02	490539.6	3611122.8	7.2	0.00	4.51
3.16 NO							
L0000937	0	0.40161E-02	490536.5	3611132.0	7.0	0.00	4.51
3.16 NO							
L0000938	0	0.40161E-02	490533.4	3611141.2	6.8	0.00	4.51
3.16 NO							
L0000939	0	0.40161E-02	490530.2	3611150.3	6.5	0.00	4.51
3.16 NO							
L0000940	0	0.40161E-02	490527.1	3611159.5	6.6	0.00	4.51
3.16 NO							
L0000941	0	0.40161E-02	490524.0	3611168.7	6.7	0.00	4.51
3.16 NO							
L0000942	0	0.40161E-02	490520.8	3611177.9	6.9	0.00	4.51
3.16 NO							
L0000943	0	0.40161E-02	490517.7	3611187.1	6.8	0.00	4.51
3.16 NO							
L0000944	0	0.40161E-02	490514.6	3611196.2	6.5	0.00	4.51
3.16 NO							
L0000945	0	0.40161E-02	490511.4	3611205.4	6.3	0.00	4.51
3.16 NO							
L0000946	0	0.40161E-02	490508.3	3611214.6	6.2	0.00	4.51
3.16 NO							
L0000947	0	0.40161E-02	490505.2	3611223.8	6.2	0.00	4.51
3.16 NO							

L0000948	0	0.40161E-02	490502.0	3611233.0	6.3	0.00	4.51
3.16 NO							
L0000949	0	0.40161E-02	490498.9	3611242.1	6.3	0.00	4.51
3.16 NO							
L0000950	0	0.40161E-02	490495.8	3611251.3	6.2	0.00	4.51
3.16 NO							

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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000951	0	0.40161E-02	490492.7	3611260.5	6.2	0.00	4.51
3.16 NO							
L0000952	0	0.40161E-02	490489.5	3611269.7	6.3	0.00	4.51
3.16 NO							
L0000953	0	0.40161E-02	490486.4	3611278.9	6.3	0.00	4.51
3.16 NO							
L0000954	0	0.40161E-02	490483.3	3611288.0	6.3	0.00	4.51
3.16 NO							
L0000955	0	0.40161E-02	490480.8	3611297.3	6.3	0.00	4.51
3.16 NO							
L0000956	0	0.40161E-02	490481.6	3611307.0	6.3	0.00	4.51
3.16 NO							
L0000957	0	0.40161E-02	490482.3	3611316.6	6.4	0.00	4.51
3.16 NO							
L0000958	0	0.40161E-02	490483.1	3611326.3	6.4	0.00	4.51
3.16 NO							
L0000959	0	0.40161E-02	490483.9	3611336.0	6.4	0.00	4.51
3.16 NO							
L0000960	0	0.40161E-02	490484.7	3611345.6	6.3	0.00	4.51
3.16 NO							
L0000961	0	0.40161E-02	490485.5	3611355.3	6.2	0.00	4.51
3.16 NO							
L0000962	0	0.40161E-02	490486.2	3611365.0	6.0	0.00	4.51
3.16 NO							

L0000963	0	0.40161E-02	490487.0	3611374.7	6.0	0.00	4.51
3.16 NO							
L0000964	0	0.40161E-02	490487.8	3611384.3	6.0	0.00	4.51
3.16 NO							
L0000965	0	0.40161E-02	490488.6	3611394.0	5.9	0.00	4.51
3.16 NO							
L0000966	0	0.40161E-02	490489.4	3611403.7	6.0	0.00	4.51
3.16 NO							
L0000967	0	0.40161E-02	490490.2	3611413.3	6.2	0.00	4.51
3.16 NO							
L0000968	0	0.40161E-02	490490.9	3611423.0	6.4	0.00	4.51
3.16 NO							
L0000969	0	0.40161E-02	490491.7	3611432.7	6.5	0.00	4.51
3.16 NO							
L0000970	0	0.40161E-02	490492.5	3611442.3	6.4	0.00	4.51
3.16 NO							
L0000971	0	0.40161E-02	490493.3	3611452.0	6.3	0.00	4.51
3.16 NO							
L0000972	0	0.40161E-02	490492.9	3611461.7	6.3	0.00	4.51
3.16 NO							
L0000973	0	0.40161E-02	490492.2	3611471.3	6.2	0.00	4.51
3.16 NO							
L0000974	0	0.40161E-02	490491.5	3611481.0	6.2	0.00	4.51
3.16 NO							
L0000975	0	0.40161E-02	490490.8	3611490.7	6.2	0.00	4.51
3.16 NO							
L0000976	0	0.40161E-02	490490.0	3611500.4	6.3	0.00	4.51
3.16 NO							
L0000977	0	0.40161E-02	490489.3	3611510.0	6.3	0.00	4.51
3.16 NO							
L0000978	0	0.40161E-02	490488.6	3611519.7	6.3	0.00	4.51
3.16 NO							
L0000979	0	0.40161E-02	490487.9	3611529.4	6.5	0.00	4.51
3.16 NO							
L0000980	0	0.40161E-02	490487.1	3611539.1	6.8	0.00	4.51
3.16 NO							
L0000981	0	0.40161E-02	490486.4	3611548.7	7.0	0.00	4.51
3.16 NO							
L0000982	0	0.40161E-02	490485.7	3611558.4	6.9	0.00	4.51
3.16 NO							
L0000983	0	0.40161E-02	490485.0	3611568.1	6.5	0.00	4.51
3.16 NO							
L0000984	0	0.40161E-02	490484.2	3611577.7	6.0	0.00	4.51
3.16 NO							
L0000985	0	0.40161E-02	490482.5	3611587.2	5.7	0.00	4.51
3.16 NO							
L0000986	0	0.40161E-02	490479.6	3611596.5	5.7	0.00	4.51
3.16 NO							
L0000987	0	0.40161E-02	490476.8	3611605.8	5.8	0.00	4.51
3.16 NO							

L0000988	0	0.40161E-02	490473.9	3611615.0	6.0	0.00	4.51
3.16 NO							
L0000989	0	0.40161E-02	490471.1	3611624.3	6.1	0.00	4.51
3.16 NO							
L0000990	0	0.40161E-02	490468.2	3611633.6	6.3	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y		
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY				

L0000991	0	0.40161E-02	490465.4	3611642.9	6.5	0.00	4.51
3.16 NO							
L0000992	0	0.40161E-02	490462.5	3611652.1	6.4	0.00	4.51
3.16 NO							
L0000993	0	0.40161E-02	490459.7	3611661.4	6.1	0.00	4.51
3.16 NO							
L0000994	0	0.40161E-02	490456.8	3611670.7	5.8	0.00	4.51
3.16 NO							
L0000995	0	0.40161E-02	490454.0	3611679.9	5.6	0.00	4.51
3.16 NO							
L0000996	0	0.40161E-02	490451.1	3611689.2	5.6	0.00	4.51
3.16 NO							
L0000997	0	0.40161E-02	490448.3	3611698.5	5.5	0.00	4.51
3.16 NO							
L0000998	0	0.40161E-02	490445.4	3611707.8	5.3	0.00	4.51
3.16 NO							
L0000999	0	0.40161E-02	490442.6	3611717.0	5.5	0.00	4.51
3.16 NO							
L0001000	0	0.40161E-02	490439.7	3611726.3	5.6	0.00	4.51
3.16 NO							
L0001001	0	0.40161E-02	490436.9	3611735.6	5.9	0.00	4.51
3.16 NO							
L0001002	0	0.40161E-02	490434.0	3611744.8	6.0	0.00	4.51
3.16 NO							

L0001003	0	0.40161E-02	490431.2	3611754.1	6.0	0.00	4.51
3.16 NO							
L0001004	0	0.40161E-02	490428.3	3611763.4	6.2	0.00	4.51
3.16 NO							
L0001005	0	0.40161E-02	490425.4	3611772.6	6.4	0.00	4.51
3.16 NO							
L0001006	0	0.40161E-02	490422.6	3611781.9	6.4	0.00	4.51
3.16 NO							
L0001007	0	0.40161E-02	490419.7	3611791.2	6.6	0.00	4.51
3.16 NO							
L0001008	0	0.40161E-02	490416.9	3611800.5	7.0	0.00	4.51
3.16 NO							
L0001009	0	0.40161E-02	490414.0	3611809.7	7.0	0.00	4.51
3.16 NO							
L0001010	0	0.40161E-02	490411.2	3611819.0	7.2	0.00	4.51
3.16 NO							
L0001011	0	0.40161E-02	490408.3	3611828.3	7.5	0.00	4.51
3.16 NO							
L0001012	0	0.40161E-02	490405.5	3611837.5	7.9	0.00	4.51
3.16 NO							
L0001013	0	0.40161E-02	490402.6	3611846.8	8.4	0.00	4.51
3.16 NO							
L0001014	0	0.40161E-02	490399.8	3611856.1	9.2	0.00	4.51
3.16 NO							
L0001015	0	0.40161E-02	490396.9	3611865.4	9.2	0.00	4.51
3.16 NO							
L0001016	0	0.40161E-02	490394.1	3611874.6	9.1	0.00	4.51
3.16 NO							
L0001017	0	0.40161E-02	490391.2	3611883.9	8.8	0.00	4.51
3.16 NO							
L0001018	0	0.40161E-02	490388.4	3611893.2	8.6	0.00	4.51
3.16 NO							
L0001019	0	0.40161E-02	490386.8	3611902.7	8.6	0.00	4.51
3.16 NO							
L0001020	0	0.40161E-02	490385.7	3611912.4	8.7	0.00	4.51
3.16 NO							
L0001021	0	0.40161E-02	490384.6	3611922.0	8.9	0.00	4.51
3.16 NO							
L0001022	0	0.40161E-02	490383.5	3611931.6	9.0	0.00	4.51
3.16 NO							
L0001023	0	0.40161E-02	490382.4	3611941.3	9.2	0.00	4.51
3.16 NO							
L0001024	0	0.40161E-02	490381.4	3611950.9	9.6	0.00	4.51
3.16 NO							
L0001025	0	0.40161E-02	490380.3	3611960.5	8.5	0.00	4.51
3.16 NO							
L0001026	0	0.40161E-02	490379.2	3611970.2	6.8	0.00	4.51
3.16 NO							
L0001027	0	0.40161E-02	490378.1	3611979.8	5.0	0.00	4.51
3.16 NO							

L0001028	0	0.40161E-02	490377.0	3611989.5	4.2	0.00	4.51
3.16 NO							
L0001029	0	0.40161E-02	490375.9	3611999.1	4.1	0.00	4.51
3.16 NO							
L0001030	0	0.40161E-02	490374.8	3612008.7	4.0	0.00	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0001031	0	0.40161E-02	490373.7	3612018.4	4.0	0.00	4.51
3.16 NO							
L0001032	0	0.40161E-02	490372.6	3612028.0	4.2	0.00	4.51
3.16 NO							
L0001033	0	0.40161E-02	490371.5	3612037.7	4.3	0.00	4.51
3.16 NO							
L0001034	0	0.40161E-02	490370.4	3612047.3	4.5	0.00	4.51
3.16 NO							
L0001035	0	0.40161E-02	490369.4	3612056.9	4.8	0.00	4.51
3.16 NO							
L0001036	0	0.40161E-02	490368.2	3612066.6	5.2	0.00	4.51
3.16 NO							
L0001037	0	0.40161E-02	490367.0	3612076.2	5.4	0.00	4.51
3.16 NO							
L0001038	0	0.40161E-02	490365.7	3612085.8	5.5	0.00	4.51
3.16 NO							
L0001039	0	0.40161E-02	490364.5	3612095.4	5.8	0.00	4.51
3.16 NO							
L0001040	0	0.40161E-02	490363.2	3612105.0	6.2	0.00	4.51
3.16 NO							
L0001041	0	0.40161E-02	490362.0	3612114.7	6.4	0.00	4.51
3.16 NO							
L0001042	0	0.40161E-02	490360.7	3612124.3	6.4	0.00	4.51
3.16 NO							

L0001043	0	0.40161E-02	490359.5	3612133.9	6.3	0.00	4.51
3.16 NO							
L0001044	0	0.40161E-02	490358.2	3612143.5	6.2	0.00	4.51
3.16 NO							
L0001045	0	0.40161E-02	490357.0	3612153.1	6.0	0.00	4.51
3.16 NO							
L0001046	0	0.40161E-02	490355.7	3612162.8	5.8	0.00	4.51
3.16 NO							
L0001047	0	0.40161E-02	490354.4	3612172.4	5.5	0.00	4.51
3.16 NO							
L0001048	0	0.40161E-02	490353.2	3612182.0	5.1	0.00	4.51
3.16 NO							
L0001049	0	0.40161E-02	490351.9	3612191.6	4.7	0.00	4.51
3.16 NO							
L0001050	0	0.40161E-02	490350.7	3612201.2	4.3	0.00	4.51
3.16 NO							
L0001051	0	0.40161E-02	490349.4	3612210.8	4.3	0.00	4.51
3.16 NO							
L0001052	0	0.40161E-02	490348.2	3612220.5	4.3	0.00	4.51
3.16 NO							
L0001053	0	0.40161E-02	490346.9	3612230.1	4.3	0.00	4.51
3.16 NO							
L0001054	0	0.40161E-02	490345.7	3612239.7	4.3	0.00	4.51
3.16 NO							
L0001055	0	0.40161E-02	490344.4	3612249.3	4.3	0.00	4.51
3.16 NO							
L0001056	0	0.40161E-02	490343.2	3612258.9	4.3	0.00	4.51
3.16 NO							
L0001057	0	0.40161E-02	490341.9	3612268.6	4.2	0.00	4.51
3.16 NO							
L0001058	0	0.40161E-02	490340.6	3612278.2	4.1	0.00	4.51
3.16 NO							
L0001542	0	0.20406E-01	490416.4	3610334.7	2.8	3.40	4.51
3.16 NO							
L0001543	0	0.20406E-01	490419.0	3610325.4	2.8	3.40	4.51
3.16 NO							
L0001544	0	0.20406E-01	490421.6	3610316.0	2.8	3.40	4.51
3.16 NO							
L0001545	0	0.20406E-01	490424.2	3610306.7	2.7	3.40	4.51
3.16 NO							
L0001546	0	0.20406E-01	490426.8	3610297.4	2.7	3.40	4.51
3.16 NO							
L0001547	0	0.20406E-01	490429.4	3610288.0	2.7	3.40	4.51
3.16 NO							
L0001548	0	0.20406E-01	490432.0	3610278.7	2.8	3.40	4.51
3.16 NO							
L0001549	0	0.20406E-01	490434.5	3610269.3	2.8	3.40	4.51
3.16 NO							
L0001550	0	0.20406E-01	490437.1	3610260.0	2.8	3.40	4.51
3.16 NO							

L0001551	0	0.20406E-01	490439.7	3610250.6	2.9	3.40	4.51
3.16 NO							
L0001552	0	0.20406E-01	490442.3	3610241.3	2.9	3.40	4.51
3.16 NO							
L0001553	0	0.20406E-01	490444.9	3610231.9	2.9	3.40	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0001554	0	0.20406E-01	490447.5	3610222.6	2.8	3.40	4.51
3.16 NO							
L0001555	0	0.20406E-01	490450.0	3610213.2	2.7	3.40	4.51
3.16 NO							
L0001556	0	0.20406E-01	490452.6	3610203.9	2.6	3.40	4.51
3.16 NO							
L0001557	0	0.20406E-01	490455.2	3610194.5	2.6	3.40	4.51
3.16 NO							
L0001558	0	0.20413E-01	490619.7	3610377.3	3.6	3.40	4.51
3.16 NO							
L0001559	0	0.20413E-01	490622.3	3610367.9	3.6	3.40	4.51
3.16 NO							
L0001560	0	0.20413E-01	490624.8	3610358.6	3.5	3.40	4.51
3.16 NO							
L0001561	0	0.20413E-01	490627.4	3610349.2	3.5	3.40	4.51
3.16 NO							
L0001562	0	0.20413E-01	490629.9	3610339.9	3.5	3.40	4.51
3.16 NO							
L0001563	0	0.20413E-01	490632.5	3610330.5	3.5	3.40	4.51
3.16 NO							
L0001564	0	0.20413E-01	490635.0	3610321.1	3.5	3.40	4.51
3.16 NO							
L0001565	0	0.20413E-01	490637.6	3610311.8	3.5	3.40	4.51
3.16 NO							

L0001566	0	0.20408E-01	490745.2	3610461.3	4.8	3.40	4.51
3.16 NO							
L0001567	0	0.20408E-01	490748.2	3610452.0	5.0	3.40	4.51
3.16 NO							
L0001568	0	0.20408E-01	490751.1	3610442.8	5.1	3.40	4.51
3.16 NO							
L0001569	0	0.20408E-01	490754.1	3610433.6	5.0	3.40	4.51
3.16 NO							
L0001570	0	0.20408E-01	490757.1	3610424.3	4.9	3.40	4.51
3.16 NO							
L0001571	0	0.20408E-01	490760.0	3610415.1	4.8	3.40	4.51
3.16 NO							
L0001572	0	0.20408E-01	490763.0	3610405.9	4.8	3.40	4.51
3.16 NO							
L0001573	0	0.20408E-01	490766.0	3610396.6	4.8	3.40	4.51
3.16 NO							
L0001574	0	0.20408E-01	490769.0	3610387.4	4.8	3.40	4.51
3.16 NO							
L0001575	0	0.20408E-01	490771.9	3610378.2	4.8	3.40	4.51
3.16 NO							
L0001576	0	0.20408E-01	490774.9	3610368.9	4.7	3.40	4.51
3.16 NO							
L0001577	0	0.20408E-01	490777.9	3610359.7	4.7	3.40	4.51
3.16 NO							
L0001578	0	0.20408E-01	490780.8	3610350.5	4.6	3.40	4.51
3.16 NO							
L0001579	0	0.20408E-01	490783.8	3610341.2	4.6	3.40	4.51
3.16 NO							
L0001580	0	0.20408E-01	490786.8	3610332.0	4.6	3.40	4.51
3.16 NO							
L0001581	0	0.20408E-01	490789.7	3610322.8	4.5	3.40	4.51
3.16 NO							
L0001582	0	0.20408E-01	490792.7	3610313.5	4.5	3.40	4.51
3.16 NO							
L0001583	0	0.20408E-01	490795.7	3610304.3	4.5	3.40	4.51
3.16 NO							
L0001584	0	0.20408E-01	490798.7	3610295.0	4.5	3.40	4.51
3.16 NO							
L0001585	0	0.20408E-01	490801.6	3610285.8	4.5	3.40	4.51
3.16 NO							
L0001586	0	0.20408E-01	490804.6	3610276.6	4.6	3.40	4.51
3.16 NO							
L0001587	0	0.20408E-01	490807.6	3610267.3	4.6	3.40	4.51
3.16 NO							
L0001588	0	0.20408E-01	490810.5	3610258.1	4.6	3.40	4.51
3.16 NO							
L0001589	0	0.20408E-01	490813.5	3610248.9	4.5	3.40	4.51
3.16 NO							
L0001590	0	0.20408E-01	490816.5	3610239.6	4.3	3.40	4.51
3.16 NO							

L0001523	0	0.15874E-01	490393.1	3610336.9	2.8	3.40	4.51
3.16 NO							
L0001524	0	0.15874E-01	490396.0	3610327.7	2.9	3.40	4.51
3.16 NO							
L0001525	0	0.15874E-01	490398.9	3610318.4	3.0	3.40	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0001526	0	0.15874E-01	490401.8	3610309.2	3.0	3.40	4.51
3.16 NO							
L0001527	0	0.15874E-01	490404.7	3610299.9	3.0	3.40	4.51
3.16 NO							
L0001528	0	0.15874E-01	490407.6	3610290.7	3.0	3.40	4.51
3.16 NO							
L0001529	0	0.15874E-01	490410.5	3610281.4	3.0	3.40	4.51
3.16 NO							
L0001530	0	0.15874E-01	490413.5	3610272.2	3.0	3.40	4.51
3.16 NO							
L0001531	0	0.15874E-01	490416.4	3610262.9	3.0	3.40	4.51
3.16 NO							
L0001532	0	0.15874E-01	490419.3	3610253.6	3.0	3.40	4.51
3.16 NO							
L0001533	0	0.15874E-01	490422.2	3610244.4	3.1	3.40	4.51
3.16 NO							
L0001534	0	0.15874E-01	490425.1	3610235.1	3.1	3.40	4.51
3.16 NO							
L0001535	0	0.15874E-01	490428.0	3610225.9	3.1	3.40	4.51
3.16 NO							
L0001536	0	0.15874E-01	490430.9	3610216.6	3.1	3.40	4.51
3.16 NO							
L0001537	0	0.15874E-01	490433.8	3610207.4	3.1	3.40	4.51
3.16 NO							

L0001538	0	0.15874E-01	490436.7	3610198.1	3.0	3.40	4.51
3.16 NO							
L0001539	0	0.15874E-01	490439.6	3610188.9	3.0	3.40	4.51
3.16 NO							
L0001540	0	0.15874E-01	490442.6	3610179.6	3.0	3.40	4.51
3.16 NO							
L0001541	0	0.15874E-01	490445.5	3610170.4	3.0	3.40	4.51
3.16 NO							
L0001505	0	0.15872E-01	490701.4	3610307.0	3.7	3.40	4.51
3.16 NO							
L0001506	0	0.15872E-01	490692.1	3610304.2	3.7	3.40	4.51
3.16 NO							
L0001507	0	0.15872E-01	490682.8	3610301.5	3.7	3.40	4.51
3.16 NO							
L0001508	0	0.15872E-01	490673.5	3610298.7	3.6	3.40	4.51
3.16 NO							
L0001509	0	0.15872E-01	490664.2	3610295.9	3.5	3.40	4.51
3.16 NO							
L0001510	0	0.15872E-01	490654.9	3610293.1	3.5	3.40	4.51
3.16 NO							
L0001511	0	0.15872E-01	490647.8	3610294.4	3.5	3.40	4.51
3.16 NO							
L0001512	0	0.15872E-01	490644.8	3610303.7	3.5	3.40	4.51
3.16 NO							
L0001513	0	0.15872E-01	490641.7	3610312.9	3.5	3.40	4.51
3.16 NO							
L0001514	0	0.15872E-01	490638.7	3610322.1	3.5	3.40	4.51
3.16 NO							
L0001515	0	0.15872E-01	490635.7	3610331.3	3.5	3.40	4.51
3.16 NO							
L0001516	0	0.15872E-01	490632.7	3610340.5	3.5	3.40	4.51
3.16 NO							
L0001517	0	0.15872E-01	490629.7	3610349.8	3.6	3.40	4.51
3.16 NO							
L0001518	0	0.15872E-01	490626.6	3610359.0	3.6	3.40	4.51
3.16 NO							
L0001519	0	0.15872E-01	490623.6	3610368.2	3.6	3.40	4.51
3.16 NO							
L0001520	0	0.15872E-01	490620.6	3610377.4	3.6	3.40	4.51
3.16 NO							
L0001521	0	0.15872E-01	490617.6	3610386.6	3.6	3.40	4.51
3.16 NO							
L0001522	0	0.15872E-01	490614.6	3610395.9	3.6	3.40	4.51
3.16 NO							
L0001479	0	0.15873E-01	490727.9	3610456.1	4.5	3.40	4.51
3.16 NO							
L0001480	0	0.15873E-01	490730.9	3610446.9	4.5	3.40	4.51
3.16 NO							
L0001481	0	0.15873E-01	490734.0	3610437.7	4.5	3.40	4.51
3.16 NO							

L0001482	0	0.15873E-01	490737.0	3610428.5	4.5	3.40	4.51
3.16 NO							
L0001483	0	0.15873E-01	490740.1	3610419.3	4.5	3.40	4.51
3.16 NO							
L0001484	0	0.15873E-01	490743.1	3610410.1	4.4	3.40	4.51
3.16 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0001485	0	0.15873E-01	490746.2	3610400.9	4.4	3.40	4.51
3.16 NO							
L0001486	0	0.15873E-01	490749.2	3610391.7	4.4	3.40	4.51
3.16 NO							
L0001487	0	0.15873E-01	490752.3	3610382.5	4.4	3.40	4.51
3.16 NO							
L0001488	0	0.15873E-01	490755.3	3610373.2	4.4	3.40	4.51
3.16 NO							
L0001489	0	0.15873E-01	490758.4	3610364.0	4.3	3.40	4.51
3.16 NO							
L0001490	0	0.15873E-01	490761.4	3610354.8	4.3	3.40	4.51
3.16 NO							
L0001491	0	0.15873E-01	490764.5	3610345.6	4.3	3.40	4.51
3.16 NO							
L0001492	0	0.15873E-01	490767.5	3610336.4	4.3	3.40	4.51
3.16 NO							
L0001493	0	0.15873E-01	490770.6	3610327.2	4.3	3.40	4.51
3.16 NO							
L0001494	0	0.15873E-01	490773.6	3610318.0	4.2	3.40	4.51
3.16 NO							
L0001495	0	0.15873E-01	490776.6	3610308.8	4.2	3.40	4.51
3.16 NO							
L0001496	0	0.15873E-01	490779.7	3610299.6	4.1	3.40	4.51
3.16 NO							

L0001497	0	0.15873E-01	490782.7	3610290.4	4.1	3.40	4.51
3.16 NO							
L0001498	0	0.15873E-01	490785.8	3610281.2	4.1	3.40	4.51
3.16 NO							
L0001499	0	0.15873E-01	490788.8	3610271.9	4.1	3.40	4.51
3.16 NO							
L0001500	0	0.15873E-01	490791.9	3610262.7	4.2	3.40	4.51
3.16 NO							
L0001501	0	0.15873E-01	490794.9	3610253.5	4.2	3.40	4.51
3.16 NO							
L0001502	0	0.15873E-01	490798.0	3610244.3	4.1	3.40	4.51
3.16 NO							
L0001503	0	0.15873E-01	490801.0	3610235.1	4.1	3.40	4.51
3.16 NO							
L0001504	0	0.15873E-01	490804.1	3610225.9	4.0	3.40	4.51
3.16 NO							
L0001397	0	0.12196E-01	490398.2	3610345.4	2.6	3.90	1.72
3.63 NO							
L0001398	0	0.12196E-01	490399.3	3610341.9	2.7	3.90	1.72
3.63 NO							
L0001399	0	0.12196E-01	490400.5	3610338.4	2.7	3.90	1.72
3.63 NO							
L0001400	0	0.12196E-01	490401.6	3610334.8	2.8	3.90	1.72
3.63 NO							
L0001401	0	0.12196E-01	490402.8	3610331.3	2.8	3.90	1.72
3.63 NO							
L0001402	0	0.12196E-01	490403.9	3610327.8	2.9	3.90	1.72
3.63 NO							
L0001403	0	0.12196E-01	490405.1	3610324.3	2.9	3.90	1.72
3.63 NO							
L0001404	0	0.12196E-01	490406.3	3610320.8	2.9	3.90	1.72
3.63 NO							
L0001405	0	0.12196E-01	490407.4	3610317.3	2.9	3.90	1.72
3.63 NO							
L0001406	0	0.12196E-01	490408.6	3610313.8	2.9	3.90	1.72
3.63 NO							
L0001407	0	0.12196E-01	490409.7	3610310.2	2.9	3.90	1.72
3.63 NO							
L0001408	0	0.12196E-01	490410.9	3610306.7	2.9	3.90	1.72
3.63 NO							
L0001409	0	0.12196E-01	490412.0	3610303.2	2.9	3.90	1.72
3.63 NO							
L0001410	0	0.12196E-01	490413.2	3610299.7	2.9	3.90	1.72
3.63 NO							
L0001411	0	0.12196E-01	490414.3	3610296.2	2.9	3.90	1.72
3.63 NO							
L0001412	0	0.12196E-01	490415.5	3610292.7	2.9	3.90	1.72
3.63 NO							
L0001413	0	0.12196E-01	490416.6	3610289.1	2.8	3.90	1.72
3.63 NO							

L0001414	0	0.12196E-01	490417.8	3610285.6	2.8	3.90	1.72
3.63 NO							
L0001415	0	0.12196E-01	490419.0	3610282.1	2.8	3.90	1.72
3.63 NO							
L0001416	0	0.12196E-01	490420.1	3610278.6	2.8	3.90	1.72
3.63 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0001417	0	0.12196E-01	490421.3	3610275.1	2.8	3.90	1.72
3.63 NO							
L0001418	0	0.12196E-01	490422.4	3610271.6	2.8	3.90	1.72
3.63 NO							
L0001419	0	0.12196E-01	490423.6	3610268.1	2.8	3.90	1.72
3.63 NO							
L0001420	0	0.12196E-01	490424.7	3610264.5	2.8	3.90	1.72
3.63 NO							
L0001421	0	0.12196E-01	490425.9	3610261.0	2.8	3.90	1.72
3.63 NO							
L0001422	0	0.12196E-01	490427.0	3610257.5	2.9	3.90	1.72
3.63 NO							
L0001423	0	0.12196E-01	490428.2	3610254.0	2.9	3.90	1.72
3.63 NO							
L0001424	0	0.12196E-01	490429.3	3610250.5	2.9	3.90	1.72
3.63 NO							
L0001425	0	0.12196E-01	490430.5	3610247.0	2.9	3.90	1.72
3.63 NO							
L0001426	0	0.12196E-01	490431.6	3610243.4	3.0	3.90	1.72
3.63 NO							
L0001427	0	0.12196E-01	490432.8	3610239.9	3.0	3.90	1.72
3.63 NO							
L0001428	0	0.12196E-01	490434.0	3610236.4	3.0	3.90	1.72
3.63 NO							

L0001429	0	0.12196E-01	490435.1	3610232.9	3.0	3.90	1.72
3.63 NO							
L0001430	0	0.12196E-01	490436.3	3610229.4	3.0	3.90	1.72
3.63 NO							
L0001431	0	0.12196E-01	490437.4	3610225.9	3.0	3.90	1.72
3.63 NO							
L0001432	0	0.12196E-01	490438.6	3610222.4	3.0	3.90	1.72
3.63 NO							
L0001433	0	0.12196E-01	490439.7	3610218.8	2.9	3.90	1.72
3.63 NO							
L0001434	0	0.12196E-01	490440.9	3610215.3	2.9	3.90	1.72
3.63 NO							
L0001435	0	0.12196E-01	490442.0	3610211.8	2.9	3.90	1.72
3.63 NO							
L0001436	0	0.12196E-01	490443.2	3610208.3	2.8	3.90	1.72
3.63 NO							
L0001437	0	0.12196E-01	490444.3	3610204.8	2.8	3.90	1.72
3.63 NO							
L0001438	0	0.12196E-01	490445.5	3610201.3	2.7	3.90	1.72
3.63 NO							
L0001439	0	0.12196E-01	490446.6	3610197.7	2.7	3.90	1.72
3.63 NO							
L0001440	0	0.12196E-01	490447.8	3610194.2	2.7	3.90	1.72
3.63 NO							
L0001441	0	0.12196E-01	490449.0	3610190.7	2.7	3.90	1.72
3.63 NO							
L0001442	0	0.12196E-01	490450.1	3610187.2	2.7	3.90	1.72
3.63 NO							
L0001443	0	0.12196E-01	490451.3	3610183.7	2.8	3.90	1.72
3.63 NO							
L0001444	0	0.12196E-01	490452.4	3610180.2	2.8	3.90	1.72
3.63 NO							
L0001445	0	0.12194E-01	490590.7	3610259.7	3.2	3.90	1.72
3.63 NO							
L0001446	0	0.12194E-01	490594.2	3610260.7	3.2	3.90	1.72
3.63 NO							
L0001447	0	0.12194E-01	490597.8	3610261.6	3.2	3.90	1.72
3.63 NO							
L0001448	0	0.12194E-01	490601.4	3610262.6	3.2	3.90	1.72
3.63 NO							
L0001449	0	0.12194E-01	490604.9	3610263.6	3.2	3.90	1.72
3.63 NO							
L0001450	0	0.12194E-01	490608.5	3610264.6	3.2	3.90	1.72
3.63 NO							
L0001451	0	0.12194E-01	490612.1	3610265.6	3.2	3.90	1.72
3.63 NO							
L0001452	0	0.12194E-01	490615.6	3610266.5	3.2	3.90	1.72
3.63 NO							
L0001453	0	0.12194E-01	490619.2	3610267.5	3.3	3.90	1.72
3.63 NO							

L0001454	0	0.12194E-01	490622.8	3610268.5	3.3	3.90	1.72
3.63 NO							
L0001455	0	0.12194E-01	490626.3	3610269.5	3.3	3.90	1.72
3.63 NO							
L0001456	0	0.12194E-01	490629.9	3610270.5	3.3	3.90	1.72
3.63 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	(GRAMS/SEC)		ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)							

L0001457	0	0.12194E-01	490633.5	3610271.4	3.3	3.90	1.72
3.63 NO							
L0001458	0	0.12194E-01	490637.0	3610272.4	3.4	3.90	1.72
3.63 NO							
L0001459	0	0.12194E-01	490640.6	3610273.4	3.4	3.90	1.72
3.63 NO							
L0001460	0	0.12194E-01	490644.2	3610274.4	3.4	3.90	1.72
3.63 NO							
L0001461	0	0.12194E-01	490647.8	3610275.4	3.4	3.90	1.72
3.63 NO							
L0001462	0	0.12194E-01	490651.3	3610276.3	3.4	3.90	1.72
3.63 NO							
L0001463	0	0.12194E-01	490654.9	3610277.3	3.5	3.90	1.72
3.63 NO							
L0001464	0	0.12194E-01	490658.5	3610278.3	3.5	3.90	1.72
3.63 NO							
L0001465	0	0.12194E-01	490662.0	3610279.3	3.5	3.90	1.72
3.63 NO							
L0001466	0	0.12194E-01	490665.6	3610280.3	3.5	3.90	1.72
3.63 NO							
L0001467	0	0.12194E-01	490669.2	3610281.2	3.6	3.90	1.72
3.63 NO							
L0001468	0	0.12194E-01	490672.7	3610282.2	3.6	3.90	1.72
3.63 NO							

L0001469	0	0.12194E-01	490676.3	3610283.2	3.6	3.90	1.72
3.63 NO							
L0001470	0	0.12194E-01	490679.9	3610284.2	3.7	3.90	1.72
3.63 NO							
L0001471	0	0.12194E-01	490683.4	3610285.2	3.7	3.90	1.72
3.63 NO							
L0001472	0	0.12194E-01	490687.0	3610286.1	3.7	3.90	1.72
3.63 NO							
L0001473	0	0.12194E-01	490690.6	3610287.1	3.7	3.90	1.72
3.63 NO							
L0001474	0	0.12194E-01	490694.1	3610288.1	3.7	3.90	1.72
3.63 NO							
L0001475	0	0.12194E-01	490697.7	3610289.1	3.7	3.90	1.72
3.63 NO							
L0001476	0	0.12194E-01	490701.3	3610290.1	3.7	3.90	1.72
3.63 NO							
L0001477	0	0.12194E-01	490704.8	3610291.0	3.7	3.90	1.72
3.63 NO							
L0001478	0	0.12194E-01	490708.4	3610292.0	3.7	3.90	1.72
3.63 NO							

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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YRDTRK	L0001542 , L0001543 , L0001544 , L0001545 , L0001546 ,
L0001547	, L0001548 , L0001549 ,
L0001555	L0001550 , L0001551 , L0001552 , L0001553 , L0001554 ,
	, L0001556 , L0001557 ,
L0001563	L0001558 , L0001559 , L0001560 , L0001561 , L0001562 ,
	, L0001564 , L0001565 ,
L0001571	L0001566 , L0001567 , L0001568 , L0001569 , L0001570 ,
	, L0001572 , L0001573 ,
L0001579	L0001574 , L0001575 , L0001576 , L0001577 , L0001578 ,
	, L0001580 , L0001581 ,

L0001587 L0001582 , L0001583 , L0001584 , L0001585 , L0001586 ,
 , L0001588 , L0001589 ,
 L0001590 ,
 IDLE
 L0001258 L0001253 , L0001254 , L0001255 , L0001256 , L0001257 ,
 , L0001259 , L0001260 ,
 L0001266 L0001261 , L0001262 , L0001263 , L0001264 , L0001265 ,
 , L0001267 , L0001268 ,
 L0001274 L0001269 , L0001270 , L0001271 , L0001272 , L0001273 ,
 , L0001275 , L0001276 ,
 L0001282 L0001277 , L0001278 , L0001279 , L0001280 , L0001281 ,
 , L0001283 , L0001284 ,
 L0001290 L0001285 , L0001286 , L0001287 , L0001288 , L0001289 ,
 , L0001291 , L0001292 ,
 L0001298 L0001293 , L0001294 , L0001295 , L0001296 , L0001297 ,
 , L0001299 , L0001300 ,
 L0001306 L0001301 , L0001302 , L0001303 , L0001304 , L0001305 ,
 , L0001307 , L0001308 ,
 L0001314 L0001309 , L0001310 , L0001311 , L0001312 , L0001313 ,
 , L0001315 , L0001316 ,
 L0001322 L0001317 , L0001318 , L0001319 , L0001320 , L0001321 ,
 , L0001323 , L0001324 ,
 L0001330 L0001325 , L0001326 , L0001327 , L0001328 , L0001329 ,
 , L0001331 , L0001332 ,
 L0001338 L0001333 , L0001334 , L0001335 , L0001336 , L0001337 ,
 , L0001339 , L0001340 ,
 L0001346 L0001341 , L0001342 , L0001343 , L0001344 , L0001345 ,
 , L0001347 , L0001348 ,
 L0001354 L0001349 , L0001350 , L0001351 , L0001352 , L0001353 ,
 , L0001355 , L0001356 ,

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID -----	SOURCE IDs -----					
L0001362	L0001357 , L0001363	, L0001358 , L0001364	, L0001359 ,	, L0001360	, L0001361	,
L0001370	L0001365 , L0001371	, L0001366 , L0001372	, L0001367 ,	, L0001368	, L0001369	,
L0001378	L0001373 , L0001379	, L0001374 , L0001380	, L0001375 ,	, L0001376	, L0001377	,
L0001386	L0001381 , L0001387	, L0001382 , L0001388	, L0001383 ,	, L0001384	, L0001385	,
L0001394	L0001389 , L0001395	, L0001390 , L0001396	, L0001391 ,	, L0001392	, L0001393	,
FORKLIFT L0001528	L0001523 , L0001529	, L0001524 , L0001530	, L0001525 ,	, L0001526	, L0001527	,
L0001536	L0001531 , L0001537	, L0001532 , L0001538	, L0001533 ,	, L0001534	, L0001535	,
L0001507	L0001539 , L0001508	, L0001540 , L0001509	, L0001541 ,	, L0001505	, L0001506	,
L0001515	L0001510 , L0001516	, L0001511 , L0001517	, L0001512 ,	, L0001513	, L0001514	,
L0001479	L0001518 , L0001480	, L0001519 , L0001481	, L0001520 ,	, L0001521	, L0001522	,
L0001487	L0001482 , L0001488	, L0001483 , L0001489	, L0001484 ,	, L0001485	, L0001486	,
L0001495	L0001490 , L0001496	, L0001491 , L0001497	, L0001492 ,	, L0001493	, L0001494	,
L0001503	L0001498 , L0001504	, L0001499 ,	, L0001500	, L0001501	, L0001502	,
TRUS L0001402	L0001397 , L0001403	, L0001398 , L0001404	, L0001399 ,	, L0001400	, L0001401	,

L0001410 L0001405 , L0001406 , L0001407 , L0001408 , L0001409 ,
 , L0001411 , L0001412 ,

 L0001418 L0001413 , L0001414 , L0001415 , L0001416 , L0001417 ,
 , L0001419 , L0001420 ,

 L0001426 L0001421 , L0001422 , L0001423 , L0001424 , L0001425 ,
 , L0001427 , L0001428 ,

 L0001434 L0001429 , L0001430 , L0001431 , L0001432 , L0001433 ,
 , L0001435 , L0001436 ,

 L0001442 L0001437 , L0001438 , L0001439 , L0001440 , L0001441 ,
 , L0001443 , L0001444 ,

 L0001450 L0001445 , L0001446 , L0001447 , L0001448 , L0001449 ,
 , L0001451 , L0001452 ,
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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0001458	L0001453 , L0001454 , L0001455 , L0001456 , L0001457 , , L0001459 , L0001460 ,
L0001466	L0001461 , L0001462 , L0001463 , L0001464 , L0001465 , , L0001467 , L0001468 ,
L0001474	L0001469 , L0001470 , L0001471 , L0001472 , L0001473 , , L0001475 , L0001476 ,
	L0001477 , L0001478 ,
TRUCK1E L0000180	L0000175 , L0000176 , L0000177 , L0000178 , L0000179 , , L0000181 , L0000182 ,
L0000188	L0000183 , L0000184 , L0000185 , L0000186 , L0000187 , , L0000189 , L0000190 ,
	L0000191 , L0000192 , L0000193 , L0000194 , L0000195 ,

L0000196 , L0000197 , L0000198 ,
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 L0000244 , L0000245 , L0000246 ,
 L0000247 , L0000248 , L0000249 , L0000250 , L0000251 ,
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 L0000284 , L0000285 , L0000286 ,
 L0000287 , L0000288 , L0000289 , L0000290 , L0000291 ,
 L0000292 , L0000293 , L0000294 ,
 L0000295 , L0000296 , L0000297 , L0000298 , L0000299 ,
 L0000300 , L0000301 , L0000302 ,

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SRCGROUP ID

SOURCE IDs

L0000308	L0000303 , L0000309	, L0000304 , L0000310	, L0000305 ,	, L0000306 ,	L0000307 ,
L0000316	L0000311 , L0000317	, L0000312 , L0000318	, L0000313 ,	, L0000314 ,	L0000315 ,
L0000324	L0000319 , L0000325	, L0000320 , L0000326	, L0000321 ,	, L0000322 ,	L0000323 ,
L0000332	L0000327 , L0000333	, L0000328 , L0000334	, L0000329 ,	, L0000330 ,	L0000331 ,
L0000340	L0000335 , L0000341	, L0000336 , L0000342	, L0000337 ,	, L0000338 ,	L0000339 ,
L0000348	L0000343 , L0000349	, L0000344 , L0000350	, L0000345 ,	, L0000346 ,	L0000347 ,
L0000356	L0000351 , L0000357	, L0000352 , L0000358	, L0000353 ,	, L0000354 ,	L0000355 ,
L0000364	L0000359 , L0000365	, L0000360 , L0000366	, L0000361 ,	, L0000362 ,	L0000363 ,
L0000372	L0000367 , L0000373	, L0000368 , L0000374	, L0000369 ,	, L0000370 ,	L0000371 ,
L0000380	L0000375 , L0000381	, L0000376 , L0000382	, L0000377 ,	, L0000378 ,	L0000379 ,
L0000388	L0000383 , L0000389	, L0000384 , L0000390	, L0000385 ,	, L0000386 ,	L0000387 ,
L0000396	L0000391 , L0000397	, L0000392 , L0000398	, L0000393 ,	, L0000394 ,	L0000395 ,
L0000404	L0000399 , L0000405	, L0000400 , L0000406	, L0000401 ,	, L0000402 ,	L0000403 ,
L0000412	L0000407 , L0000413	, L0000408 , L0000414	, L0000409 ,	, L0000410 ,	L0000411 ,
L0000420	L0000415 , L0000421	, L0000416 , L0000422	, L0000417 ,	, L0000418 ,	L0000419 ,

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L0000428      L0000423      , L0000424      , L0000425      , L0000426      , L0000427      ,
, L0000429      , L0000430      ,

L0000436      L0000431      , L0000432      , L0000433      , L0000434      , L0000435      ,
, L0000437      , L0000438      ,

L0000444      L0000439      , L0000440      , L0000441      , L0000442      , L0000443      ,
, L0000445      , L0000446      ,

L0000452      L0000447      , L0000448      , L0000449      , L0000450      , L0000451      ,
, L0000453      , L0000454      ,

L0000460      L0000455      , L0000456      , L0000457      , L0000458      , L0000459      ,
, L0000461      , L0000462      ,
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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SRCGROUP ID          SOURCE IDs
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L0000468      L0000463      , L0000464      , L0000465      , L0000466      , L0000467      ,
, L0000469      , L0000470      ,

L0000476      L0000471      , L0000472      , L0000473      , L0000474      , L0000475      ,
, L0000477      , L0000478      ,

L0000484      L0000479      , L0000480      , L0000481      , L0000482      , L0000483      ,
, L0000485      , L0000486      ,

L0000492      L0000487      , L0000488      , L0000489      , L0000490      , L0000491      ,
, L0000493      , L0000494      ,

L0000495      , L0000496      , L0000497      ,

TRUCK2N      L0000810      , L0000811      , L0000812      , L0000813      , L0000814      ,
L0000815      , L0000816      , L0000817      ,

L0000823      L0000818      , L0000819      , L0000820      , L0000821      , L0000822      ,
, L0000824      , L0000825      ,

L0000826      , L0000827      , L0000828      , L0000829      , L0000830      ,

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L0000831 , L0000832 , L0000833 ,
 L0000839 , L0000840 , L0000841 , L0000834 , L0000835 , L0000836 , L0000837 , L0000838 ,
 L0000847 , L0000848 , L0000849 , L0000842 , L0000843 , L0000844 , L0000845 , L0000846 ,
 L0000855 , L0000856 , L0000857 , L0000850 , L0000851 , L0000852 , L0000853 , L0000854 ,
 L0000863 , L0000864 , L0000865 , L0000858 , L0000859 , L0000860 , L0000861 , L0000862 ,
 L0000871 , L0000872 , L0000873 , L0000866 , L0000867 , L0000868 , L0000869 , L0000870 ,
 L0000879 , L0000880 , L0000881 , L0000874 , L0000875 , L0000876 , L0000877 , L0000878 ,
 L0000887 , L0000888 , L0000889 , L0000882 , L0000883 , L0000884 , L0000885 , L0000886 ,
 L0000895 , L0000896 , L0000897 , L0000890 , L0000891 , L0000892 , L0000893 , L0000894 ,
 L0000903 , L0000904 , L0000905 , L0000898 , L0000899 , L0000900 , L0000901 , L0000902 ,
 L0000911 , L0000912 , L0000913 , L0000906 , L0000907 , L0000908 , L0000909 , L0000910 ,
 L0000919 , L0000920 , L0000921 , L0000914 , L0000915 , L0000916 , L0000917 , L0000918 ,
 L0000927 , L0000928 , L0000929 , L0000922 , L0000923 , L0000924 , L0000925 , L0000926 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0000935 L0000930 , L0000931 , L0000932 , L0000933 , L0000934 ,
 , L0000936 , L0000937 ,

L0000943 L0000938 , L0000939 , L0000940 , L0000941 , L0000942 ,
 , L0000944 , L0000945 ,

L0000951 L0000946 , L0000947 , L0000948 , L0000949 , L0000950 ,
 , L0000952 , L0000953 ,

L0000959 L0000954 , L0000955 , L0000956 , L0000957 , L0000958 ,
 , L0000960 , L0000961 ,

L0000967 L0000962 , L0000963 , L0000964 , L0000965 , L0000966 ,
 , L0000968 , L0000969 ,

L0000975 L0000970 , L0000971 , L0000972 , L0000973 , L0000974 ,
 , L0000976 , L0000977 ,

L0000983 L0000978 , L0000979 , L0000980 , L0000981 , L0000982 ,
 , L0000984 , L0000985 ,

L0000991 L0000986 , L0000987 , L0000988 , L0000989 , L0000990 ,
 , L0000992 , L0000993 ,

L0000999 L0000994 , L0000995 , L0000996 , L0000997 , L0000998 ,
 , L0001000 , L0001001 ,

L0001007 L0001002 , L0001003 , L0001004 , L0001005 , L0001006 ,
 , L0001008 , L0001009 ,

L0001015 L0001010 , L0001011 , L0001012 , L0001013 , L0001014 ,
 , L0001016 , L0001017 ,

L0001023 L0001018 , L0001019 , L0001020 , L0001021 , L0001022 ,
 , L0001024 , L0001025 ,

L0001031 L0001026 , L0001027 , L0001028 , L0001029 , L0001030 ,
 , L0001032 , L0001033 ,

L0001039 L0001034 , L0001035 , L0001036 , L0001037 , L0001038 ,
 , L0001040 , L0001041 ,

L0001047 L0001042 , L0001043 , L0001044 , L0001045 , L0001046 ,
 , L0001048 , L0001049 ,

L0001055 L0001050 , L0001051 , L0001052 , L0001053 , L0001054 ,
 , L0001056 , L0001057 ,

L0001058 ,
 TRUCK3S L0000498 , L0000499 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 ,
 L0000511 L0000506 , L0000507 , L0000508 , L0000509 , L0000510 ,
 , L0000512 , L0000513 ,
 L0000514 , L0000515 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 ,
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0000527	L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , , L0000528 , L0000529 ,
L0000535	L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , , L0000536 , L0000537 ,
L0000543	L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , , L0000544 , L0000545 ,
L0000551	L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , , L0000552 , L0000553 ,
L0000559	L0000554 , L0000555 , L0000556 , L0000557 , L0000558 , , L0000560 , L0000561 ,
L0000567	L0000562 , L0000563 , L0000564 , L0000565 , L0000566 , , L0000568 , L0000569 ,
L0000575	L0000570 , L0000571 , L0000572 , L0000573 , L0000574 , , L0000576 , L0000577 ,
L0000583	L0000578 , L0000579 , L0000580 , L0000581 , L0000582 , , L0000584 , L0000585 ,
	L0000586 , L0000587 , L0000588 , L0000589 , L0000590 ,

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 L0000602 , L0000603 , L0000604 , L0000605 , L0000606 ,
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 L0000610 , L0000611 , L0000612 , L0000613 , L0000614 ,
 L0000615 , L0000616 , L0000617 ,
 L0000618 , L0000619 , L0000620 , L0000621 , L0000622 ,
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 L0000626 , L0000627 , L0000628 , L0000629 , L0000630 ,
 L0000631 , L0000632 , L0000633 ,
 L0000634 , L0000635 , L0000636 , L0000637 , L0000638 ,
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 L0000663 , L0000664 , L0000665 ,
 L0000666 , L0000667 , L0000668 , L0000669 , L0000670 ,
 L0000671 , L0000672 , L0000673 ,
 L0000674 , L0000675 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0000682 , L0000683 , L0000684 , L0000685 , L0000686 ,

L0000687 , L0000688 , L0000689 ,
 L0000695 , L0000690 , L0000691 , L0000692 , L0000693 , L0000694 ,
 L0000703 , L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 , L0000702 ,
 L0000711 , L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 , L0000710 ,
 L0000719 , L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 , L0000718 ,
 L0000727 , L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 , L0000726 ,
 L0000735 , L0000728 , L0000729 , L0000730 , L0000731 , L0000732 , L0000733 , L0000734 ,
 L0000743 , L0000736 , L0000737 , L0000738 , L0000739 , L0000740 , L0000741 , L0000742 ,
 L0000751 , L0000744 , L0000745 , L0000746 , L0000747 , L0000748 , L0000749 , L0000750 ,
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 L0000799 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 , L0000798 ,
 L0000807 , L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 , L0000806 ,

EMGBLDG1 STCK2 ,

EMGBLDG2 STCK4 ,

EMGBLDG3 STCK3 ,

EMGBLDG4 STCK1 ,

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

EMGPA-A STCK5 ,

ALL L0001253 , L0001254 , L0001255 , L0001256 , L0001257 ,
L0001258 , L0001259 , L0001260 ,

L0001261 , L0001262 , L0001263 , L0001264 , L0001265 ,
L0001266 , L0001267 , L0001268 ,

L0001269 , L0001270 , L0001271 , L0001272 , L0001273 ,
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L0001282 , L0001283 , L0001284 ,

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L0001290 , L0001291 , L0001292 ,

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L0001325 , L0001326 , L0001327 , L0001328 , L0001329 ,
L0001330 , L0001331 , L0001332 ,

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L0001338      L0001333      , L0001334      , L0001335      , L0001336      , L0001337      ,
, L0001339      , L0001340      ,
L0001346      L0001341      , L0001342      , L0001343      , L0001344      , L0001345      ,
, L0001347      , L0001348      ,
L0001354      L0001349      , L0001350      , L0001351      , L0001352      , L0001353      ,
, L0001355      , L0001356      ,
L0001362      L0001357      , L0001358      , L0001359      , L0001360      , L0001361      ,
, L0001363      , L0001364      ,
L0001370      L0001365      , L0001366      , L0001367      , L0001368      , L0001369      ,
, L0001371      , L0001372      ,
L0001378      L0001373      , L0001374      , L0001375      , L0001376      , L0001377      ,
, L0001379      , L0001380      ,
L0001386      L0001381      , L0001382      , L0001383      , L0001384      , L0001385      ,
, L0001387      , L0001388      ,
L0001394      L0001389      , L0001390      , L0001391      , L0001392      , L0001393      ,
, L0001395      , L0001396      ,
L0000180      L0000175      , L0000176      , L0000177      , L0000178      , L0000179      ,
, L0000181      , L0000182      ,
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

```

SRCGROUP ID          SOURCE IDs
-----
L0000188      L0000183      , L0000184      , L0000185      , L0000186      , L0000187      ,
, L0000189      , L0000190      ,
L0000196      L0000191      , L0000192      , L0000193      , L0000194      , L0000195      ,
, L0000197      , L0000198      ,
L0000204      L0000199      , L0000200      , L0000201      , L0000202      , L0000203      ,
, L0000205      , L0000206      ,

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L0000212	L0000207 , L0000213	, L0000208 , L0000214	, L0000209 ,	, L0000210	, L0000211	,
L0000220	L0000215 , L0000221	, L0000216 , L0000222	, L0000217 ,	, L0000218	, L0000219	,
L0000228	L0000223 , L0000229	, L0000224 , L0000230	, L0000225 ,	, L0000226	, L0000227	,
L0000236	L0000231 , L0000237	, L0000232 , L0000238	, L0000233 ,	, L0000234	, L0000235	,
L0000244	L0000239 , L0000245	, L0000240 , L0000246	, L0000241 ,	, L0000242	, L0000243	,
L0000252	L0000247 , L0000253	, L0000248 , L0000254	, L0000249 ,	, L0000250	, L0000251	,
L0000260	L0000255 , L0000261	, L0000256 , L0000262	, L0000257 ,	, L0000258	, L0000259	,
L0000268	L0000263 , L0000269	, L0000264 , L0000270	, L0000265 ,	, L0000266	, L0000267	,
L0000276	L0000271 , L0000277	, L0000272 , L0000278	, L0000273 ,	, L0000274	, L0000275	,
L0000284	L0000279 , L0000285	, L0000280 , L0000286	, L0000281 ,	, L0000282	, L0000283	,
L0000292	L0000287 , L0000293	, L0000288 , L0000294	, L0000289 ,	, L0000290	, L0000291	,
L0000300	L0000295 , L0000301	, L0000296 , L0000302	, L0000297 ,	, L0000298	, L0000299	,
L0000308	L0000303 , L0000309	, L0000304 , L0000310	, L0000305 ,	, L0000306	, L0000307	,
L0000316	L0000311 , L0000317	, L0000312 , L0000318	, L0000313 ,	, L0000314	, L0000315	,
L0000324	L0000319 , L0000325	, L0000320 , L0000326	, L0000321 ,	, L0000322	, L0000323	,
L0000332	L0000327 , L0000333	, L0000328 , L0000334	, L0000329 ,	, L0000330	, L0000331	,
	L0000335	, L0000336	, L0000337	, L0000338	, L0000339	,

L0000340 , L0000341 , L0000342 ,
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000348	L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , , L0000349 , L0000350 ,
L0000356	L0000351 , L0000352 , L0000353 , L0000354 , L0000355 , , L0000357 , L0000358 ,
L0000364	L0000359 , L0000360 , L0000361 , L0000362 , L0000363 , , L0000365 , L0000366 ,
L0000372	L0000367 , L0000368 , L0000369 , L0000370 , L0000371 , , L0000373 , L0000374 ,
L0000380	L0000375 , L0000376 , L0000377 , L0000378 , L0000379 , , L0000381 , L0000382 ,
L0000388	L0000383 , L0000384 , L0000385 , L0000386 , L0000387 , , L0000389 , L0000390 ,
L0000396	L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , , L0000397 , L0000398 ,
L0000404	L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , , L0000405 , L0000406 ,
L0000412	L0000407 , L0000408 , L0000409 , L0000410 , L0000411 , , L0000413 , L0000414 ,
L0000420	L0000415 , L0000416 , L0000417 , L0000418 , L0000419 , , L0000421 , L0000422 ,
L0000428	L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , , L0000429 , L0000430 ,
	L0000431 , L0000432 , L0000433 , L0000434 , L0000435 ,

L0000436 , L0000437 , L0000438 ,
 L0000444 , L0000445 , L0000446 , L0000447 , L0000448 , L0000449 , L0000450 , L0000451 ,
 L0000460 , L0000461 , L0000462 , L0000463 , L0000464 , L0000465 , L0000466 , L0000467 ,
 L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
 L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 ,
 L0000500 , L0000501 , L0000502 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000508	L0000503 , L0000504 , L0000505 , L0000506 , L0000507 , L0000509 , L0000510 ,
L0000516	L0000511 , L0000512 , L0000513 , L0000514 , L0000515 , L0000517 , L0000518 ,
L0000524	L0000519 , L0000520 , L0000521 , L0000522 , L0000523 , L0000525 , L0000526 ,
	L0000527 , L0000528 , L0000529 , L0000530 , L0000531 ,

L0000532 , L0000533 , L0000534 ,
 L0000540 , L0000535 , L0000536 , L0000537 , L0000538 , L0000539 ,
 L0000548 , L0000541 , L0000542 , L0000543 , L0000544 , L0000545 , L0000546 , L0000547 ,
 L0000556 , L0000549 , L0000550 , L0000551 , L0000552 , L0000553 , L0000554 , L0000555 ,
 L0000564 , L0000559 , L0000560 , L0000561 , L0000562 , L0000563 ,
 L0000572 , L0000567 , L0000568 , L0000569 , L0000570 , L0000571 ,
 L0000580 , L0000575 , L0000576 , L0000577 , L0000578 , L0000579 ,
 L0000588 , L0000583 , L0000584 , L0000585 , L0000586 , L0000587 ,
 L0000596 , L0000589 , L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 ,
 L0000604 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 ,
 L0000612 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 ,
 L0000620 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 ,
 L0000628 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 ,
 L0000636 , L0000629 , L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 ,
 L0000644 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 ,
 L0000652 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 ,
 L0000660 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 ,
 L0000661 , L0000662 ,

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000668	L0000663 , L0000664 , L0000665 , L0000666 , L0000667 , , L0000669 , L0000670 ,
L0000676	L0000671 , L0000672 , L0000673 , L0000674 , L0000675 , , L0000677 , L0000678 ,
L0000684	L0000679 , L0000680 , L0000681 , L0000682 , L0000683 , , L0000685 , L0000686 ,
L0000692	L0000687 , L0000688 , L0000689 , L0000690 , L0000691 , , L0000693 , L0000694 ,
L0000700	L0000695 , L0000696 , L0000697 , L0000698 , L0000699 , , L0000701 , L0000702 ,
L0000708	L0000703 , L0000704 , L0000705 , L0000706 , L0000707 , , L0000709 , L0000710 ,
L0000716	L0000711 , L0000712 , L0000713 , L0000714 , L0000715 , , L0000717 , L0000718 ,
L0000724	L0000719 , L0000720 , L0000721 , L0000722 , L0000723 , , L0000725 , L0000726 ,
L0000732	L0000727 , L0000728 , L0000729 , L0000730 , L0000731 , , L0000733 , L0000734 ,
L0000740	L0000735 , L0000736 , L0000737 , L0000738 , L0000739 , , L0000741 , L0000742 ,
L0000748	L0000743 , L0000744 , L0000745 , L0000746 , L0000747 , , L0000749 , L0000750 ,
L0000756	L0000751 , L0000752 , L0000753 , L0000754 , L0000755 , , L0000757 , L0000758 ,

L0000764 L0000759 , L0000760 , L0000761 , L0000762 , L0000763 ,
 , L0000765 , L0000766 ,

 L0000772 L0000767 , L0000768 , L0000769 , L0000770 , L0000771 ,
 , L0000773 , L0000774 ,

 L0000780 L0000775 , L0000776 , L0000777 , L0000778 , L0000779 ,
 , L0000781 , L0000782 ,

 L0000788 L0000783 , L0000784 , L0000785 , L0000786 , L0000787 ,
 , L0000789 , L0000790 ,

 L0000796 L0000791 , L0000792 , L0000793 , L0000794 , L0000795 ,
 , L0000797 , L0000798 ,

 L0000804 L0000799 , L0000800 , L0000801 , L0000802 , L0000803 ,
 , L0000805 , L0000806 ,

 L0000812 L0000807 , L0000808 , L0000809 , L0000810 , L0000811 ,
 , L0000813 , L0000814 ,

 L0000820 L0000815 , L0000816 , L0000817 , L0000818 , L0000819 ,
 , L0000821 , L0000822 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0000828	L0000823	, L0000824	, L0000825	, L0000826	, L0000827	,
	, L0000829	, L0000830	,			
L0000836	L0000831	, L0000832	, L0000833	, L0000834	, L0000835	,
	, L0000837	, L0000838	,			
L0000844	L0000839	, L0000840	, L0000841	, L0000842	, L0000843	,
	, L0000845	, L0000846	,			
L0000852	L0000847	, L0000848	, L0000849	, L0000850	, L0000851	,
	, L0000853	, L0000854	,			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0000988	L0000983	, L0000984	, L0000985	, L0000986	, L0000987	,
	, L0000989	, L0000990	,			
L0000996	L0000991	, L0000992	, L0000993	, L0000994	, L0000995	,
	, L0000997	, L0000998	,			
L0001004	L0000999	, L0001000	, L0001001	, L0001002	, L0001003	,
	, L0001005	, L0001006	,			
L0001012	L0001007	, L0001008	, L0001009	, L0001010	, L0001011	,
	, L0001013	, L0001014	,			
L0001020	L0001015	, L0001016	, L0001017	, L0001018	, L0001019	,
	, L0001021	, L0001022	,			
L0001028	L0001023	, L0001024	, L0001025	, L0001026	, L0001027	,
	, L0001029	, L0001030	,			
L0001036	L0001031	, L0001032	, L0001033	, L0001034	, L0001035	,
	, L0001037	, L0001038	,			
L0001044	L0001039	, L0001040	, L0001041	, L0001042	, L0001043	,
	, L0001045	, L0001046	,			
L0001052	L0001047	, L0001048	, L0001049	, L0001050	, L0001051	,
	, L0001053	, L0001054	,			
L0001543	L0001055	, L0001056	, L0001057	, L0001058	, L0001542	,
	, L0001544	, L0001545	,			
L0001551	L0001546	, L0001547	, L0001548	, L0001549	, L0001550	,
	, L0001552	, L0001553	,			
L0001559	L0001554	, L0001555	, L0001556	, L0001557	, L0001558	,
	, L0001560	, L0001561	,			
L0001567	L0001562	, L0001563	, L0001564	, L0001565	, L0001566	,
	, L0001568	, L0001569	,			

L0001575 L0001570 , L0001571 , L0001572 , L0001573 , L0001574 ,
 , L0001576 , L0001577 ,

 L0001583 L0001578 , L0001579 , L0001580 , L0001581 , L0001582 ,
 , L0001584 , L0001585 ,

 L0001523 L0001586 , L0001587 , L0001588 , L0001589 , L0001590 ,
 , L0001524 , L0001525 ,

 L0001531 L0001526 , L0001527 , L0001528 , L0001529 , L0001530 ,
 , L0001532 , L0001533 ,

 L0001539 L0001534 , L0001535 , L0001536 , L0001537 , L0001538 ,
 , L0001540 , L0001541 ,

 L0001510 L0001505 , L0001506 , L0001507 , L0001508 , L0001509 ,
 , L0001511 , L0001512 ,

 L0001518 L0001513 , L0001514 , L0001515 , L0001516 , L0001517 ,
 , L0001519 , L0001520 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0001482	L0001521 , L0001522 , L0001479 , L0001480 , L0001481 , , L0001483 , L0001484 ,
L0001490	L0001485 , L0001486 , L0001487 , L0001488 , L0001489 , , L0001491 , L0001492 ,
L0001498	L0001493 , L0001494 , L0001495 , L0001496 , L0001497 , , L0001499 , L0001500 ,
L0001398	L0001501 , L0001502 , L0001503 , L0001504 , L0001397 , , L0001399 , L0001400 ,
L0001406	L0001401 , L0001402 , L0001403 , L0001404 , L0001405 , , L0001407 , L0001408 ,

7	0.0,	0.0,	0.0,	0.0,	0.0,	8	9.1,	233.8,	89.8,	3.9,
110.6,										
9	9.1,	239.0,	126.9,	-34.6,	117.4,	10	9.1,	236.8,	160.2,	-72.1,
120.6,										
11	0.0,	0.0,	0.0,	0.0,	0.0,	12	0.0,	0.0,	0.0,	0.0,
0.0,										
13	0.0,	0.0,	0.0,	0.0,	0.0,	14	0.0,	0.0,	0.0,	0.0,
0.0,										
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,
0.0,										
17	9.1,	89.8,	233.8,	-227.5,	48.8,	18	9.1,	126.9,	239.0,	-236.8,
28.8,										
19	9.1,	160.2,	236.8,	-239.0,	8.0,	20	9.1,	188.6,	227.5,	-233.9,
-13.0,										
21	9.1,	211.2,	211.2,	-221.7,	-33.7,	22	9.1,	227.5,	188.5,	-202.7,
-53.3,										
23	9.1,	236.8,	160.1,	-177.6,	-71.4,	24	9.1,	239.0,	126.9,	-147.1,
-87.2,										
25	9.1,	233.9,	89.8,	-112.1,	-100.4,	26	9.1,	233.8,	89.8,	-93.7,
-110.6,										
27	9.1,	239.0,	126.9,	-92.3,	-117.4,	28	9.1,	236.8,	160.2,	-88.1,
-120.6,										
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,
0.0,										
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,
0.0,										
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,
0.0,										
35	9.1,	89.8,	233.8,	-6.3,	-48.8,	36	9.1,	126.9,	239.0,	-2.1,
-28.8,										

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ
YADJ										
1	9.1,	90.6,	120.1,	14.0,	-19.1,	2	9.1,	102.9,	117.9,	17.2,
-6.0,										
3	9.1,	169.2,	169.2,	-131.2,	-36.6,	4	9.1,	153.7,	179.5,	-129.3,
-44.2,										
5	9.1,	133.6,	184.4,	-123.5,	-50.4,	6	9.1,	109.3,	183.7,	-113.9,
-55.0,										
7	9.1,	142.9,	83.3,	-93.6,	72.5,	8	9.1,	142.9,	83.3,	-105.4,
62.3,										
9	9.1,	109.3,	183.7,	-83.5,	-58.7,	10	9.1,	133.6,	184.4,	-73.8,
-56.4,										
11	9.1,	153.4,	137.4,	-155.0,	22.1,	12	9.1,	147.6,	147.6,	-162.7,
6.8,										
13	9.1,	137.4,	153.4,	-165.5,	-8.8,	14	9.1,	122.9,	154.6,	-163.2,
-24.0,										
15	9.1,	104.7,	151.0,	-155.9,	-38.6,	16	9.1,	177.4,	81.8,	17.1,

25	9.1,	113.6,	58.1,	-93.1,	-53.9,	26	9.1,	142.9,	83.3,	11.7,
-63.6,										
27	9.1,	109.3,	183.7,	-110.2,	55.7,	28	9.1,	133.6,	184.4,	-120.0,
51.7,										
29	9.1,	153.4,	137.4,	9.3,	-28.4,	30	9.1,	147.6,	147.6,	7.9,
-14.4,										
31	9.1,	137.4,	153.4,	6.3,	0.0,	32	9.1,	122.9,	154.6,	4.4,
14.4,										
33	9.1,	104.7,	151.0,	2.5,	28.4,	34	9.1,	83.3,	142.9,	0.4,
41.5,										
35	9.1,	177.4,	81.8,	-99.0,	-8.4,	36	9.1,	75.5,	118.6,	13.2,
-41.7,										

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ
YADJ										
1	9.1,	184.4,	133.6,	9.8,	-58.0,	2	9.1,	179.5,	153.7,	8.6,
-43.8,										
3	9.1,	169.2,	169.2,	7.1,	-28.3,	4	9.1,	153.7,	179.5,	5.5,
-12.0,										
5	9.1,	133.6,	184.4,	3.7,	4.8,	6	9.1,	109.3,	183.7,	1.8,
21.4,										
7	9.1,	81.8,	177.4,	-0.2,	37.3,	8	9.1,	233.8,	89.8,	-116.5,
117.0,										
9	9.1,	239.0,	126.9,	-154.3,	102.8,	10	9.1,	236.8,	160.2,	-187.4,
85.5,										
11	9.1,	227.5,	188.6,	-214.8,	65.5,	12	9.1,	211.2,	211.2,	-235.7,
43.6,										
13	9.1,	188.5,	227.5,	-249.4,	20.4,	14	9.1,	184.4,	133.6,	-71.5,
95.9,										
15	9.1,	183.7,	109.3,	-76.0,	93.6,	16	9.1,	177.4,	81.8,	-78.2,
88.5,										
17	9.1,	177.4,	81.8,	-93.0,	80.7,	18	9.1,	183.7,	109.3,	-120.0,
70.4,										
19	9.1,	184.4,	133.6,	-143.3,	58.0,	20	9.1,	179.5,	153.7,	-162.3,
43.8,										
21	9.1,	169.2,	169.2,	-176.3,	28.3,	22	9.1,	153.7,	179.5,	-185.0,
12.0,										
23	9.1,	133.6,	184.4,	-188.1,	-4.8,	24	9.1,	109.3,	183.7,	-185.5,
-21.4,										
25	9.1,	81.8,	177.4,	-177.2,	-37.3,	26	0.0,	0.0,	0.0,	0.0,
0.0,										
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,
0.0,										
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,
0.0,										
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	9.1,	184.4,	133.6,	-62.0,
-95.9,										
33	9.1,	183.7,	109.3,	-33.3,	-93.6,	34	9.1,	177.4,	81.8,	-3.6,

-88.5,
35 9.1, 177.4, 81.8, 11.2, -80.7, 36 9.1, 183.7, 109.3, 10.6,
-70.4,

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** DIRECTION SPECIFIC BUILDING DIMENSIONS

SOURCE ID: STCK5										
IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ
YADJ										
1	11.9,	188.9,	264.5,	-4.4,	11.5,	2	11.9,	219.6,	251.1,	-1.6,
33.5,										
3	11.9,	243.5,	230.0,	1.2,	54.6,	4	11.9,	260.1,	201.9,	4.0,
73.9,										
5	11.9,	268.8,	167.7,	6.7,	91.0,	6	11.9,	269.3,	128.4,	9.2,
105.4,										
7	11.9,	261.6,	85.2,	11.4,	116.5,	8	11.9,	267.2,	111.5,	-22.8,
124.1,										
9	11.9,	269.9,	152.5,	-65.4,	127.9,	10	11.9,	264.5,	188.9,	-106.0,
127.9,										
11	11.9,	251.1,	219.6,	-143.3,	123.9,	12	11.9,	230.0,	243.5,	-176.3,
116.2,										
13	11.9,	201.9,	260.1,	-204.0,	105.0,	14	0.0,	0.0,	0.0,	0.0,
0.0,										
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,
0.0,										
17	11.9,	111.5,	267.2,	-257.7,	32.9,	18	11.9,	152.5,	269.9,	-262.9,
10.9,										
19	11.9,	188.9,	264.5,	-260.1,	-11.5,	20	11.9,	219.6,	251.1,	-249.5,
-33.5,										
21	11.9,	243.5,	230.0,	-231.2,	-54.6,	22	11.9,	260.1,	201.9,	-206.0,
-73.9,										
23	11.9,	268.8,	167.7,	-174.4,	-91.0,	24	11.9,	269.3,	128.4,	-137.6,
-105.4,										
25	11.9,	261.6,	85.2,	-96.6,	-116.5,	26	11.9,	267.2,	111.5,	-88.7,
-124.1,										
27	11.9,	269.9,	152.5,	-87.1,	-127.9,	28	11.9,	264.5,	188.9,	-82.9,
-127.9,										
29	11.9,	251.1,	219.6,	-76.2,	-123.9,	30	11.9,	230.0,	243.5,	-67.2,
-116.2,										
31	11.9,	201.9,	260.1,	-56.1,	-105.0,	32	0.0,	0.0,	0.0,	0.0,

0.0,
33 0.0, 0.0, 0.0, 0.0, 0.0, 34 0.0, 0.0, 0.0, 0.0,
0.0,
35 11.9, 111.5, 267.2, -9.5, -32.9, 36 11.9, 152.5, 269.9, -7.0,
-10.9,

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

*** X-COORDINATES OF GRID ***
(METERS)

490903.4, 490928.7, 490954.0, 490979.3, 491004.6, 491029.9, 491055.2,
491080.5, 491105.8, 491131.1,
491156.4, 491181.7, 491207.0, 491232.3, 491257.6, 491282.9, 491308.2,
491333.5, 491358.8, 491384.1,
491409.4,

*** Y-COORDINATES OF GRID ***
(METERS)

3610615.4, 3610624.3, 3610633.3, 3610642.3, 3610651.2, 3610660.2, 3610669.1,
3610678.1, 3610687.1, 3610696.0,
3610705.0, 3610713.9, 3610722.9, 3610731.9, 3610740.8, 3610749.8, 3610758.7,
3610767.7, 3610776.7, 3610785.6,
3610794.6,

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD |

X-COORD (METERS)

(METERS)	490903.38	490928.68	490953.98	490979.28	491004.58
491029.88	491055.18	491080.48	491105.78		

3610794.59	10.20	9.90	9.90	9.90	9.80
9.90	10.00	9.90	10.10		
3610785.63	10.30	9.90	9.90	9.80	9.80
9.80	10.00	9.90	10.10		
3610776.67	10.10	9.70	9.70	9.70	9.70
9.80	9.90	9.90	10.10		
3610767.71	9.70	9.40	9.40	9.50	9.60
9.80	9.90	9.90	10.00		
3610758.75	9.30	9.10	9.10	9.30	9.50
9.70	9.90	9.90	10.00		
3610749.79	9.00	8.90	8.90	9.10	9.40
9.70	9.80	9.90	10.00		
3610740.83	9.00	8.80	8.90	9.10	9.50
9.70	9.80	9.90	10.00		
3610731.87	9.00	8.70	8.90	9.10	9.50
9.60	9.80	9.90	10.00		
3610722.91	9.00	8.70	8.90	9.10	9.50
9.60	9.80	9.90	9.90		
3610713.95	8.90	8.60	8.80	9.10	9.40
9.50	9.80	9.80	9.90		
3610704.99	8.80	8.60	8.80	9.10	9.30
9.50	9.80	9.80	9.90		
3610696.03	8.70	8.50	8.70	9.00	9.20
9.40	9.70	9.80	9.80		
3610687.07	8.70	8.50	8.60	8.90	9.10
9.30	9.70	9.80	9.80		
3610678.11	8.60	8.50	8.50	8.90	9.00
9.30	9.60	9.70	9.80		
3610669.15	8.60	8.50	8.40	8.80	8.90
9.20	9.50	9.60	9.70		
3610660.19	8.60	8.40	8.30	8.80	8.80
9.20	9.40	9.50	9.70		
3610651.23	8.50	8.40	8.30	8.60	8.80
9.10	9.30	9.50	9.60		
3610642.27	8.50	8.50	8.20	8.50	8.70
9.00	9.10	9.40	9.60		
3610633.31	8.40	8.50	8.10	8.40	8.60
9.00	9.00	9.30	9.60		
3610624.35	8.10	8.40	8.00	8.30	8.50
8.90	8.90	9.20	9.50		
3610615.39	7.60	8.10	7.80	8.30	8.50
8.90	8.90	9.10	9.40		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)				
	491131.08	491156.38	491181.68	491206.98	491232.28
491257.58	491282.88	491308.18	491333.48		

3610794.59 |	10.20	10.50	10.80	10.90	11.20
11.50 |	11.70	11.80	11.90		
3610785.63 |	10.20	10.40	10.80	10.90	11.20
11.40 |	11.60	11.80	11.90		
3610776.67 |	10.20	10.40	10.80	10.80	11.10
11.30 |	11.60	11.80	11.90		
3610767.71 |	10.20	10.40	10.70	10.80	11.10
11.30 |	11.50	11.70	11.90		
3610758.75 |	10.20	10.40	10.70	10.70	11.10
11.20 |	11.50	11.60	11.90		
3610749.79 |	10.20	10.30	10.60	10.70	11.10
11.20 |	11.50	11.60	11.90		
3610740.83 |	10.20	10.30	10.60	10.70	11.00
11.10 |	11.40	11.60	11.80		
3610731.87 |	10.10	10.20	10.50	10.70	10.90
11.10 |	11.40	11.60	11.70		
3610722.91 |	10.10	10.20	10.40	10.70	10.90
11.00 |	11.40	11.60	11.60		
3610713.95 |	10.10	10.10	10.40	10.60	10.80
11.00 |	11.30	11.60	11.60		
3610704.99 |	10.00	10.10	10.30	10.50	10.70
11.00 |	11.20	11.60	11.60		
3610696.03 |	10.00	10.10	10.20	10.50	10.60
11.00 |	11.10	11.60	11.60		
3610687.07 |	10.00	10.00	10.10	10.40	10.50
11.00 |	11.00	11.60	11.60		
3610678.11 |	9.90	10.00	10.10	10.30	10.60
11.00 |	11.20	11.50	11.50		
3610669.15 |	9.90	9.90	10.00	10.20	10.70
11.10 |	11.30	11.40	11.40		
3610660.19 |	9.80	9.90	10.00	10.10	10.90
11.10 |	11.40	11.40	11.30		
3610651.23 |	9.80	9.90	10.00	10.10	10.80
11.00 |	11.30	11.30	11.10		

3610642.27	|	9.80	10.00	10.10	10.20	10.80
10.90	|	11.20	11.10	11.00		
3610633.31	|	9.70	10.10	10.20	10.20	10.70
10.80	|	11.10	11.00	10.80		
3610624.35	|	9.70	10.20	10.20	10.20	10.60
10.70		10.90	10.90	10.70		
3610615.39		9.60	10.10	10.20	10.30	10.50
10.60		10.80	10.90	10.70		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)				X-COORD (METERS)
	491358.78	491384.08	491409.38	
3610794.59	|	12.70	13.00	13.00
3610785.63	|	12.70	12.80	12.80
3610776.67	|	12.50	12.60	12.60
3610767.71	|	12.30	12.50	12.40
3610758.75	|	12.00	12.30	12.30
3610749.79	|	11.80	12.20	12.10
3610740.83	|	11.80	12.10	11.90
3610731.87	|	11.80	12.10	11.70
3610722.91	|	11.80	12.00	11.50
3610713.95	|	11.70	11.90	11.40
3610704.99	|	11.60	11.80	11.40
3610696.03	|	11.40	11.80	11.40
3610687.07	|	11.30	11.60	11.30
3610678.11	|	11.20	11.20	11.10
3610669.15	|	11.10	10.80	10.80
3610660.19	|	11.10	10.40	10.60
3610651.23	|	10.90	10.30	10.50
3610642.27	|	10.70	10.30	10.30
3610633.31		10.60	10.20	10.20
3610624.35		10.40	10.10	10.10
3610615.39		10.20	10.00	10.00

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)						X-COORD (METERS)	
		490903.38	490928.68	490953.98	490979.28	491004.58	
491029.88	491055.18	491080.48	491105.78				

3610794.59	|	10.20	9.90	9.90	9.90	9.80	
9.90	|	10.00	9.90	10.10			
3610785.63	|	10.30	9.90	9.90	9.80	9.80	
9.80	|	10.00	9.90	10.10			
3610776.67	|	10.10	9.70	9.70	9.70	9.70	
9.80	|	9.90	9.90	10.10			
3610767.71	|	9.70	9.40	9.40	9.50	9.60	
9.80	|	9.90	9.90	10.00			
3610758.75	|	9.30	9.10	9.10	9.30	9.50	
9.70	|	9.90	9.90	10.00			
3610749.79	|	9.00	8.90	8.90	9.10	9.40	
9.70	|	9.80	9.90	10.00			
3610740.83	|	9.00	8.80	8.90	9.10	9.50	
9.70	|	9.80	9.90	10.00			
3610731.87	|	9.00	8.70	8.90	9.10	9.50	
9.60	|	9.80	9.90	10.00			
3610722.91	|	9.00	8.70	8.90	9.10	9.50	
9.60	|	9.80	9.90	9.90			
3610713.95	|	8.90	8.60	8.80	9.10	9.40	
9.50	|	9.80	9.80	9.90			
3610704.99	|	8.80	8.60	8.80	9.10	9.30	
9.50	|	9.80	9.80	9.90			
3610696.03	|	8.70	8.50	8.70	9.00	9.20	
9.40	|	9.70	9.80	9.80			
3610687.07	|	8.70	8.50	8.60	8.90	9.10	
9.30	|	9.70	9.80	9.80			
3610678.11	|	8.60	8.50	8.50	8.90	9.00	
9.30	|	9.60	9.70	9.80			
3610669.15	|	8.60	8.50	8.40	8.80	8.90	
9.20	|	9.50	9.60	9.70			
3610660.19	|	8.60	8.40	8.30	8.80	8.80	
9.20	|	9.40	9.50	9.70			
3610651.23	|	8.50	8.40	8.30	8.60	8.80	
9.10	|	9.30	9.50	9.60			

3610642.27	|	8.50	8.50	8.20	8.50	8.70
9.00		9.10	9.40	9.60		
3610633.31	|	8.40	8.50	8.10	8.40	8.60
9.00		9.00	9.30	9.60		
3610624.35		8.10	8.40	8.00	8.30	8.50
8.90		8.90	9.20	9.50		
3610615.39		7.60	8.10	7.80	8.30	8.50
8.90		8.90	9.10	9.40		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		491131.08	491156.38	491181.68	491206.98	491232.28
491257.58		491282.88	491308.18	491333.48		

3610794.59	|	10.20	10.50	10.80	10.90	11.20
11.50		11.70	11.80	11.90		
3610785.63	|	10.20	10.40	10.80	10.90	11.20
11.40		11.60	11.80	11.90		
3610776.67	|	10.20	10.40	10.80	10.80	11.10
11.30		11.60	11.80	11.90		
3610767.71	|	10.20	10.40	10.70	10.80	11.10
11.30		11.50	11.70	11.90		
3610758.75	|	10.20	10.40	10.70	10.70	11.10
11.20		11.50	11.60	11.90		
3610749.79	|	10.20	10.30	10.60	10.70	11.10
11.20		11.50	11.60	11.90		
3610740.83	|	10.20	10.30	10.60	10.70	11.00
11.10		11.40	11.60	11.80		
3610731.87	|	10.10	10.20	10.50	10.70	10.90
11.10		11.40	11.60	11.70		
3610722.91	|	10.10	10.20	10.40	10.70	10.90
11.00		11.40	11.60	11.60		
3610713.95	|	10.10	10.10	10.40	10.60	10.80
11.00		11.30	11.60	11.60		
3610704.99	|	10.00	10.10	10.30	10.50	10.70
11.00		11.20	11.60	11.60		
3610696.03	|	10.00	10.10	10.20	10.50	10.60

11.00	11.10	11.60	11.60			
3610687.07	10.00	10.00	10.10	10.40	10.50	
11.00	11.00	11.60	11.60			
3610678.11	9.90	10.00	10.10	10.30	10.60	
11.00	11.20	11.50	11.50			
3610669.15	9.90	9.90	10.00	10.20	10.70	
11.10	11.30	11.40	11.40			
3610660.19	9.80	9.90	10.00	10.10	10.90	
11.10	11.40	11.40	11.30			
3610651.23	9.80	9.90	10.00	10.10	10.80	
11.00	11.30	11.30	11.10			
3610642.27	9.80	10.00	10.10	10.20	10.80	
10.90	11.20	11.10	11.00			
3610633.31	9.70	10.10	10.20	10.20	10.70	
10.80	11.10	11.00	10.80			
3610624.35	9.70	10.20	10.20	10.20	10.60	
10.70	10.90	10.90	10.70			
3610615.39	9.60	10.10	10.20	10.30	10.50	
10.60	10.80	10.90	10.70			

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	491358.78	491384.08	491409.38

3610794.59	12.70	13.00	13.00
3610785.63	12.70	12.80	12.80
3610776.67	12.50	12.60	12.60
3610767.71	12.30	12.50	12.40
3610758.75	12.00	12.30	12.30
3610749.79	11.80	12.20	12.10
3610740.83	11.80	12.10	11.90
3610731.87	11.80	12.10	11.70
3610722.91	11.80	12.00	11.50
3610713.95	11.70	11.90	11.40
3610704.99	11.60	11.80	11.40
3610696.03	11.40	11.80	11.40
3610687.07	11.30	11.60	11.30

3610678.11	11.20	11.20	11.10
3610669.15	11.10	10.80	10.80
3610660.19	11.10	10.40	10.60
3610651.23	10.90	10.30	10.50
3610642.27	10.70	10.30	10.30
3610633.31	10.60	10.20	10.20
3610624.35	10.40	10.10	10.10
3610615.39	10.20	10.00	10.00

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

*** X-COORDINATES OF GRID ***
(METERS)

490964.4, 490985.2, 491006.0, 491026.8, 491047.6, 491068.4, 491089.2,
 491110.0, 491130.8, 491151.6,
 491172.4, 491193.2, 491214.0, 491234.8, 491255.6, 491276.4, 491297.2,
 491318.0, 491338.8, 491359.6,
 491380.4,

*** Y-COORDINATES OF GRID ***
(METERS)

3610333.8, 3610347.0, 3610360.2, 3610373.4, 3610386.6, 3610399.8, 3610413.0,
 3610426.2, 3610439.4, 3610452.6,
 3610465.9, 3610479.1, 3610492.3, 3610505.5, 3610518.7, 3610531.9, 3610545.1,
 3610558.3, 3610571.5, 3610584.7,
 3610598.0,

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD					X-COORD (METERS)	
(METERS)	490964.36	490985.16	491005.96	491026.76	491047.56	
491068.36	491089.16	491109.96	491130.76			

3610597.95	|		8.00	8.40	8.50	8.80	9.00
8.90		9.00	9.20	9.30			
3610584.74	|	8.20	8.30	8.30	8.70	8.90	
8.80		9.00	9.20	9.30			
3610571.53	|	8.30	8.20	8.20	8.50	8.80	
8.80		9.00	9.20	9.20			
3610558.32	|	8.20	8.10	8.20	8.40	8.70	
8.70		8.90	9.00	9.20			
3610545.11	|	8.10	8.00	8.20	8.40	8.50	
8.70		8.70	8.80	9.00			
3610531.90	|	7.90	7.90	8.10	8.30	8.40	
8.60		8.60	8.70	8.90			
3610518.69	|	7.60	7.90	8.00	8.10	8.20	
8.60		8.60	8.60	8.90			
3610505.48	|	7.30	7.80	7.90	7.80	8.10	
8.50		8.50	8.50	8.80			
3610492.27	|	7.60	7.90	7.90	7.80	8.20	
8.50		8.50	8.50	8.70			
3610479.06	|	7.80	8.00	7.80	7.80	8.20	
8.50		8.50	8.50	8.60			
3610465.85	|	7.60	7.70	7.50	7.80	8.10	
8.30		8.40	8.40	8.40			
3610452.64	|	7.20	7.20	7.10	7.70	7.80	
8.10		8.30	8.30	8.20			
3610439.43	|	6.80	6.90	6.90	7.70	7.60	
7.90		8.20	8.30	8.10			
3610426.22	|	6.60	7.10	7.20	7.60	7.50	
7.80		8.20	8.30	8.00			
3610413.01	|	6.50	7.30	7.60	7.60	7.50	
7.70		8.10	8.20	8.00			
3610399.80	|	5.90	7.00	7.70	7.60	7.50	
7.70		8.00	8.10	8.00			
3610386.59	|	5.40	6.70	7.80	7.60	7.50	
7.70		7.90	8.00	8.00			
3610373.38	|	5.00	6.40	7.60	7.50	7.50	
7.70		7.80	7.90	7.90			
3610360.17	|	4.80	6.00	7.20	7.30	7.50	
7.60		7.70	7.80	7.80			
3610346.96	|	4.70	5.70	6.90	7.30	7.60	
7.50		7.60	7.70	7.60			
3610333.75		4.60	5.60	6.90	7.50	7.60	
7.50		7.60	7.70	7.60			

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)						X-COORD (METERS)	
	491151.56	491172.36	491193.16	491213.96	491234.76		
491255.56	491276.36	491297.16	491317.96				

3610597.95 |		9.80	10.10	10.40	10.40	10.40	
10.40	10.60	10.70	10.70				
3610584.74 |		9.60	9.90	10.20	10.20	10.10	
10.30	10.40	10.60	10.70				
3610571.53 |		9.40	9.70	10.00	10.00	9.80	
10.10	10.20	10.50	10.70				
3610558.32 |		9.30	9.50	9.80	9.90	9.60	
10.00	10.10	10.40	10.70				
3610545.11 |		9.10	9.40	9.60	9.70	9.50	
9.80	9.90	10.30	10.50				
3610531.90 |		9.00	9.20	9.50	9.60	9.40	
9.60	9.80	10.10	10.30				
3610518.69 |		8.90	9.10	9.30	9.40	9.40	
9.30	9.50	9.80	10.10				
3610505.48 |		8.80	9.00	9.10	9.20	9.30	
8.90	9.30	9.50	9.80				
3610492.27 |		8.70	8.90	9.00	9.10	9.20	
8.80	9.20	9.40	9.60				
3610479.06 |		8.70	8.90	8.90	9.00	9.10	
8.80	9.10	9.20	9.40				
3610465.85 |		8.60	8.70	8.80	8.80	9.00	
8.80	9.00	9.10	9.30				
3610452.64 |		8.50	8.60	8.70	8.70	8.80	
8.90	9.00	9.00	9.20				
3610439.43 |		8.40	8.50	8.60	8.70	8.70	
8.90	8.90	8.90	9.10				
3610426.22 |		8.30	8.40	8.50	8.60	8.60	
8.90	8.70	8.80	9.00				
3610413.01 |		8.20	8.30	8.50	8.60	8.60	
8.80	8.60	8.70	8.90				
3610399.80 |		8.00	8.20	8.40	8.40	8.40	
8.70	8.50	8.60	8.90				

3610386.59	7.80	8.10	8.20	8.20	8.30
8.50	8.50	8.60	8.90		
3610373.38	7.70	7.90	8.10	8.10	8.30
8.40	8.40	8.50	8.70		
3610360.17	7.60	7.70	7.90	8.10	8.30
8.30	8.40	8.40	8.40		
3610346.96	7.50	7.60	7.70	8.00	8.30
8.20	8.40	8.30	8.30		
3610333.75	7.50	7.40	7.50	7.80	8.10
8.30	8.60	8.50	8.50		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	491338.76	491359.56	491380.36
3610597.95	10.50	9.90	9.70
3610584.74	10.50	9.90	9.70
3610571.53	10.50	9.90	9.70
3610558.32	10.40	10.00	9.80
3610545.11	10.40	10.20	9.90
3610531.90	10.20	10.00	9.90
3610518.69	10.00	8.30	9.20
3610505.48	9.80	6.70	8.60
3610492.27	9.80	7.70	9.10
3610479.06	9.80	8.90	9.60
3610465.85	9.60	9.40	9.90
3610452.64	9.50	9.40	10.00
3610439.43	9.30	9.50	10.10
3610426.22	9.20	9.50	10.40
3610413.01	9.10	9.60	10.80
3610399.80	9.10	9.70	10.40
3610386.59	9.10	9.80	10.10
3610373.38	9.10	9.80	10.00
3610360.17	8.90	9.80	10.00
3610346.96	8.90	9.80	10.00
3610333.75	9.20	9.70	9.90

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)				
	490964.36	490985.16	491005.96	491026.76	491047.56
491068.36	491089.16	491109.96	491130.76		

3610597.95 |	8.00	8.40	8.50	8.80	9.00
8.90	9.00	9.20	9.30		
3610584.74 |	8.20	8.30	8.30	8.70	8.90
8.80	9.00	9.20	9.30		
3610571.53 |	8.30	8.20	8.20	8.50	8.80
8.80	9.00	9.20	9.20		
3610558.32 |	8.20	8.10	8.20	8.40	8.70
8.70	8.90	9.00	9.20		
3610545.11 |	8.10	8.00	8.20	8.40	8.50
8.70	8.70	8.80	9.00		
3610531.90 |	7.90	7.90	8.10	8.30	8.40
8.60	8.60	8.70	8.90		
3610518.69 |	7.60	7.90	8.00	8.10	8.20
8.60	8.60	8.60	8.90		
3610505.48 |	7.30	7.80	7.90	7.80	8.10
8.50	8.50	8.50	8.80		
3610492.27 |	7.60	7.90	7.90	7.80	8.20
8.50	8.50	8.50	8.70		
3610479.06 |	7.80	8.00	7.80	7.80	8.20
8.50	8.50	8.50	8.60		
3610465.85 |	7.60	7.70	7.50	7.80	8.10
8.30	8.40	8.40	8.40		
3610452.64 |	7.20	7.20	7.10	7.70	7.80
8.10	8.30	8.30	8.20		
3610439.43 |	6.80	6.90	6.90	7.70	7.60
7.90	8.20	8.30	8.10		
3610426.22 |	6.60	7.10	7.20	7.60	7.50
7.80	8.20	8.30	8.00		
3610413.01 |	6.50	7.30	7.60	7.60	7.50
7.70	8.10	8.20	8.00		
3610399.80 |	5.90	7.00	7.70	7.60	7.50
7.70	8.00	8.10	8.00		

3610386.59	|	5.40	6.70	7.80	7.60	7.50
7.70		7.90	8.00	8.00		
3610373.38	|	5.00	7.90	7.60	7.50	7.50
7.70		7.80	7.90	7.90		
3610360.17	|	4.80	6.00	7.20	7.30	7.50
7.60		7.70	7.80	7.80		
3610346.96		4.70	5.70	6.90	7.30	7.60
7.50		7.60	7.70	7.60		
3610333.75		4.60	5.60	6.90	7.50	7.60
7.50		7.60	7.70	7.60		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)		X-COORD (METERS)				
		491151.56	491172.36	491193.16	491213.96	491234.76
491255.56		491276.36	491297.16	491317.96		

3610597.95	|	9.80	10.10	10.40	10.40	10.40
10.40		10.60	10.70	10.70		
3610584.74	|	9.60	9.90	10.20	10.20	10.10
10.30		10.40	10.60	10.70		
3610571.53	|	9.40	9.70	10.00	10.00	9.80
10.10		10.20	10.50	10.70		
3610558.32	|	9.30	9.50	9.80	9.90	9.60
10.00		10.10	10.40	10.70		
3610545.11	|	9.10	9.40	9.60	9.70	9.50
9.80		9.90	10.30	10.50		
3610531.90	|	9.00	9.20	9.50	9.60	9.40
9.60		9.80	10.10	10.30		
3610518.69	|	8.90	9.10	9.30	9.40	9.40
9.30		9.50	9.80	10.10		
3610505.48	|	8.80	9.00	9.10	9.20	9.30
8.90		9.30	9.50	9.80		
3610492.27	|	8.70	8.90	9.00	9.10	9.20
8.80		9.20	9.40	9.60		
3610479.06	|	8.70	8.90	8.90	9.00	9.10
8.80		9.10	9.20	9.40		
3610465.85	|	8.60	8.70	8.80	8.80	9.00

8.80	9.00	9.10	9.30				
3610452.64	|	8.50	8.60	8.70	8.70	8.80	
8.90	9.00	9.00	9.20				
3610439.43	|	8.40	8.50	8.60	8.70	8.70	
8.90	8.90	8.90	9.10				
3610426.22	|	8.30	8.40	8.50	8.60	8.60	
8.90	8.70	8.80	9.00				
3610413.01	|	8.20	8.30	8.50	8.60	8.60	
8.80	8.60	8.70	8.90				
3610399.80	|	8.00	8.20	8.40	8.40	8.40	
8.70	8.50	8.60	8.90				
3610386.59	|	7.80	8.10	8.20	8.20	8.30	
8.50	8.50	8.60	8.90				
3610373.38	|	7.70	7.90	8.10	8.10	8.30	
8.40	8.40	8.50	8.70				
3610360.17	|	7.60	7.70	7.90	8.10	8.30	
8.30	8.40	8.40	8.40				
3610346.96		7.50	7.60	7.70	8.00	8.30	
8.20	8.40	8.30	8.30				
3610333.75		7.50	7.40	7.50	7.80	8.10	
8.30	8.60	8.50	8.50				

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)			X-COORD (METERS)
	491338.76	491359.56	491380.36

3610597.95	|	10.50	9.90	9.70
3610584.74	|	10.50	9.90	9.70
3610571.53	|	10.50	9.90	9.70
3610558.32	|	10.40	10.00	9.80
3610545.11	|	10.40	10.20	9.90
3610531.90	|	10.20	10.00	9.90
3610518.69	|	10.00	10.40	9.20
3610505.48	|	10.10	10.40	9.60
3610492.27	|	9.80	7.70	9.10
3610479.06	|	9.80	8.90	9.60
3610465.85	|	9.60	9.40	9.90

3610452.64	9.50	9.40	10.00
3610439.43	9.30	9.50	10.10
3610426.22	9.20	9.50	10.40
3610413.01	9.10	9.60	10.80
3610399.80	9.10	9.70	10.40
3610386.59	9.10	9.80	10.10
3610373.38	9.10	9.80	10.00
3610360.17	8.90	9.80	10.00
3610346.96	8.90	9.80	10.00
3610333.75	9.20	9.70	9.90

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART

*** X-COORDINATES OF GRID ***
(METERS)

491360.3, 491376.9, 491393.5, 491410.2, 491426.8, 491443.4, 491460.0,
 491476.6, 491493.2, 491509.8,
 491526.4, 491543.0, 491559.6, 491576.2, 491592.9, 491609.5, 491626.1,
 491642.7, 491659.3, 491675.9,
 491692.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3609352.2, 3609393.9, 3609435.5, 3609477.1, 3609518.7, 3609560.3, 3609601.9,
 3609643.5, 3609685.1, 3609726.7,
 3609768.4, 3609810.0, 3609851.6, 3609893.2, 3609934.8, 3609976.4, 3610018.0,
 3610059.6, 3610101.2, 3610142.8,
 3610184.5,

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	491360.32	491376.93	491393.54	491410.15	491426.76
491443.37	491459.98	491476.59	491493.20		

3610184.45	8.60	9.00	9.30	9.20	9.40
9.70	10.40	10.90	11.20		
3610142.84	8.20	8.60	8.90	9.20	9.20
9.30	9.70	10.30	11.10		
3610101.23	8.20	8.50	8.90	9.40	9.50
9.40	9.60	10.20	10.90		
3610059.62	8.70	8.70	8.80	9.10	9.30
9.60	9.50	9.70	10.10		
3610018.01	8.80	8.80	8.90	9.10	9.30
9.50	9.80	10.00	10.10		
3609976.40	8.90	8.90	8.90	9.00	9.30
9.60	10.00	10.10	10.20		
3609934.79	9.10	9.10	9.20	9.20	9.40
9.60	9.80	10.00	10.10		
3609893.18	8.60	8.60	8.70	8.90	9.20
9.40	9.70	9.90	10.10		
3609851.57	8.30	8.60	8.90	8.90	9.00
9.20	9.50	9.60	9.70		
3609809.96	8.00	8.50	8.80	8.70	8.80
8.90	9.10	9.20	9.40		
3609768.35	7.70	8.00	8.20	8.40	8.40
8.50	8.80	9.00	9.00		
3609726.74	7.50	7.60	7.80	8.00	8.20
8.30	8.40	8.50	8.70		
3609685.13	7.20	7.30	7.50	7.90	8.00
8.10	8.10	8.20	8.30		
3609643.52	7.30	7.10	7.10	7.50	7.60
7.60	7.80	7.90	8.00		
3609601.91	7.00	7.00	7.10	7.20	7.20
7.30	7.50	7.70	7.90		
3609560.30	6.80	7.00	7.00	7.00	7.20
7.40	7.60	7.80	8.00		
3609518.69	6.70	6.90	7.10	7.30	7.40
7.50	7.70	7.90	8.20		
3609477.08	6.30	6.70	7.00	7.10	7.20
7.40	7.70	7.90	8.10		
3609435.47	6.30	6.40	6.60	6.70	7.00
7.40	7.40	7.60	7.80		
3609393.86	6.20	6.20	6.30	6.50	6.80
7.00	6.90	7.20	7.50		
3609352.25	5.50	5.80	6.10	6.20	6.40

6.70 6.90 7.10 7.20
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)				
	491509.81	491526.42	491543.03	491559.64	491576.25
491592.86	491609.47	491626.08	491642.69		

3610184.45	|		11.10	11.10	11.30	11.70	12.10
12.50	|	12.60	12.70	13.10			
3610142.84	|		10.80	10.80	11.30	11.70	11.90
12.10	|	12.40	12.80	13.10			
3610101.23	|		10.90	11.00	10.90	11.40	11.80
12.10	|	12.30	12.50	12.90			
3610059.62	|		10.80	11.10	11.00	11.30	11.60
11.80	|	12.00	12.30	13.00			
3610018.01	|		10.40	10.80	11.20	11.30	11.50
11.70	|	11.80	12.00	12.60			
3609976.40	|		10.30	10.70	11.20	11.20	11.20
11.40	|	11.60	11.70	11.70			
3609934.79	|		10.30	10.50	10.70	10.80	10.90
11.00	|	11.10	11.20	11.30			
3609893.18	|		10.10	10.20	10.40	10.50	10.60
10.80	|	10.80	10.90	10.90			
3609851.57	|		9.80	9.80	10.00	10.00	10.10
10.20	|	10.50	10.70	10.80			
3609809.96	|		9.50	9.50	9.50	9.50	9.70
9.90	|	10.20	10.50	10.70			
3609768.35	|		9.10	9.10	9.00	9.20	9.50
9.80	|	10.00	10.20	10.70			
3609726.74	|		8.70	8.80	9.00	9.10	9.20
9.50	|	9.80	10.10	10.40			
3609685.13	|		8.30	8.50	8.80	9.00	9.30
9.60	|	9.90	10.10	10.40			
3609643.52	|		8.10	8.40	8.80	9.20	9.40
9.50	|	9.80	10.10	10.40			
3609601.91	|		8.30	8.60	8.80	9.10	9.30
9.40	|	9.70	10.00	10.20			

3609560.30	|	8.20	8.50	8.70	9.00	9.20
9.50	|	9.60	9.80	10.00		
3609518.69	|	8.30	8.40	8.60	9.00	9.20
9.30	|	9.50	9.80	10.10		
3609477.08	|	8.20	8.40	8.70	8.90	9.10
9.10	|	9.30	9.50	9.70		
3609435.47	|	8.20	8.30	8.30	8.50	8.70
9.10	|	9.00	9.00	9.40		
3609393.86		7.90	8.10	8.20	8.30	8.60
9.00		9.20	9.40	9.60		
3609352.25		7.40	7.90	8.40	8.40	8.40
8.80		9.10	9.30	9.30		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	491659.30	491675.91	491692.52	X-COORD (METERS)
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3610184.45		13.20	13.20	13.60
3610142.84		13.20	13.20	13.30
3610101.23		13.10	13.20	13.30
3610059.62	|	13.40	13.50	13.20
3610018.01	|	12.90	13.10	12.90
3609976.40	|	11.70	11.90	12.00
3609934.79	|	11.50	11.60	11.90
3609893.18	|	11.10	11.30	11.40
3609851.57	|	11.00	11.20	11.40
3609809.96	|	10.90	11.10	11.30
3609768.35	|	10.90	11.00	11.20
3609726.74	|	10.70	11.00	11.20
3609685.13	|	10.80	11.20	11.30
3609643.52	|	10.70	10.90	11.20
3609601.91	|	10.40	10.70	10.90
3609560.30	|	10.20	10.40	10.50
3609518.69	|	10.20	10.10	10.50
3609477.08	|	9.90	10.00	10.10
3609435.47		9.70	10.10	9.90
3609393.86		9.80	9.90	10.10

3609352.25 | 9.70 10.20 10.20
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	491360.32	491376.93	491393.54	491410.15	491426.76
491443.37	491459.98	491476.59	491493.20		

3610184.45 |		8.60	9.00	9.30	9.20	9.40
9.70	10.40	10.90	11.20			
3610142.84 |		8.20	8.60	8.90	9.20	9.20
9.30	9.70	10.30	11.10			
3610101.23 |		8.20	8.50	8.90	9.40	9.50
9.40	9.60	10.20	10.90			
3610059.62 |		8.70	8.70	8.80	9.10	9.30
9.60	9.50	9.70	10.10			
3610018.01 |		8.80	8.80	8.90	9.10	9.30
9.50	9.80	10.00	10.10			
3609976.40 |		8.90	8.90	8.90	9.00	9.30
9.60	10.00	10.10	10.20			
3609934.79 |		9.10	9.10	9.20	9.20	9.40
9.60	9.80	10.00	10.10			
3609893.18 |		8.60	8.60	8.70	8.90	9.20
9.40	9.70	9.90	10.10			
3609851.57 |		8.30	8.60	8.90	8.90	9.00
9.20	9.50	9.60	9.70			
3609809.96 |		8.00	8.50	8.80	8.70	8.80
8.90	9.10	9.20	9.40			
3609768.35 |		7.70	8.00	8.20	8.40	8.40
8.50	8.80	9.00	9.00			
3609726.74 |		7.50	7.60	7.80	8.00	8.20
8.30	8.40	8.50	8.70			
3609685.13 |		7.20	7.30	7.50	7.90	8.00
8.10	8.10	8.20	8.30			
3609643.52 |		7.30	7.10	7.10	7.50	7.60
7.60	7.80	7.90	8.00			
3609601.91 |		7.00	7.00	7.10	7.20	7.20
7.30	7.50	7.70	7.90			

3609560.30	6.80	7.00	7.00	7.00	7.20
7.40	7.60	7.80	8.00		
3609518.69	6.70	6.90	7.10	7.30	7.40
7.50	7.70	7.90	8.20		
3609477.08	6.30	6.70	7.00	7.10	7.20
7.40	7.70	7.90	8.10		
3609435.47	6.30	6.40	6.60	6.70	7.00
7.40	7.40	7.60	7.80		
3609393.86	6.20	6.20	6.30	6.50	6.80
7.00	6.90	7.20	7.50		
3609352.25	12.60	5.80	6.10	6.20	6.40
6.70	6.90	7.10	7.20		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)				
	491509.81	491526.42	491543.03	491559.64	491576.25
491592.86	491609.47	491626.08	491642.69		

3610184.45	11.10	11.10	11.30	11.70	12.10
12.50	12.60	12.70	13.10		
3610142.84	10.80	10.80	11.30	11.70	11.90
12.10	12.40	12.80	13.10		
3610101.23	10.90	11.00	10.90	11.40	11.80
12.10	12.30	12.50	12.90		
3610059.62	10.80	11.10	11.00	11.30	11.60
11.80	12.00	12.30	13.00		
3610018.01	10.40	10.80	11.20	11.30	11.50
11.70	11.80	12.00	12.60		
3609976.40	10.30	10.70	11.20	11.20	11.20
11.40	11.60	11.70	11.70		
3609934.79	10.30	10.50	10.70	10.80	10.90
11.00	11.10	11.20	11.30		
3609893.18	10.10	10.20	10.40	10.50	10.60
10.80	10.80	10.90	10.90		
3609851.57	9.80	9.80	10.00	10.00	10.10
10.20	10.50	10.70	10.80		
3609809.96	9.50	9.50	9.50	9.50	9.70

9.90	10.20	10.50	10.70			
3609768.35	|	9.10	9.10	9.00	9.20	9.50
9.80	10.00	10.20	10.70			
3609726.74	|	8.70	8.80	9.00	9.10	9.20
9.50	9.80	10.10	10.40			
3609685.13	|	8.30	8.50	8.80	9.00	9.30
9.60	9.90	10.10	10.40			
3609643.52	|	8.10	8.40	8.80	9.20	9.40
9.50	9.80	10.10	10.40			
3609601.91	|	8.30	8.60	8.80	9.10	9.30
9.40	9.70	10.00	10.20			
3609560.30	|	8.20	8.50	8.70	9.00	9.20
9.50	9.60	9.80	10.00			
3609518.69	|	8.30	8.40	8.60	9.00	9.20
9.30	9.50	9.80	10.10			
3609477.08	|	8.20	8.40	8.70	8.90	9.10
9.10	9.30	9.50	9.70			
3609435.47	|	8.20	8.30	8.30	8.50	8.70
9.10	9.00	9.00	9.40			
3609393.86	|	7.90	8.10	8.20	8.30	8.60
9.00	9.20	9.40	9.60			
3609352.25		7.40	7.90	8.40	8.40	8.40
8.80	9.10	9.30	9.30			

*** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)			X-COORD (METERS)
	491659.30	491675.91	491692.52

3610184.45	|	13.20	13.20	13.60
3610142.84	|	13.20	13.20	13.30
3610101.23	|	13.10	13.20	13.30
3610059.62	|	13.40	13.50	13.20
3610018.01	|	12.90	13.10	12.90
3609976.40	|	11.70	11.90	12.00
3609934.79	|	11.50	11.60	11.90
3609893.18	|	11.10	11.30	11.40
3609851.57	|	11.00	11.20	11.40

3609809.96	10.90	11.10	11.30
3609768.35	10.90	11.00	11.20
3609726.74	10.70	11.00	11.20
3609685.13	10.80	11.20	11.30
3609643.52	10.70	10.90	11.20
3609601.91	10.40	10.70	10.90
3609560.30	10.20	10.40	10.50
3609518.69	10.20	10.10	10.50
3609477.08	9.90	10.00	10.10
3609435.47	9.70	10.10	9.90
3609393.86	9.80	9.90	10.10
3609352.25	9.70	10.20	10.20

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(491164.3, 3610233.7, 7.0, 7.0, 0.0);	(491279.0,
3610288.2, 8.4, 8.4, 0.0);	
(491317.2, 3610288.2, 8.6, 8.6, 0.0);	(491355.4,
3610288.2, 9.1, 9.1, 0.0);	
(491393.6, 3610342.7, 10.1, 10.1, 0.0);	(491431.9,
3610342.7, 10.6, 10.6, 0.0);	
(491470.1, 3610342.7, 10.9, 10.9, 0.0);	(491508.3,
3610342.7, 11.3, 11.3, 0.0);	
(491546.6, 3610342.7, 11.7, 11.7, 0.0);	(491584.8,
3610342.7, 12.7, 12.7, 0.0);	
(491623.0, 3610342.7, 13.1, 13.1, 0.0);	(491508.3,
3610397.2, 12.0, 12.0, 0.0);	
(491546.6, 3610397.2, 12.4, 12.4, 0.0);	(491584.8,
3610397.2, 12.7, 12.7, 0.0);	
(491623.0, 3610397.2, 13.1, 13.1, 0.0);	(491508.3,
3610451.7, 12.1, 12.1, 0.0);	
(491546.6, 3610451.7, 12.5, 12.5, 0.0);	(491584.8,
3610451.7, 12.6, 12.6, 0.0);	
(491623.0, 3610451.7, 13.0, 13.0, 0.0);	(491508.3,
3610506.1, 11.5, 11.5, 0.0);	
(491546.6, 3610506.1, 12.1, 12.1, 0.0);	(491584.8,
3610506.1, 12.3, 12.3, 0.0);	
(491623.0, 3610506.1, 12.8, 12.8, 0.0);	(491508.3,
3610560.6, 11.6, 11.6, 0.0);	
(491546.6, 3610560.6, 12.0, 12.0, 0.0);	(491584.8,
3610560.6, 12.2, 12.2, 0.0);	

(491623.0, 3610560.6, 12.6, 12.6, 0.0); (491087.8,
3610615.1, 9.2, 9.2, 0.0);
(491126.0, 3610615.1, 9.5, 9.5, 0.0); (491508.3,
3610615.1, 12.0, 12.0, 0.0);
(491546.6, 3610615.1, 12.0, 12.0, 0.0); (491584.8,
3610615.1, 12.4, 12.4, 0.0);
(491623.0, 3610615.1, 13.0, 13.0, 0.0); (491087.8,
3610669.6, 9.6, 9.6, 0.0);
(491126.0, 3610669.6, 9.8, 9.8, 0.0); (491508.3,
3610669.6, 12.1, 12.1, 0.0);
(491546.6, 3610669.6, 11.9, 11.9, 0.0); (491584.8,
3610669.6, 12.2, 12.2, 0.0);
(491623.0, 3610669.6, 12.3, 12.3, 0.0); (491546.6,
3610724.1, 12.5, 12.5, 0.0);
(491584.8, 3610724.1, 13.1, 13.1, 0.0); (491623.0,
3610724.1, 13.4, 13.4, 0.0);
(491546.6, 3610778.5, 12.4, 12.4, 0.0); (491584.8,
3610778.5, 12.5, 12.5, 0.0);
(491623.0, 3610778.5, 13.7, 13.7, 0.0); (490934.9,
3610833.0, 10.2, 10.2, 0.0);
(490973.1, 3610833.0, 10.1, 10.1, 0.0); (491011.3,
3610833.0, 10.2, 10.2, 0.0);
(491049.6, 3610833.0, 10.4, 10.4, 0.0); (491087.8,
3610833.0, 10.2, 10.2, 0.0);
(491126.0, 3610833.0, 10.4, 10.4, 0.0); (491164.3,
3610833.0, 10.7, 10.7, 0.0);
(491202.5, 3610833.0, 11.1, 11.1, 0.0); (491240.7,
3610833.0, 11.4, 11.4, 0.0);
(491279.0, 3610833.0, 11.8, 11.8, 0.0); (491317.2,
3610833.0, 11.9, 11.9, 0.0);
(491355.4, 3610833.0, 12.4, 12.4, 0.0); (491393.6,
3610833.0, 12.9, 12.9, 0.0);
(491431.9, 3610833.0, 13.0, 13.0, 0.0); (491470.1,
3610833.0, 12.9, 12.9, 0.0);
(491508.3, 3610833.0, 13.4, 13.4, 0.0); (491546.6,
3610833.0, 13.4, 13.4, 0.0);
(491584.8, 3610833.0, 12.9, 12.9, 0.0); (491623.0,
3610833.0, 13.6, 13.6, 0.0);
(490934.9, 3610887.5, 10.7, 10.7, 0.0); (490973.1,
3610887.5, 10.6, 10.6, 0.0);
(491011.3, 3610887.5, 10.6, 10.6, 0.0); (491049.6,
3610887.5, 10.8, 10.8, 0.0);
(491087.8, 3610887.5, 11.0, 11.0, 0.0); (491126.0,
3610887.5, 10.5, 10.5, 0.0);
(491164.3, 3610887.5, 10.8, 10.8, 0.0); (491202.5,
3610887.5, 11.3, 11.3, 0.0);
(491240.7, 3610887.5, 11.8, 11.8, 0.0); (491279.0,
3610887.5, 12.1, 12.1, 0.0);
(491317.2, 3610887.5, 12.3, 12.3, 0.0); (491355.4,
3610887.5, 12.7, 12.7, 0.0);

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( 491393.6, 3610887.5, 13.3, 13.3, 0.0); ( 491431.9,
3610887.5, 13.1, 13.1, 0.0);
( 491470.1, 3610887.5, 13.5, 13.5, 0.0); ( 491508.3,
3610887.5, 13.7, 13.7, 0.0);
( 491546.6, 3610887.5, 14.0, 14.0, 0.0); ( 491584.8,
3610887.5, 14.1, 14.1, 0.0);
( 491623.0, 3610887.5, 14.2, 14.2, 0.0); ( 490858.4,
3610942.0, 10.8, 10.8, 0.0);
( 490896.7, 3610942.0, 11.1, 11.1, 0.0); ( 490934.9,
3610942.0, 11.4, 11.4, 0.0);
( 490973.1, 3610942.0, 11.5, 11.5, 0.0); ( 491011.3,
3610942.0, 11.5, 11.5, 0.0);
( 491049.6, 3610942.0, 10.9, 10.9, 0.0); ( 491087.8,
3610942.0, 10.7, 10.7, 0.0);

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^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 491126.0, 3610942.0, 10.7, 10.7, 0.0); ( 491164.3,
3610942.0, 11.0, 11.0, 0.0);
( 491202.5, 3610942.0, 11.5, 11.5, 0.0); ( 491240.7,
3610942.0, 12.6, 12.6, 0.0);
( 491279.0, 3610942.0, 12.5, 12.5, 0.0); ( 491317.2,
3610942.0, 12.6, 12.6, 0.0);
( 491355.4, 3610942.0, 12.7, 12.7, 0.0); ( 491393.6,
3610942.0, 13.1, 13.1, 0.0);
( 491431.9, 3610942.0, 13.4, 13.4, 0.0); ( 491470.1,
3610942.0, 13.9, 13.9, 0.0);
( 491508.3, 3610942.0, 14.2, 14.2, 0.0); ( 491546.6,
3610942.0, 14.2, 14.2, 0.0);
( 491584.8, 3610942.0, 14.4, 14.4, 0.0); ( 491623.0,
3610942.0, 14.5, 14.5, 0.0);
( 490858.4, 3610996.5, 11.1, 11.1, 0.0); ( 490896.7,
3610996.5, 11.5, 11.5, 0.0);
( 490934.9, 3610996.5, 11.8, 11.8, 0.0); ( 490973.1,
3610996.5, 12.4, 12.4, 0.0);
( 491011.3, 3610996.5, 11.5, 11.5, 0.0); ( 491049.6,
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( 491087.8, 3610996.5, 10.8, 10.8, 0.0); ( 491126.0,
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( 491164.3, 3610996.5, 11.4, 11.4, 0.0); ( 491202.5,
3610996.5, 12.1, 12.1, 0.0);

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(491240.7, 3610996.5, 12.6, 12.6, 0.0); (491279.0,
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 (491317.2, 3610996.5, 12.8, 12.8, 0.0); (491355.4,
 3610996.5, 13.0, 13.0, 0.0);
 (491393.6, 3610996.5, 13.4, 13.4, 0.0); (491431.9,
 3610996.5, 13.9, 13.9, 0.0);
 (491470.1, 3610996.5, 14.1, 14.1, 0.0); (491508.3,
 3610996.5, 14.6, 14.6, 0.0);
 (491546.6, 3610996.5, 14.4, 14.4, 0.0); (491584.8,
 3610996.5, 14.8, 14.8, 0.0);
 (491623.0, 3610996.5, 14.6, 14.6, 0.0); (490858.4,
 3611050.9, 11.8, 11.8, 0.0);
 (490896.7, 3611050.9, 12.6, 12.6, 0.0); (490934.9,
 3611050.9, 12.7, 12.7, 0.0);
 (490973.1, 3611050.9, 12.4, 12.4, 0.0); (491011.3,
 3611050.9, 12.5, 12.5, 0.0);
 (491049.6, 3611050.9, 11.6, 11.6, 0.0); (491087.8,
 3611050.9, 11.1, 11.1, 0.0);
 (491126.0, 3611050.9, 11.2, 11.2, 0.0); (491164.3,
 3611050.9, 11.8, 11.8, 0.0);
 (491202.5, 3611050.9, 12.1, 12.1, 0.0); (491240.7,
 3611050.9, 12.3, 12.3, 0.0);
 (491279.0, 3611050.9, 13.0, 13.0, 0.0); (491317.2,
 3611050.9, 13.4, 13.4, 0.0);
 (491355.4, 3611050.9, 13.6, 13.6, 0.0); (491393.6,
 3611050.9, 13.8, 13.8, 0.0);
 (491431.9, 3611050.9, 14.1, 14.1, 0.0); (491470.1,
 3611050.9, 14.8, 14.8, 0.0);
 (491508.3, 3611050.9, 14.9, 14.9, 0.0); (491546.6,
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 (491584.8, 3611050.9, 15.0, 15.0, 0.0); (491623.0,
 3611050.9, 15.2, 15.2, 0.0);
 (490858.4, 3611105.4, 12.1, 12.1, 0.0); (490896.7,
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 (490934.9, 3611105.4, 12.8, 12.8, 0.0); (490973.1,
 3611105.4, 13.0, 13.0, 0.0);
 (491011.3, 3611105.4, 12.7, 12.7, 0.0); (491049.6,
 3611105.4, 11.3, 11.3, 0.0);
 (491087.8, 3611105.4, 11.4, 11.4, 0.0); (491126.0,
 3611105.4, 11.6, 11.6, 0.0);
 (491164.3, 3611105.4, 11.7, 11.7, 0.0); (491202.5,
 3611105.4, 12.0, 12.0, 0.0);
 (491240.7, 3611105.4, 12.3, 12.3, 0.0); (491279.0,
 3611105.4, 12.9, 12.9, 0.0);
 (491317.2, 3611105.4, 13.5, 13.5, 0.0); (491355.4,
 3611105.4, 13.8, 13.8, 0.0);
 (491393.6, 3611105.4, 14.2, 14.2, 0.0); (491431.9,
 3611105.4, 14.8, 14.8, 0.0);
 (491470.1, 3611105.4, 14.9, 14.9, 0.0); (491508.3,
 3611105.4, 15.7, 15.7, 0.0);

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( 491546.6, 3611105.4, 15.6, 15.6, 0.0); ( 491584.8,
3611105.4, 15.4, 15.4, 0.0);
( 491623.0, 3611105.4, 15.9, 15.9, 0.0); ( 490858.4,
3611159.9, 12.3, 12.3, 0.0);
( 490896.7, 3611159.9, 12.7, 12.7, 0.0); ( 490934.9,
3611159.9, 13.0, 13.0, 0.0);
( 490973.1, 3611159.9, 12.9, 12.9, 0.0); ( 491011.3,
3611159.9, 12.4, 12.4, 0.0);
( 491049.6, 3611159.9, 11.7, 11.7, 0.0); ( 491087.8,
3611159.9, 11.8, 11.8, 0.0);
( 491126.0, 3611159.9, 11.8, 11.8, 0.0); ( 491164.3,
3611159.9, 11.9, 11.9, 0.0);
( 491202.5, 3611159.9, 12.5, 12.5, 0.0); ( 491240.7,
3611159.9, 13.0, 13.0, 0.0);
( 491279.0, 3611159.9, 13.3, 13.3, 0.0); ( 491317.2,
3611159.9, 13.7, 13.7, 0.0);

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^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 491355.4, 3611159.9, 14.2, 14.2, 0.0); ( 491393.6,
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( 491431.9, 3611159.9, 15.1, 15.1, 0.0); ( 491470.1,
3611159.9, 15.7, 15.7, 0.0);
( 491508.3, 3611159.9, 16.1, 16.1, 0.0); ( 491546.6,
3611159.9, 16.0, 16.0, 0.0);
( 491584.8, 3611159.9, 16.1, 16.1, 0.0); ( 491623.0,
3611159.9, 16.6, 16.6, 0.0);
( 490858.4, 3611214.4, 12.7, 12.7, 0.0); ( 490896.7,
3611214.4, 13.2, 13.2, 0.0);
( 490934.9, 3611214.4, 13.2, 13.2, 0.0); ( 490973.1,
3611214.4, 13.2, 13.2, 0.0);
( 491011.3, 3611214.4, 12.1, 12.1, 0.0); ( 491049.6,
3611214.4, 12.1, 12.1, 0.0);
( 491087.8, 3611214.4, 12.0, 12.0, 0.0); ( 491126.0,
3611214.4, 11.9, 11.9, 0.0);
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3611214.4, 12.9, 12.9, 0.0);
( 491240.7, 3611214.4, 13.3, 13.3, 0.0); ( 491279.0,
3611214.4, 14.0, 14.0, 0.0);
( 491317.2, 3611214.4, 14.2, 14.2, 0.0); ( 491355.4,
3611214.4, 14.9, 14.9, 0.0);

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(491126.0, 3611268.9, 12.3, 12.3, 0.0); (491164.3,
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( 491478.9, 3609048.9, 6.8, 6.8, 0.0); ( 491470.9,
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```

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^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELPTS: RegDFault CONC ELEV RURAL SigA Data

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

```

( 491461.8, 3609094.1, 7.1, 7.1, 0.0); ( 491450.8,
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( 491439.7, 3609164.5, 7.0, 7.0, 0.0); ( 491434.7,
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```

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 491316.3, 3610102.6, 8.3, 8.3, 0.0); ( 491271.2,
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( 491310.7, 3609805.0, 7.8, 7.8, 0.0); ( 492077.2,
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```

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
 BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
 FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
- - -			
-8.36	L0000340	491164.3	3610233.7
-1.32	L0000341	491164.3	3610233.7
-0.50	L0000356	491317.2	3610288.2
-5.76	L0000357	491317.2	3610288.2
0.46	L0000360	491355.4	3610288.2
-0.63	L0000361	491355.4	3610288.2
-0.14	L0000373	491470.1	3610342.7
-1.16	L0000374	491470.1	3610342.7
-4.22	L0000377	491508.3	3610342.7
-1.96	L0000378	491508.3	3610342.7

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** METEOROLOGICAL DAYS SELECTED FOR

Name: SAN_DIEGO/LINDBERGH_FIELD

Name: UNKNOWN

Year: 2010

Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
10	01	01	1	01	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98	
1.00	0.89	48.	10.0	283.1	10.0									
10	01	01	1	02	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98	
1.00	0.89	62.	10.0	283.1	10.0									
10	01	01	1	03	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98	
1.00	0.89	45.	10.0	282.5	10.0									
10	01	01	1	04	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98	
1.00	0.89	79.	10.0	281.9	10.0									
10	01	01	1	05	-0.2	0.015	-9.000	-9.000	-999.	4.	1.3	0.03	0.98	
1.00	0.44	356.	10.0	280.8	10.0									
10	01	01	1	06	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98	
1.00	0.89	45.	10.0	280.8	10.0									
10	01	01	1	07	-0.8	0.031	-9.000	-9.000	-999.	13.	3.3	0.03	0.98	
1.00	0.89	47.	10.0	281.9	10.0									
10	01	01	1	08	-0.6	0.030	-9.000	-9.000	-999.	13.	4.3	0.03	0.98	
0.49	0.89	78.	10.0	282.5	10.0									
10	01	01	1	09	19.1	0.086	0.293	0.014	47.	61.	-3.1	0.03	0.98	
0.30	0.89	24.	10.0	286.4	10.0									
10	01	01	1	10	60.3	0.098	0.561	0.010	106.	73.	-1.4	0.03	0.98	
0.23	0.89	351.	10.0	288.1	10.0									
10	01	01	1	11	59.0	0.158	0.715	0.009	224.	150.	-6.0	0.03	0.98	
0.21	1.78	311.	10.0	290.8	10.0									
10	01	01	1	12	67.1	0.189	0.858	0.008	341.	197.	-9.1	0.03	0.98	
0.20	2.23	313.	10.0	292.5	10.0									
10	01	01	1	13	66.4	0.159	0.922	0.008	427.	153.	-5.5	0.03	0.98	
0.20	1.78	305.	10.0	293.6	10.0									
10	01	01	1	14	57.3	0.187	0.919	0.008	490.	193.	-10.2	0.03	0.98	
0.21	2.23	278.	10.0	294.8	10.0									
10	01	01	1	15	38.8	0.237	0.827	0.008	526.	277.	-31.0	0.03	0.98	
0.24	3.12	289.	10.0	293.1	10.0									
10	01	01	1	16	20.7	0.173	0.678	0.008	543.	174.	-22.7	0.03	0.98	
0.33	2.23	296.	10.0	291.4	10.0									
10	01	01	1	17	-1.5	0.046	-9.000	-9.000	-999.	46.	5.7	0.03	0.98	
0.60	1.34	337.	10.0	291.4	10.0									
10	01	01	1	18	-1.6	0.046	-9.000	-9.000	-999.	23.	5.4	0.03	0.98	
1.00	1.34	337.	10.0	290.3	10.0									
10	01	01	1	19	-0.2	0.015	-9.000	-9.000	-999.	5.	1.8	0.03	0.98	
1.00	0.44	252.	10.0	288.6	10.0									
10	01	01	1	20	-0.2	0.015	-9.000	-9.000	-999.	4.	1.8	0.03	0.98	
1.00	0.44	113.	10.0	287.5	10.0									
10	01	01	1	21	-0.8	0.030	-9.000	-9.000	-999.	13.	3.3	0.03	0.98	

```

1.00  0.89 122.  10.0 286.9  10.0
 10 01 01  1 22  -2.1 0.046 -9.000 -9.000 -999.  23.    4.0 0.03  0.98
1.00  1.34  99.  10.0 286.4  10.0
 10 01 01  1 23  -1.0 0.030 -9.000 -9.000 -999.  13.    2.6 0.03  0.98
1.00  0.89 331.  10.0 285.3  10.0
 10 01 01  1 24  -1.0 0.031 -9.000 -9.000 -999.  13.    2.6 0.03  0.98
1.00  0.89  40.  10.0 285.3  10.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
10 01 01 01  10.0 1   48.    0.89  283.2  30.0 -99.00  0.41

```

F indicates top of profile (=1) or below (=0)

```

^ *** AERMOD - VERSION 22112 ***    *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***    ***
***                                ***    06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: YRDTRK ***

```

INCLUDING SOURCE(S):  L0001542  , L0001543
, L0001544  , L0001545  , L0001546  ,
, L0001547  , L0001548  , L0001549  , L0001550  , L0001551
, L0001552  , L0001553  , L0001554  ,
, L0001555  , L0001556  , L0001557  , L0001558  , L0001559
, L0001560  , L0001561  , L0001562  ,
, L0001563  , L0001564  , L0001565  , L0001566  , L0001567
, L0001568  , L0001569  , . . . ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

```

Y-COORD | X-COORD (METERS)
(METERS) | 490903.38 490928.68 490953.98 490979.28 491004.58
491029.88 491055.18 491080.48 491105.78

```

```

3610794.59 | 17.48315 18.48532 18.05872 17.63330 17.54622
16.81545 15.98506 16.04792 14.90912
3610785.63 | 17.64480 18.85822 18.41190 18.32452 17.87299
17.43687 16.27201 16.32852 15.16879
3610776.67 | 18.40483 21.01638 20.47508 19.93249 19.39183

```

17.75938	17.02143	16.61807	15.43685		
3610767.71	|	22.02796	24.11666	23.46974	22.22626 20.25036
18.09289	17.33455	16.91708	16.11673		
3610758.75	|	25.62676	25.25822	24.55721	23.56971 22.02036
19.57330	17.65822	17.22615	16.40822		
3610749.79	|	26.70903	26.12547	25.37671	24.34685 23.05635
19.94768	18.30530	17.54603	16.71042		
3610740.83	|	27.33129	26.86698	25.92676	24.85524 22.90541
20.33525	18.65640	17.87759	17.02433		
3610731.87	|	27.97867	27.63652	26.49774	25.38225 23.37117
21.23043	19.02026	18.22183	17.35109		
3610722.91	|	28.65288	28.27919	27.09096	25.92886 23.85340
21.65430	19.39784	18.57988	18.11367		
3610713.95	|	29.53329	29.10893	27.86629	26.49608 25.00927
23.55257	19.79026	19.25799	18.47265		
3610704.99	|	30.45108	29.81065	28.51194	27.08495 25.85658
24.03512	20.19884	19.64956	18.84730		
3610696.03	|	31.40886	31.76477	29.34755	27.86046 26.57698
25.19033	21.79578	20.05823	19.52060		
3610687.07	|	32.22711	32.54674	30.21606	28.66473 27.32288
26.03917	22.25590	20.48528	19.92954		
3610678.11	|	33.27173	33.36302	32.12192	29.33351 28.09603
26.60090	23.24660	22.03840	20.35639		
3610669.15	|	34.17635	34.21577	33.20916	30.19908 28.89861
27.34997	25.24592	22.99898	21.82908		
3610660.19	|	35.12620	35.43687	34.19233	30.92826 29.73307
27.96567	26.46435	24.91238	22.29824		
3610651.23	|	37.53849	36.37663	35.05445	32.03500 30.43782
28.77768	27.38630	25.45896	23.24395		
3610642.27	|	38.60949	37.01656	36.11960	33.96662 31.34449
29.62484	28.34051	26.66426	23.75149		
3610633.31	|	40.11094	38.04002	37.23033	35.12354 32.29224
30.33973	29.16410	27.58078	24.27426		
3610624.35	|	41.89436	39.47245	38.39057	36.18899 34.15098
31.26114	30.01825	28.36671	26.19277		
3610615.39		45.51616	41.17973	40.17354	37.13585 35.01203
32.04706	30.73888	29.17546	27.38325		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
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 L0001547 , L0001548 , L0001549 , L0001550 , L0001551

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 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
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 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491257.58	491131.08	491156.38	491181.68	491206.98 491232.28

3610794.59	14.48140	13.82518	13.19994	12.83469	12.26786
11.73482	11.34041	11.07126	10.81418		
3610785.63	14.72836	14.18062	13.41907	13.04759	12.47297
12.04295	11.63925	11.25761	10.99339		
3610776.67	14.98354	14.42272	13.64709	13.38657	12.80130
12.36204	11.83978	11.44943	11.17687		
3610767.71	15.24776	14.67424	14.00831	13.62031	13.02631
12.57965	12.15670	11.75279	11.36432		
3610758.75	15.52197	14.93616	14.25850	13.98417	13.26062
12.91919	12.37176	12.06384	11.55550		
3610749.79	15.80724	15.34033	14.64674	14.24076	13.50413
13.15405	12.59267	12.27337	11.75020		
3610740.83	16.10473	15.62804	14.92203	14.50813	13.87774
13.51300	12.93360	12.48711	12.05572		
3610731.87	16.55634	16.06332	15.33977	14.78617	14.26307
13.76363	13.16686	12.70487	12.36733		
3610722.91	16.88404	16.38026	15.77336	15.07460	14.53645
14.14038	13.40491	12.92652	12.68495		
3610713.95	17.22727	16.84943	16.08981	15.50219	14.94275
14.40514	13.76698	13.15202	12.89793		
3610704.99	17.98068	17.19739	16.55325	15.94257	15.35938
14.67549	14.13622	13.38138	13.11440		
3610696.03	18.35628	17.55967	17.03172	16.26376	15.78586
14.95120	14.51256	13.61463	13.33442		
3610687.07	18.74796	18.29118	17.52459	16.72701	16.22177
15.23215	14.89596	13.85182	13.55803		
3610678.11	19.54383	18.67893	17.89291	17.20141	16.40819
15.51825	14.91550	14.21564	13.90233		
3610669.15	19.96591	19.43046	18.59237	17.68660	16.59537
15.67756	15.05652	14.58630	14.25269		
3610660.19	20.66419	19.84275	18.97985	18.18217	16.64478
15.97186	15.19710	14.83907	14.60884		

3610704.99	12.85085	12.38438	12.53377
3610696.03	13.27578	12.57822	12.72218
3610687.07	13.59859	12.98782	13.01206
3610678.11	13.92640	13.61224	13.40365
3610669.15	14.25907	14.23230	13.89313
3610660.19	14.48647	14.84210	14.28540
3610651.23	14.93743	15.16093	14.58433
3610642.27	15.39016	15.38603	14.97541
3610633.31	15.73667	15.70756	15.27388
3610624.35	16.19066	16.02894	15.57110
3610615.39	16.64263	16.42769	15.93917

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
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 , L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)					
	490964.36	490985.16	491005.96	491026.76	491047.56	
491068.36	491089.16	491109.96	491130.76			

3610597.95	40.80520	38.50258	36.71116	34.04081	32.46581
31.47839	30.19784	28.81805	27.65976		
3610584.74	42.19722	40.28035	38.65407	35.56185	33.85680
32.75414	31.19938	29.72185	28.48088		
3610571.53	43.88122	42.17965	40.38878	38.05929	35.30560
33.90166	32.22857	30.64654	29.47915		
3610558.32	46.10686	44.19877	42.03503	39.81998	36.80643
35.25884	33.45654	31.92939	30.33295		

3610545.11	|	48.48388	46.33203	43.75697	41.34061	39.15805
36.47033		34.88158	33.22923	31.52502		
3610531.90	|	51.21269	48.56905	45.73812	43.09777	40.82188
37.88555		36.15319	34.37537	32.56162		
3610518.69	|	55.28229	50.69716	47.77864	45.08322	42.59422
39.13192		37.26004	35.52452	33.43260		
3610505.48	|	58.38657	53.39275	49.86003	47.53204	44.19822
41.09351		39.02093	37.11188	34.45695		
3610492.27	|	60.41920	55.09951	51.76261	49.17589	45.42920
42.31524		40.09466	38.06001	35.46031		
3610479.06	|	61.95926	57.09044	54.12981	50.79888	46.81664
43.50900		41.13890	38.97783	36.43318		
3610465.85	|	65.66195	60.69693	57.11846	52.38354	48.36260
45.13613		42.40160	40.09594	37.99326		
3610452.64	|	69.10005	63.98263	59.64462	54.50433	50.46523
46.63172		43.54702	41.10289	39.03711		
3610439.43	|	72.39252	66.62285	61.73693	55.97591	52.54866
48.06470		44.63963	41.88611	39.87103		
3610426.22	|	75.19419	68.29340	62.92192	57.67240	53.90997
49.45082		45.48645	42.60638	40.64554		
3610413.01	|	77.69411	69.79500	63.70049	58.97774	55.01431
50.91031		46.44293	43.43254	41.20199		
3610399.80	|	80.68609	72.14187	64.80103	60.17058	56.01593
51.74604		47.31146	44.17853	41.68534		
3610386.59	|	83.14851	74.25991	65.40660	61.22757	56.89438
52.47089		48.07919	44.83538	42.09043		
3610373.38	|	85.13216	76.05877	67.50643	62.32924	57.62976
53.07004		48.92593	45.39574	42.57028		
3610360.17	|	86.54469	77.79725	69.25544	63.43903	58.20624
53.79507		49.83130	46.03857	43.13880		
3610346.96	|	87.56802	79.00800	70.49101	63.96209	58.42209
54.29206		50.33140	46.75394	44.00183		
3610333.75		88.15934	79.68315	70.91284	63.87561	58.65323
54.46827		50.46577	46.85617	44.08264		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
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, L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491255.56	491151.56	491172.36	491193.16	491213.96	491234.76

3610597.95	23.42426	21.85802	20.79241	20.24399	19.71390
19.20239	18.44164	17.84626	17.40071		
3610584.74	25.36734	23.20331	21.74703	21.13736	20.69502
19.84880	19.17891	18.40701	17.79601		
3610571.53	27.92543	24.86263	22.86153	22.17533	21.98699
20.63833	19.91614	18.96461	18.18224		
3610558.32	28.99307	27.06719	24.05302	23.06589	23.39777
21.40205	20.51485	19.51421	18.55521		
3610545.11	30.08751	28.30290	25.69548	24.48249	24.80973
22.35793	21.45432	20.05105	19.17819		
3610531.90	31.02859	29.44869	27.35655	25.38967	25.74907
23.62774	22.08539	20.70396	19.78159		
3610518.69	31.96489	30.29719	28.74283	27.32210	26.25084
25.46784	23.93811	21.72894	20.36205		
3610505.48	32.88726	31.12950	29.64436	28.26149	26.97031
26.39399	24.88193	23.40715	21.29886		
3610492.27	33.78627	31.93688	30.36971	28.91348	27.55705
26.92017	25.35885	24.04707	22.23427		
3610479.06	34.49581	32.55619	31.06200	29.53296	28.11238
27.29646	25.80771	24.64892	23.38132		
3610465.85	35.32395	33.44669	31.71602	30.25585	28.63363
27.63932	26.22721	25.02787	23.79434		
3610452.64	36.48814	34.13780	32.32796	30.79868	29.25271
27.82159	26.49430	25.37892	24.11314		
3610439.43	37.27843	35.14592	32.89512	31.16243	29.69908
28.09280	26.85280	25.70097	24.40544		
3610426.22	37.95846	35.79427	33.76725	31.62198	30.10626
28.32772	27.29791	25.99289	24.67036		
3610413.01	38.57820	36.33657	34.10162	31.89786	30.34239
28.65679	27.58862	26.25392	24.90736		
3610399.80	39.28038	36.82122	34.57966	32.80242	31.17441
28.94820	28.14731	26.48432	25.00522		
3610386.59	40.06758	37.24539	35.09222	33.26061	31.46509
29.65560	28.26498	26.57365	25.07710		
3610373.38	40.78908	37.74313	35.41022	33.53980	31.59209

29.92496	28.50802	27.05412	25.34883		
3610360.17	41.19695	38.63310	35.80114	33.64738	31.67931
30.11441	28.56657	27.25033	26.03502		
3610346.96	41.46324	38.93242	36.58433	33.83368	31.72782
30.26883	28.59667	27.37932	26.15269		
3610333.75	41.52694	39.22140	36.91569	34.24367	31.98286
30.15974	27.96706	27.11981	25.90503		

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 *** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
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*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

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Y-COORD (METERS)	X-COORD (METERS)		
	491338.76	491359.56	491380.36

3610597.95	17.20316	17.57289	17.60397
3610584.74	17.57196	17.92305	17.92321
3610571.53	17.92999	18.26283	18.23234
3610558.32	18.39553	18.39616	18.18222
3610545.11	18.72368	18.39155	18.32054
3610531.90	19.27790	18.98766	18.58141
3610518.69	19.90450	22.17133	20.50569
3610505.48	20.53199	23.83066	21.19980
3610492.27	20.81250	23.50293	21.02243
3610479.06	21.03882	22.20775	20.13601
3610465.85	21.87469	21.82873	19.56720
3610452.64	22.59336	21.98638	19.47963
3610439.43	23.19631	21.86286	19.35534

3610426.22	23.43766	21.97433	19.04885
3610413.01	23.65378	21.55652	18.55531
3610399.80	23.73484	21.39278	19.11123
3610386.59	23.79295	20.95807	19.50130
3610373.38	23.83015	20.95766	19.72860
3610360.17	24.07126	20.94004	19.70620
3610346.96	24.07370	20.90804	19.67235
3610333.75	23.71962	21.35654	19.86636

^ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
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 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

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Y-COORD (METERS)	X-COORD (METERS)			
491443.37	491360.32	491376.93	491393.54	491410.15 491426.76
	491459.98	491476.59	491493.20	

3610184.45	22.42768	21.36008	20.42755	19.93013	19.11448
17.60352	15.87057	14.92069	14.22394		
3610142.84	22.62206	21.28447	20.40745	19.56064	19.02279
18.42036	16.85648	15.31022	14.10650		
3610101.23	21.97500	21.08027	19.87422	18.83327	18.08190
17.87453	16.67790	15.05177	14.00306		
3610059.62	20.42874	19.90724	19.32077	18.58570	17.95839
16.58637	16.72356	15.64726	14.38217		
3610018.01	19.51348	19.04984	18.51909	17.92363	17.34704
16.55277	15.01147	14.35881	13.87900		
3609976.40	18.56632	18.15323	17.75450	17.28992	16.68056

15.33537	14.01424	13.55542	13.22542			
3609934.79	|	17.54686	17.17543	16.73644	16.39467	15.83906
14.64787	13.71953	13.13889	12.72358			
3609893.18	|	17.15927	16.79748	16.37941	15.90690	15.37701
14.86783	13.52106	12.71909	12.12874			
3609851.57	|	17.10203	16.10022	15.55732	15.24699	14.88049
14.45977	13.71641	12.89867	12.49611			
3609809.96	|	16.62860	15.92045	15.02353	14.79183	14.43801
14.09793	13.70700	13.39386	12.96605			
3609768.35	|	16.67448	15.67111	15.24883	14.83638	14.54747
14.16362	13.39614	13.03272	12.79931			
3609726.74	|	16.22434	15.86357	15.06929	14.51195	14.13975
13.82676	13.52185	13.17904	12.53101			
3609685.13	|	15.73376	15.40519	15.04275	14.02428	13.72850
13.43917	13.20300	12.92620	12.65576			
3609643.52	|	15.09587	14.90417	14.64340	14.24468	13.95930
13.71727	13.03883	12.61619	12.36477			
3609601.91	|	14.63226	14.38640	14.11279	13.84400	13.61304
13.35440	13.06710	12.71688	11.98813			
3609560.30	|	14.15638	13.86758	13.64319	13.42259	13.14598
12.87215	12.60133	11.97026	11.54595			
3609518.69	|	13.67646	13.40919	13.14274	12.87739	12.64565
12.41748	12.09055	11.37533	11.08962			
3609477.08	|	13.28830	12.99724	12.72534	12.50824	12.29304
12.05072	11.70840	11.01599	10.77932			
3609435.47	|	12.82111	12.61764	12.39484	12.19634	11.94971
11.67119	11.50327	11.28016	10.72051			
3609393.86	|	12.39531	12.22408	12.03818	11.83522	11.61021
11.40623	11.27413	11.04752	10.81729			
3609352.25		12.07000	11.87653	11.66997	11.49935	11.31376
11.10854	10.92257	10.73592	10.57216			

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRTRK ***
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 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
	491509.81	491526.42	491543.03	491559.64	491576.25
491592.86	491609.47	491626.08	491642.69		

3610184.45	13.99160	13.66130	13.14191	12.44255	11.77044
11.12545	10.79721	10.48243	9.90757		
3610142.84	14.09469	13.77202	12.97072	12.29166	11.83485
11.39667	10.88187	10.29518	9.82452		
3610101.23	13.69763	13.30308	13.11552	12.36703	11.73423
11.21839	10.81490	10.42672	9.87545		
3610059.62	13.41791	12.85602	12.69627	12.16779	11.65604
11.25345	10.86520	10.40225	9.60476		
3610018.01	13.33910	12.72040	12.11573	11.80590	11.41490
11.03644	10.75766	10.40190	9.71718		
3609976.40	12.90511	12.32497	11.66511	11.47461	11.28693
10.93229	10.58784	10.33631	10.17206		
3609934.79	12.34418	11.97602	11.61835	11.35574	11.09995
10.85062	10.60758	10.37058	10.13940		
3609893.18	11.94599	11.68572	11.35209	11.10893	10.87233
10.56398	10.41676	10.19713	10.05531		
3609851.57	11.89501	11.71688	11.24833	11.08906	10.76727
10.54922	10.19517	9.92040	9.72272		
3609809.96	12.50146	12.29538	12.09705	11.90583	11.09113
10.47771	9.96084	9.63242	9.38011		
3609768.35	12.51706	12.30190	12.14883	11.84179	11.28044
10.15845	9.76536	9.42518	8.98435		
3609726.74	12.31096	12.04641	11.73888	11.49241	11.25455
10.71897	9.64750	9.12948	8.82250		
3609685.13	12.43685	12.09204	11.46352	11.17635	10.84609
9.93381	9.23361	8.82466	8.51906		
3609643.52	12.11865	11.79313	11.10474	10.73269	10.41285
10.05921	9.05603	8.56228	8.26129		
3609601.91	11.63666	11.01985	10.75609	10.44970	10.19521
9.94542	9.08507	8.45179	8.14680		
3609560.30	11.29181	10.96248	10.46090	10.17160	9.93113
9.47201	8.95442	8.42838	8.10238		
3609518.69	10.88608	10.68718	10.17446	9.85694	9.62904
9.44944	9.06260	8.18755	7.75570		
3609477.08	10.58417	10.35603	9.82051	9.60009	9.38329
9.25426	9.04523	8.68117	8.10438		
3609435.47	10.27058	10.08731	9.94360	9.69974	9.26994
8.98791	8.90633	8.78750	8.47856		

3609393.86	10.08003	9.87215	9.70022	9.53139	9.05008
8.77900	8.58587	8.35743	7.77617		
3609352.25	10.38442	9.66391	9.37175	9.24473	9.11921
8.62187	8.39924	8.21592	8.10974		

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491659.30	491675.91	491692.52
3610184.45	9.62508	9.43988	8.92602
3610142.84	9.55021	9.37174	9.11540
3610101.23	9.52120	9.26557	9.01894
3610059.62	9.09731	8.86170	8.95888
3610018.01	9.30677	8.99373	9.01143
3609976.40	10.01049	9.69894	9.47208
3609934.79	9.83865	9.62008	9.26083
3609893.18	9.77297	9.49756	9.29864
3609851.57	9.46032	9.20407	8.95367
3609809.96	9.13466	8.89548	8.66214
3609768.35	8.74922	8.58644	8.36550
3609726.74	8.52580	8.23874	8.02341
3609685.13	8.16168	7.81418	7.66184
3609643.52	7.96877	7.74462	7.46963
3609601.91	7.91922	7.64095	7.42656
3609560.30	7.81582	7.60218	7.44723

3609518.69	7.60253	7.55634	7.25268
3609477.08	7.67190	7.46386	7.26027
3609435.47	7.77946	7.15138	7.27989
3609393.86	7.33594	7.17310	6.87961
3609352.25	7.37719	6.74157	6.66165

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	39.16135	491278.96
3610288.22	28.23496		
491317.19	3610288.22	25.30879	491355.42
3610288.22	22.92901		
491393.65	3610342.70	18.93272	491431.88
3610342.70	17.06041		
491470.11	3610342.70	15.68752	491508.34
3610342.70	14.33450		
491546.57	3610342.70	13.09359	491584.80
3610342.70	11.45143		
491623.03	3610342.70	10.45383	491508.34
3610397.18	13.69662		
491546.57	3610397.18	12.48677	491584.80
3610397.18	11.50544		
491623.03	3610397.18	10.58544	491508.34
3610451.66	13.56318		

491546.57	3610451.66	12.46656	491584.80
3610451.66	11.72038		
491623.03	3610451.66	10.73747	491508.34
3610506.14	13.99097		
491546.57	3610506.14	12.75044	491584.80
3610506.14	11.94646		
491623.03	3610506.14	10.94489	491508.34
3610560.62	13.48055		
491546.57	3610560.62	12.48374	491584.80
3610560.62	11.68477		
491623.03	3610560.62	10.92090	491087.81
3610615.10	28.67427		
491126.04	3610615.10	26.40536	491508.34
3610615.10	12.40680		
491546.57	3610615.10	11.93694	491584.80
3610615.10	11.07358		
491623.03	3610615.10	10.16625	491087.81
3610669.58	22.54418		
491126.04	3610669.58	20.25565	491508.34
3610669.58	11.46807		
491546.57	3610669.58	11.26713	491584.80
3610669.58	10.65064		
491623.03	3610669.58	10.19318	491546.57
3610724.06	10.03232		
491584.80	3610724.06	9.25317	491623.03
3610724.06	8.78907		
491546.57	3610778.54	9.39301	491584.80
3610778.54	9.05681		
491623.03	3610778.54	7.96908	490934.89
3610833.02	15.67036		
490973.12	3610833.02	15.61611	491011.35
3610833.02	14.84054		
491049.58	3610833.02	14.12119	491087.81
3610833.02	13.89623		
491126.04	3610833.02	13.36117	491164.27
3610833.02	12.63246		
491202.50	3610833.02	11.86515	491240.73
3610833.02	11.16098		
491278.96	3610833.02	10.55235	491317.19
3610833.02	10.16422		
491355.42	3610833.02	9.53192	491393.65
3610833.02	8.96389		
491431.88	3610833.02	8.68290	491470.11
3610833.02	8.59525		
491508.34	3610833.02	8.05561	491546.57
3610833.02	7.92801		
491584.80	3610833.02	8.12018	491623.03
3610833.02	7.49389		
490934.89	3610887.50	13.46877	490973.12
3610887.50	13.16775		

491011.35	3610887.50	12.88243	491049.58
3610887.50	12.26144		
491087.81	3610887.50	11.77180	491126.04
3610887.50	12.02932		
491164.27	3610887.50	11.43257	491202.50
3610887.50	10.64347		
491240.73	3610887.50	9.88745	491278.96
3610887.50	9.40273		
491317.19	3610887.50	9.03801	491355.42
3610887.50	8.44575		
491393.65	3610887.50	7.85315	491431.88
3610887.50	7.89307		
491470.11	3610887.50	7.49987	491508.34
3610887.50	7.22340		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***

INCLUDING SOURCE(S): L0001542 , L0001543

, L0001544	, L0001545	, L0001546	,			
	L0001547	, L0001548	, L0001549	, L0001550	, L0001551	
, L0001552	, L0001553	, L0001554	,			
	L0001555	, L0001556	, L0001557	, L0001558	, L0001559	
, L0001560	, L0001561	, L0001562	,			
	L0001563	, L0001564	, L0001565	, L0001566	, L0001567	
, L0001568	, L0001569	, . . .	,			

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	6.92013	491584.80
3610887.50	6.76001		
491623.03	3610887.50	6.58921	490858.43
3610941.98	12.59466		
490896.66	3610941.98	11.88466	490934.89
3610941.98	11.21814		
490973.12	3610941.98	10.89226	491011.35

3610941.98	10.69442			
	491049.58	3610941.98	11.13027	491087.81
3610941.98	11.03235			
	491126.04	3610941.98	10.84194	491164.27
3610941.98	10.26346			
	491202.50	3610941.98	9.62642	491240.73
3610941.98	8.45807			
	491278.96	3610941.98	8.40863	491317.19
3610941.98	8.10079			
	491355.42	3610941.98	7.82903	491393.65
3610941.98	7.39868			
	491431.88	3610941.98	7.05650	491470.11
3610941.98	6.60386			
	491508.34	3610941.98	6.35083	491546.57
3610941.98	6.23900			
	491584.80	3610941.98	6.06744	491623.03
3610941.98	5.93175			
	490858.43	3610996.46	11.11956	490896.66
3610996.46	10.42890			
	490934.89	3610996.46	9.82445	490973.12
3610996.46	9.01353			
	491011.35	3610996.46	9.81599	491049.58
3610996.46	9.90387			
	491087.81	3610996.46	10.06282	491126.04
3610996.46	9.70848			
	491164.27	3610996.46	9.11563	491202.50
3610996.46	8.42586			
	491240.73	3610996.46	7.87479	491278.96
3610996.46	7.66093			
	491317.19	3610996.46	7.41842	491355.42
3610996.46	7.15263			
	491393.65	3610996.46	6.72253	491431.88
3610996.46	6.29834			
	491470.11	3610996.46	6.02865	491508.34
3610996.46	5.68355			
	491546.57	3610996.46	5.68193	491584.80
3610996.46	5.40083			
	491623.03	3610996.46	5.47923	490858.43
3611050.94	9.43145			
	490896.66	3611050.94	8.35578	490934.89
3611050.94	8.17664			
	490973.12	3611050.94	8.34942	491011.35
3611050.94	8.09198			
	491049.58	3611050.94	8.80613	491087.81
3611050.94	9.03309			
	491126.04	3611050.94	8.77839	491164.27
3611050.94	8.20249			
	491202.50	3611050.94	7.83115	491240.73
3611050.94	7.49288			
	491278.96	3611050.94	6.93082	491317.19

3611050.94	6.55942			
491355.42	3611050.94	6.27172		491393.65
3611050.94	6.06638			
491431.88	3611050.94	5.78104		491470.11
3611050.94	5.31116			
491508.34	3611050.94	5.14288		491546.57
3611050.94	4.97711			
491584.80	3611050.94	4.97702		491623.03
3611050.94	4.84137			
490858.43	3611105.42	8.42900		490896.66
3611105.42	7.75462			
490934.89	3611105.42	7.52082		490973.12
3611105.42	7.21092			
491011.35	3611105.42	7.37748		491049.58
3611105.42	8.40459			
491087.81	3611105.42	8.21235		491126.04
3611105.42	7.87838			
491164.27	3611105.42	7.69446		491202.50
3611105.42	7.32601			
491240.73	3611105.42	7.02546		491278.96
3611105.42	6.51989			
491317.19	3611105.42	6.07074		491355.42
3611105.42	5.78511			

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

491393.65	3611105.42	5.45332	491431.88
3611105.42	5.08251		
491470.11	3611105.42	4.96717	491508.34
3611105.42	4.50123		
491546.57	3611105.42	4.46687	491584.80
3611105.42	4.52843		
491623.03	3611105.42	4.20795	490858.43
3611159.90	7.68924		
490896.66	3611159.90	7.14463	490934.89
3611159.90	6.77171		
490973.12	3611159.90	6.79922	491011.35
3611159.90	7.09127		
491049.58	3611159.90	7.55031	491087.81
3611159.90	7.31875		
491126.04	3611159.90	7.20725	491164.27
3611159.90	7.06410		
491202.50	3611159.90	6.55995	491240.73
3611159.90	6.14412		
491278.96	3611159.90	5.89063	491317.19
3611159.90	5.60485		
491355.42	3611159.90	5.26402	491393.65
3611159.90	4.98244		
491431.88	3611159.90	4.66138	491470.11
3611159.90	4.32164		
491508.34	3611159.90	4.06929	491546.57
3611159.90	4.03926		
491584.80	3611159.90	3.98748	491623.03
3611159.90	3.69364		
490858.43	3611214.38	6.80792	490896.66
3611214.38	6.35186		
490934.89	3611214.38	6.22801	490973.12
3611214.38	6.17002		
491011.35	3611214.38	6.89115	491049.58
3611214.38	6.77406		
491087.81	3611214.38	6.75110	491126.04
3611214.38	6.75175		
491164.27	3611214.38	6.36338	491202.50
3611214.38	5.91625		
491240.73	3611214.38	5.56859	491278.96
3611214.38	5.14304		
491317.19	3611214.38	4.95701	491355.42
3611214.38	4.56524		
491393.65	3611214.38	4.50864	491431.88
3611214.38	4.33406		
491470.11	3611214.38	3.87918	491508.34
3611214.38	3.75619		
491546.57	3611214.38	3.62327	491584.80
3611214.38	3.38767		

491623.03	3611214.38	3.17138	490858.43
3611268.86	6.07956		
490896.66	3611268.86	5.74420	490934.89
3611268.86	5.44704		
490973.12	3611268.86	5.73811	491011.35
3611268.86	5.90568		
491049.58	3611268.86	6.06782	491087.81
3611268.86	6.11770		
491126.04	3611268.86	6.09568	491164.27
3611268.86	5.79038		
491202.50	3611268.86	5.45152	491240.73
3611268.86	4.98865		
491278.96	3611268.86	4.52570	491317.19
3611268.86	4.50926		
491355.42	3611268.86	4.29043	491393.65
3611268.86	4.16799		
491431.88	3611268.86	3.92338	491470.11
3611268.86	3.69031		
491508.34	3611268.86	3.45880	491546.57
3611268.86	3.28310		
491584.80	3611268.86	3.00615	491623.03
3611268.86	2.72173		
490858.43	3611323.34	5.75455	490896.66
3611323.34	5.38959		
490934.89	3611323.34	5.07383	490973.12
3611323.34	5.30551		
491011.35	3611323.34	5.37074	491049.58
3611323.34	5.31492		
491087.81	3611323.34	5.49322	491126.04
3611323.34	5.51338		
491164.27	3611323.34	5.30412	491202.50
3611323.34	4.98729		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
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 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3611323.34	491240.73	3611323.34	4.61295	491278.96
3611323.34	491317.19	3611323.34	4.16301	491355.42
3611323.34	491393.65	3611323.34	3.77842	491431.88
3611323.34	491470.11	3611323.34	3.31484	491508.34
3611323.34	491546.57	3611323.34	2.88710	491584.80
3608705.27	491623.03	3611323.34	2.38473	491583.40
3608753.50	491577.37	3608727.37	5.49094	491573.36
3608775.60	491562.30	3608782.64	6.07452	491565.32
3608840.91	491547.23	3608819.81	6.26283	491545.22
3608898.19	491533.16	3608877.09	6.93776	491524.12
3608925.32	491522.11	3608915.27	7.19924	491520.10
3608961.49	491511.06	3608945.41	7.56492	491507.04
3608992.64	491499.00	3608982.59	8.06982	491498.00
3609030.82	491490.96	3609007.71	8.24795	491484.93
3609072.02	491478.91	3609048.91	8.66187	491470.87
3609114.22	491461.82	3609094.12	8.97446	491450.77
3609145.37	491449.77	3609129.29	9.30703	491443.74
3609178.52	491439.72	3609164.46	9.60206	491434.69
3609216.71	491424.65	3609198.62	10.05477	491418.62
	491414.60	3609231.78	10.35172	491409.57

3609244.84	10.50763			
	491398.52	3609273.98	10.88837	491397.52
3609289.05	11.03966			
	491388.47	3609312.16	11.34433	491383.45
3609329.24	11.58261			
	491377.42	3609354.36	11.88006	491374.41
3609371.44	12.03954			
	491361.34	3609405.61	12.50034	491355.32
3609423.69	12.74945			
	491340.24	3609470.92	13.46465	491324.17
3609526.18	14.35334			
	491329.19	3609504.08	13.97213	491314.12
3609546.28	14.74734			
	491302.06	3609575.42	15.29051	491296.03
3609594.51	15.69490			
	491286.99	3609618.62	16.22217	491279.96
3609632.69	16.57254			
	491274.93	3609648.77	16.96663	491269.91
3609666.85	17.33380			
	491264.88	3609679.92	17.62911	491259.86
3609700.01	18.05803			
	491269.76	3609874.49	20.98835	491098.46
3610169.21	43.59917			
	491115.74	3610172.91	42.15860	491105.25
3610150.69	42.54401			
	491109.57	3610134.65	41.36430	491108.33
3610125.39	40.72731			
	491113.27	3610114.29	39.25143	491118.82
3610099.48	37.66127			
	491122.52	3610087.75	36.63706	491127.46
3610070.47	35.49921			
	491131.78	3610051.96	34.80593	491136.72
3610040.85	33.90171			
	491138.57	3610034.07	33.26392	491139.80
3610021.73	32.14700			
	491157.08	3610005.06	30.35716	491166.95
3609998.89	29.38853			
	491178.68	3609984.70	27.67436	491174.98
3609963.10	27.30716			
	491184.23	3609965.57	26.65711	491176.21
3609942.12	26.45899			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: YRDTRK ***

INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	26.01647	491179.91
3609920.53	25.55395		
491191.64	3609922.99	24.97189	491189.17
3609903.25	25.42176		
491198.42	3609906.95	24.58324	491194.72
3609882.27	24.55271		
491205.83	3609887.20	23.16530	491200.89
3609866.84	23.34770		
491205.83	3609849.56	23.17421	491212.62
3609864.99	22.73581		
491303.94	3609929.78	20.31380	491267.54
3609903.25	21.11281		
491277.41	3609879.18	20.59021	491324.31
3609896.46	18.98801		
491135.48	3610120.46	37.53743	491124.99
3610139.59	39.72690		
491130.55	3610141.44	39.19682	491142.89
3610145.14	38.12717		
491165.10	3610151.31	36.29542	491172.51
3610156.25	35.84243		
491183.00	3610155.01	34.85002	491190.40
3610158.72	34.34536		
491197.81	3610138.97	32.89526	491162.02
3610130.33	35.57060		
491150.91	3610113.67	35.73872	491164.49
3610115.52	34.64337		
491178.06	3610123.54	33.87635	491189.17
3610125.39	33.03641		
491197.81	3610126.63	32.39850	491158.93
3610084.05	33.64632		

491175.59	3610088.37	32.51809	491188.55
3610090.84	31.64605		
491202.13	3610096.39	30.88581	491252.11
3610069.86	25.99009		
491240.39	3610095.77	27.98457	491232.36
3610128.48	29.31493		
491220.02	3610152.55	31.44485	491213.85
3610179.70	32.90319		
491204.60	3610206.85	34.43776	491297.77
3610095.16	24.56647		
491316.29	3610102.56	23.62403	491271.24
3610169.21	27.77588		
491296.54	3610170.44	25.84944	491224.34
3609806.98	21.39441		
491232.36	3609786.00	20.52611	491240.39
3609769.96	19.96349		
491245.94	3609753.92	19.52340	491250.26
3609731.08	18.94649		
491255.20	3609716.89	18.48396	491354.41
3609557.94	14.24060		
491349.69	3609575.67	14.57651	491331.95
3609630.05	15.52123		
491310.67	3609696.25	16.94514	491301.22
3609737.63	17.84411		
491289.40	3609771.91	18.64594	491276.39
3609801.46	19.55679		
491310.67	3609805.01	17.96790	492077.18
3610785.74	3.92890		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: IDLE INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
491029.88	490903.38	490928.68	490953.98	490979.28	491004.58
491055.18	491080.48	491105.78			

3610794.59	19.75531	21.12571	20.58323	20.06308	20.22079
19.06045	17.59092	18.06149	16.48296		
3610785.63	19.62765	21.55758	20.99474	21.15345	20.60616
20.05929	17.90218	18.36601	16.75635		
3610776.67	20.88698	24.14451	23.49902	22.87486	22.26215
20.42959	19.21822	18.67895	17.03848		
3610767.71	25.34616	25.67570	24.97253	24.02440	23.00854
20.80989	19.56069	19.00116	17.57707		
3610758.75	27.18389	26.81174	26.05406	24.96758	23.82241
22.46944	19.91300	19.33353	17.88266		
3610749.79	28.41946	27.79660	26.98894	25.84629	24.56553
22.89640	20.94855	19.67705	18.19992		
3610740.83	29.08254	28.72389	27.58404	26.39438	24.78952
23.33543	21.33555	20.03281	18.53002		
3610731.87	29.77353	29.98382	28.20114	26.96041	25.29467
24.11127	21.73581	20.40205	18.87419		
3610722.91	30.49449	30.68804	28.84095	27.54496	25.81534
24.58461	22.15063	20.78621	20.17659		
3610713.95	31.47204	32.32486	29.80781	28.14878	26.64295
25.45531	22.58151	21.86528	20.56305		
3610704.99	32.60563	33.10319	30.50226	28.77291	27.39606
25.97045	23.03015	22.29418	20.96715		
3610696.03	34.12136	34.12379	31.83672	29.62124	28.17573
26.79350	24.85256	22.74297	22.04212		
3610687.07	35.01354	34.97131	33.48286	30.50115	28.98376
27.54397	25.36406	23.21309	22.49204		
3610678.11	36.98434	35.85286	34.49210	31.20570	29.82394
28.13556	26.24956	25.00982	22.96048		
3610669.15	37.97997	36.77022	35.58338	32.25478	30.69870
28.94783	27.22318	25.88014	24.68123		
3610660.19	39.02138	38.00218	36.65515	33.02545	31.70782
29.60148	28.12529	26.83234	25.20049		
3610651.23	40.36688	39.00638	37.57319	35.32440	32.45621
30.48642	28.95456	27.42333	26.06067		
3610642.27	41.51609	39.76412	39.03106	36.40569	33.83617
31.41253	30.00605	28.32614	26.61728		
3610633.31	43.03857	40.85562	40.48445	37.58333	35.49230
32.17682	30.90230	29.14894	27.19030		
3610624.35	45.65487	42.30948	41.74303	38.75619	36.58618
33.18349	31.83067	29.99687	28.16788		
3610615.39	48.59921	44.81056	43.30518	39.78121	37.51874

34.02181 32.59638 30.86979 29.06614
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491257.58	491131.08	491156.38	491181.68	491206.98 491232.28
491282.88	491308.18	491333.48		

3610794.59	15.89849	14.68685	13.98804	13.58183	12.95882
12.37362	11.93775	11.63737	11.35275		
3610785.63	16.15832	15.18497	14.21763	13.80489	13.17298
12.69752	12.25169	11.83197	11.54031		
3610776.67	16.42708	15.43876	14.45695	14.16492	13.51953
13.03308	12.46098	12.03250	11.73241		
3610767.71	16.70560	15.70294	14.84201	14.41008	13.75483
13.26030	12.79407	12.35147	11.92873		
3610758.75	16.99482	15.97850	15.10532	14.79669	14.00004
13.61762	13.01868	12.67819	12.12914		
3610749.79	17.29574	16.57095	15.51987	15.06609	14.25493
13.86278	13.24933	12.89734	12.33372		
3610740.83	17.60940	16.87344	15.81014	15.34676	14.64900
14.23994	13.60707	13.12133	12.65621		
3610731.87	18.13736	17.49536	16.25623	15.63834	15.05483
14.50108	13.85089	13.35041	12.98634		
3610722.91	18.48230	17.82607	16.82492	15.94020	15.33966
14.89648	14.10055	13.58495	13.32446		

3610713.95	|	18.84271	18.36365	17.15566	16.39204	15.76664
15.17298		14.48242	13.82545	13.55456		
3610704.99	|	19.47256	18.72399	17.77859	16.85665	16.20469
15.45663		14.87380	14.07234	13.79083		
3610696.03	|	19.86759	19.09757	18.41248	17.19084	16.65428
15.74792		15.27521	14.32594	14.03327		
3610687.07	|	20.27811	19.72300	18.96146	17.76685	17.11568
16.04737		15.68688	14.58634	14.28159		
3610678.11	|	21.61902	20.12351	19.33822	18.37998	17.31066
16.35538		15.71737	14.98301	14.65892		
3610669.15	|	22.06357	21.37563	19.94914	19.00471	17.51040
16.53249		15.87897	15.38883	15.04351		
3610660.19	|	23.16595	21.79992	20.35137	19.55915	17.56786
16.85579		16.04235	15.67155	15.43446		
3610651.23	|	23.64504	22.23650	20.76673	19.94975	18.07337
17.33154		16.48878	16.09252	15.95543		
3610642.27	|	24.13768	21.86145	20.97011	20.17140	18.44152
17.81833		16.94421	16.65327	16.35671		
3610633.31	|	25.84898	22.08719	21.21508	20.58320	18.97198
18.31524		17.40758	17.08704	16.88509		
3610624.35	|	26.38339	22.35951	21.66686	21.00608	19.51457
18.82135		18.01926	17.52524	17.29268		
3610615.39		27.25668	23.07261	22.13154	21.17715	20.06793
19.33540		18.49529	17.83247	17.57834		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |

X-COORD (METERS)

(METERS) | 491358.78 491384.08 491409.38

3610794.59	10.36849	9.93084	9.79950
3610785.63	10.53756	10.28978	10.14521
3610776.67	10.92052	10.65689	10.49840
3610767.71	11.31209	10.92965	10.85934
3610758.75	11.81864	11.31209	11.12866
3610749.79	12.22768	11.59855	11.50461
3610740.83	12.42923	11.89206	11.88889
3610731.87	12.63579	12.08627	12.28096
3610722.91	12.84774	12.39384	12.68004
3610713.95	13.17815	12.70889	12.98492
3610704.99	13.51661	13.03092	13.19350
3610696.03	13.97637	13.24798	13.40450
3610687.07	14.33002	13.69295	13.72115
3610678.11	14.68969	14.36262	14.14349
3610669.15	15.05446	15.02614	14.66680
3610660.19	15.30796	15.72390	15.08817
3610651.23	15.79549	16.12670	15.41147
3610642.27	16.28434	16.37206	15.92308
3610633.31	16.66114	16.77580	16.29801
3610624.35	17.19619	17.13867	16.63462
3610615.39	17.80290	17.51603	16.98395

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0001253 , L0001254
, L0001255 , L0001256 , L0001257 ,
L0001258 , L0001259 , L0001260 , L0001261 , L0001262
, L0001263 , L0001264 , L0001265 ,
L0001266 , L0001267 , L0001268 , L0001269 , L0001270
, L0001271 , L0001272 , L0001273 ,
L0001274 , L0001275 , L0001276 , L0001277 , L0001278
, L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)					X-COORD (METERS)	
	490964.36	490985.16	491005.96		491026.76	491047.56
491068.36	491089.16	491109.96	491130.76			

3610597.95	44.35813	41.23865	39.35438		36.27415	34.42584
33.36633	31.96659	30.46344	29.22058			
3610584.74	45.60741	43.18801	41.40800		38.30857	35.92968
34.83716	33.04572	31.44848	30.12815			
3610571.53	47.10218	45.56460	43.58430		40.78040	37.59751
36.07507	34.16774	32.47157	31.24645			
3610558.32	49.86654	48.01725	45.37116		42.62916	39.60712
37.91372	35.53111	33.91005	32.21657			
3610545.11	52.73800	50.34809	47.24473		44.28973	41.97911
39.25422	37.53756	35.45923	33.56755			
3610531.90	55.73665	52.79574	49.65075		46.24753	43.77755
41.24850	39.34242	37.04441	34.74725			
3610518.69	59.49526	55.12922	51.90556		48.94574	46.03111
42.64515	40.58497	38.67155	35.74025			
3610505.48	62.95804	57.82776	54.22755		51.44004	48.02644
44.25931	42.02002	39.95047	36.96336			
3610492.27	65.20251	60.01927	56.36452		53.30017	49.23944
45.64757	43.23741	41.02159	38.33029			
3610479.06	67.32168	62.25375	58.77451		55.14453	50.81581
47.00519	44.42162	42.05931	39.71233			
3610465.85	71.10554	65.79823	61.83126		56.95490	52.74750
48.82528	45.81691	43.29342	40.99145			
3610452.64	75.03933	69.46184	64.74480		59.15351	54.92547
50.88490	47.14060	44.46021	42.35393			
3610439.43	78.85175	72.52617	67.17419		60.85239	57.01186
52.52596	48.57797	45.37471	43.44295			
3610426.22	82.11634	74.46297	68.54712		62.72680	58.59030
53.92849	49.57040	46.23146	44.35586			
3610413.01	85.03874	76.21293	69.46127		64.25178	59.88464
55.40896	50.83340	47.37394	45.03258			
3610399.80	88.60128	78.97310	70.85467		65.66293	61.07790
56.41142	51.87726	48.39759	45.63329			
3610386.59	91.57011	81.50541	71.88585		66.94251	62.15272
57.30579	52.82170	49.20867	46.15131			
3610373.38	93.77380	83.73842	74.05018		68.30859	63.09229
58.07828	53.68397	49.92232	46.76269			
3610360.17	95.35621	85.92314	76.22381		69.72901	63.88211
58.95983	54.58841	50.56179	47.31313			
3610346.96	96.59193	87.57470	77.86691		70.51418	64.28749
59.66454	55.21786	51.25264	48.11714			
3610333.75	97.38176	88.66678	78.61397		70.62878	64.73444
60.01753	55.49705	51.47476	48.29793			

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*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0001253 , L0001254
, L0001255 , L0001256 , L0001257 ,
L0001258 , L0001259 , L0001260 , L0001261 , L0001262
, L0001263 , L0001264 , L0001265 ,
L0001266 , L0001267 , L0001268 , L0001269 , L0001270
, L0001271 , L0001272 , L0001273 ,
L0001274 , L0001275 , L0001276 , L0001277 , L0001278
, L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491255.56	491151.56	491172.36	491193.16	491213.96	491234.76

3610597.95	25.95167	23.57053	22.16952	21.58774	21.02279
20.47385	19.59867	18.96073	18.48150		
3610584.74	28.25731	25.29881	23.43152	22.76434	22.29808
21.26714	20.46186	19.57686	18.92149		
3610571.53	29.75171	27.76151	24.58778	23.83839	24.16289
22.23580	21.42068	20.19201	19.35503		
3610558.32	30.80547	29.21778	26.53540	25.10744	25.84984
22.99556	22.10410	20.85500	19.77705		
3610545.11	32.04357	30.27886	28.51818	27.16795	26.74334
24.50139	23.26764	21.52630	20.46405		
3610531.90	33.10982	31.41275	29.57039	28.08832	27.54951
26.01561	24.16257	22.34255	21.25223		
3610518.69	34.16698	32.36605	30.68726	29.27957	28.11359
27.15563	25.78511	23.75064	21.98613		
3610505.48	35.26385	33.29933	31.69193	30.19662	28.80253
28.18000	26.54992	25.20997	23.27016		
3610492.27	36.49114	34.20711	32.50858	30.93301	29.46728
28.81849	27.09377	25.76067	24.35962		
3610479.06	37.29333	34.91586	33.29747	31.64203	30.10567
29.26201	27.61372	26.36054	25.06544		
3610465.85	38.50466	36.17507	34.10188	32.51669	30.71488

29.67549	28.10752	26.80756	25.47148		
3610452.64	|	39.41169	37.23308	34.99474	33.31846 31.47666
29.88269	28.44013	27.22712	25.85219		
3610439.43	|	40.31222	37.99763	35.91081	33.76666 32.15829
30.22533	28.87278	27.61537	26.20306		
3610426.22	|	41.13517	38.74818	36.54251	34.55273 32.86817
30.52681	29.55236	27.99785	26.52016		
3610413.01	|	42.01634	39.41629	36.96198	34.91065 33.17594
30.96043	30.10295	28.42661	26.80207		
3610399.80	|	42.96113	40.12802	37.51723	35.55242 33.75181
31.44433	30.42005	28.90006	26.92999		
3610386.59	|	43.74138	40.74660	38.25442	36.21518 34.11749
32.11954	30.57645	29.03199	27.03041		
3610373.38	|	44.42097	41.35968	38.74767	36.65416 34.29591
32.43310	30.85792	29.26053	27.49691		
3610360.17	|	44.89845	42.07751	39.24199	36.82519 34.43581
32.68994	30.95721	29.49116	28.13856		
3610346.96	|	45.27191	42.43296	39.84401	37.08864 34.53634
33.00066	31.02726	29.67428	28.30529		
3610333.75		45.41978	42.82494	40.23009	37.45374 35.05577
32.82275	30.77719	29.43527	28.07563		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: IDLE INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491338.76	491359.56 491380.36

3610597.95	18.26464	18.94508	19.23217
3610584.74	18.67664	19.33093	19.57952
3610571.53	19.08038	19.70896	19.91755
3610558.32	19.64694	19.71171	19.75761
3610545.11	20.02107	19.77835	19.78235
3610531.90	20.76525	20.38709	20.07903
3610518.69	21.40686	23.67524	21.80386
3610505.48	22.41428	25.40638	22.84701
3610492.27	22.73644	25.07952	22.40491
3610479.06	23.01240	23.71350	21.98481
3610465.85	23.96399	23.40329	21.28558
3610452.64	24.40028	23.60226	21.08066
3610439.43	24.88585	23.61521	21.05580
3610426.22	25.17259	23.75658	20.59455
3610413.01	25.42706	23.67144	20.03563
3610399.80	25.53334	23.57938	20.70339
3610386.59	25.61581	23.14029	21.31239
3610373.38	25.67937	23.17694	21.49886
3610360.17	25.96823	23.19604	21.49956
3610346.96	25.99969	23.19871	21.48719
3610333.75	25.63961	23.74173	21.91952

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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491443.37	491360.32	491376.93	491393.54	491410.15 491426.76
	491459.98	491476.59	491493.20	

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3610184.45 | 24.65034 23.07945 22.04146 21.48416 20.64326
19.56100 17.22784 16.13853 15.37376
3610142.84 | 24.62339 23.36712 22.02242 21.07913 20.47674
19.80537 18.70234 16.66157 15.23339
3610101.23 | 23.90817 22.82187 21.44416 20.35723 19.66619
19.27916 18.47204 16.47224 15.13298
3610059.62 | 22.24036 21.64478 20.85192 20.00160 19.30539
18.42152 18.13701 17.38904 15.74587
3610018.01 | 21.07630 20.55106 19.91838 19.25441 18.61397
17.95556 16.71197 15.65565 15.19631
3609976.40 | 19.98764 19.52104 19.07086 18.54851 17.86881
17.07953 15.29045 14.85938 14.46360
3609934.79 | 18.84001 18.43064 17.94274 17.56221 17.01831
16.35573 15.32529 14.31240 13.92683
3609893.18 | 18.85275 18.44215 17.72432 17.00862 16.42341
15.93834 15.17863 14.05577 13.27750
3609851.57 | 18.26569 17.62774 16.56705 16.23673 15.84079
15.38318 14.81653 14.38157 13.98838
3609809.96 | 17.90609 16.95363 15.97023 15.88969 15.35283
14.94950 14.52714 14.19193 13.79900
3609768.35 | 17.56970 16.83748 16.27374 15.70289 15.39483
15.02227 14.18636 13.75967 13.51635
3609726.74 | 17.05067 16.64780 16.01482 15.56445 15.05570
14.59617 14.26256 13.92864 13.35947
3609685.13 | 16.55269 16.18316 15.77960 15.07480 14.73440
14.40255 14.12648 13.72594 13.32189
3609643.52 | 15.89534 15.67473 15.37981 14.94072 14.62080
14.34704 13.82431 13.50548 13.21721
3609601.91 | 15.39628 15.12906 14.83090 14.53497 14.27590
13.98674 13.66784 13.33068 12.84974
3609560.30 | 14.87289 14.56212 14.32059 14.08365 13.78754
13.49181 13.19649 12.72874 12.41529
3609518.69 | 14.35085 14.06109 13.77360 13.48979 13.24316
13.00152 12.70826 12.26289 11.87563
3609477.08 | 13.91577 13.60872 13.31870 13.08381 12.85166
12.59374 12.28643 11.86389 11.61462
3609435.47 | 13.38889 13.17761 12.94563 12.73596 12.47514
12.18034 11.99861 11.76204 11.37079
3609393.86 | 12.91195 12.73013 12.53698 12.32795 12.09595
11.88310 11.74069 11.50145 11.25821
3609352.25 | 12.55703 12.34359 12.12449 11.94484 11.75347
11.54374 11.35269 11.15925 10.98682

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: IDLE
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
491592.86	491609.47	491626.08	491642.69	491559.64	491576.25

3610184.45	15.10839	14.73891	14.16846	13.40703	12.67537
11.97436	11.61308	11.26680	10.64257		
3610142.84	15.20228	14.84013	13.96941	13.23020	12.73013
12.25122	11.69200	11.05667	10.54584		
3610101.23	14.78599	14.34521	14.12619	13.31129	12.62053
12.05600	11.61297	11.18763	10.58896		
3610059.62	14.48652	13.87064	13.68386	13.10591	12.54666
12.10427	11.67798	11.17280	10.31048		
3610018.01	14.43595	13.70759	13.04997	12.70646	12.27814
11.86398	11.55648	11.16822	10.43121		
3609976.40	14.02588	13.26527	12.55120	12.33628	12.12471
11.73752	11.36191	11.08491	10.90039		
3609934.79	13.40703	12.86981	12.47548	12.18460	11.90230
11.62790	11.36110	11.10131	10.84829		
3609893.18	13.06176	12.74556	12.23166	11.90631	11.64168
11.30237	11.13608	10.89412	10.73546		
3609851.57	13.24700	13.03308	12.19303	12.00938	11.71972
11.45532	10.89349	10.58985	10.36991		
3609809.96	13.44806	13.22196	13.00366	12.79232	12.33359
11.48051	10.80503	10.28149	10.00375		
3609768.35	13.21663	12.99067	12.83268	12.50212	12.08551
11.22816	10.51940	10.19978	9.56977		
3609726.74	13.12468	12.71424	12.35353	12.09353	11.84215
11.44954	10.63029	9.86157	9.41267		

3609685.13	13.08225	12.74038	12.05716	11.71828	11.36570
10.91307	10.02095	9.49835	9.05958		
3609643.52	12.93630	12.39393	11.66570	11.22287	10.93134
10.66959	9.89873	9.17664	8.74954		
3609601.91	12.28082	11.91258	11.32097	10.94439	10.65801
10.43271	9.96283	8.98178	8.69432		
3609560.30	12.04753	11.60544	11.15694	10.68766	10.41394
10.06275	9.78927	9.19556	8.60838		
3609518.69	11.55247	11.32264	11.04071	10.38935	10.12885
9.92260	9.64261	8.96176	8.31444		
3609477.08	11.32820	10.98934	10.52926	10.15025	9.90295
9.75162	9.51303	9.25060	8.92429		
3609435.47	10.97667	10.69775	10.54368	10.30283	9.92936
9.49529	9.39879	9.26031	8.95659		
3609393.86	10.81078	10.59383	10.34468	10.08827	9.82812
9.27903	9.06932	8.86059	8.57338		
3609352.25	10.78877	10.34434	9.89853	9.76277	9.63005
9.12104	8.86184	8.66753	8.55479		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
491659.30	491675.91	491692.52	

3610184.45	10.33214	10.12637	9.56903
3610142.84	10.24602	10.04935	9.76970

3610101.23	10.20183	9.92121	9.65111
3610059.62	9.75743	9.49656	9.59269
3610018.01	9.98526	9.64341	9.65481
3609976.40	10.71916	10.38102	10.13243
3609934.79	10.52297	10.28419	9.89854
3609893.18	10.42967	10.13238	9.91637
3609851.57	10.08262	9.80340	9.53195
3609809.96	9.73392	9.47143	9.21586
3609768.35	9.31566	9.13813	8.89822
3609726.74	9.05501	8.74900	8.51937
3609685.13	8.64193	8.27430	8.11317
3609643.52	8.40607	8.17243	7.88462
3609601.91	8.35880	8.03132	7.80835
3609560.30	8.33258	8.01020	7.81002
3609518.69	8.12584	8.07292	7.61150
3609477.08	8.30687	7.95608	7.77095
3609435.47	8.57797	7.69437	7.88178
3609393.86	8.07857	7.80390	7.41392
3609352.25	8.16973	7.28703	7.19187

^ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

PAGE 104

*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: IDLE INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	43.07852	491278.96
3610288.22	30.74120		

491317.19	3610288.22	27.74998	491355.42
3610288.22	24.79726		
491393.65	3610342.70	20.75120	491431.88
3610342.70	18.46371		
491470.11	3610342.70	16.94483	491508.34
3610342.70	15.45630		
491546.57	3610342.70	14.09495	491584.80
3610342.70	12.31187		
491623.03	3610342.70	11.22160	491508.34
3610397.18	14.73184		
491546.57	3610397.18	13.41272	491584.80
3610397.18	12.34212		
491623.03	3610397.18	11.33990	491508.34
3610451.66	14.55508		
491546.57	3610451.66	13.36595	491584.80
3610451.66	12.55119		
491623.03	3610451.66	11.48759	491508.34
3610506.14	14.93514		
491546.57	3610506.14	13.60857	491584.80
3610506.14	12.74377		
491623.03	3610506.14	11.67364	491508.34
3610560.62	14.33481		
491546.57	3610560.62	13.26843	491584.80
3610560.62	12.41188		
491623.03	3610560.62	11.59522	491087.81
3610615.10	30.31516		
491126.04	3610615.10	27.95286	491508.34
3610615.10	13.15381		
491546.57	3610615.10	12.65158	491584.80
3610615.10	11.73590		
491623.03	3610615.10	10.77379	491087.81
3610669.58	25.42134		
491126.04	3610669.58	22.52082	491508.34
3610669.58	12.10555		
491546.57	3610669.58	11.88904	491584.80
3610669.58	11.23969		
491623.03	3610669.58	10.75709	491546.57
3610724.06	10.55990		
491584.80	3610724.06	9.74150	491623.03
3610724.06	9.25118		
491546.57	3610778.54	9.84011	491584.80
3610778.54	9.49741		
491623.03	3610778.54	8.36680	490934.89
3610833.02	17.55880		
490973.12	3610833.02	17.39909	491011.35
3610833.02	16.53590		
491049.58	3610833.02	15.29133	491087.81
3610833.02	15.35338		
491126.04	3610833.02	14.43367	491164.27
3610833.02	13.42334		

491202.50	3610833.02	12.56371	491240.73
3610833.02	11.79027		
491278.96	3610833.02	11.12121	491317.19
3610833.02	10.68610		
491355.42	3610833.02	9.99563	491393.65
3610833.02	9.38410		
491431.88	3610833.02	9.08120	491470.11
3610833.02	8.98327		
491508.34	3610833.02	8.41421	491546.57
3610833.02	8.27718		
491584.80	3610833.02	8.47501	491623.03
3610833.02	7.82774		
490934.89	3610887.50	14.47638	490973.12
3610887.50	14.12586		
491011.35	3610887.50	13.77680	491049.58
3610887.50	13.08195		
491087.81	3610887.50	12.56112	491126.04
3610887.50	12.85483		
491164.27	3610887.50	12.16981	491202.50
3610887.50	11.27933		
491240.73	3610887.50	10.44989	491278.96
3610887.50	9.91904		
491317.19	3610887.50	9.51460	491355.42
3610887.50	8.86786		
491393.65	3610887.50	8.22468	491431.88
3610887.50	8.25365		
491470.11	3610887.50	7.83121	491508.34
3610887.50	7.53649		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: IDLE INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3610887.50	491546.57	3610887.50	7.21668	491584.80
3610941.98	491623.03	3610887.50	6.86680	490858.43
3610941.98	490896.66	3610941.98	12.74705	490934.89
3610941.98	490973.12	3610941.98	11.63053	491011.35
3610941.98	491049.58	3610941.98	11.85620	491087.81
3610941.98	491126.04	3610941.98	11.55476	491164.27
3610941.98	491202.50	3610941.98	10.20867	491240.73
3610941.98	491278.96	3610941.98	8.87218	491317.19
3610941.98	491355.42	3610941.98	8.23547	491393.65
3610941.98	491431.88	3610941.98	7.38942	491470.11
3610941.98	491508.34	3610941.98	6.62225	491546.57
3610941.98	491584.80	3610941.98	6.31453	491623.03
3610996.46	490858.43	3610996.46	11.99923	490896.66
3610996.46	490934.89	3610996.46	10.47768	490973.12
3610996.46	491011.35	3610996.46	10.45761	491049.58
3610996.46	491087.81	3610996.46	10.69655	491126.04
3610996.46	491164.27	3610996.46	9.67149	491202.50
3610996.46	491240.73	3610996.46	8.32110	491278.96
3610996.46	491317.19	3610996.46	7.81782	491355.42
3610996.46	491393.65	3610996.46	7.06526	491431.88
3610996.46	491470.11	3610996.46	6.30759	491508.34
3610996.46	491546.57	3610996.46	5.92372	491584.80

3610996.46	5.61896			
	491623.03	3610996.46	5.69554	490858.43
3611050.94	10.14742			
	490896.66	3611050.94	8.95106	490934.89
3611050.94	8.70935			
	490973.12	3611050.94	8.86563	491011.35
3611050.94	8.57762			
	491049.58	3611050.94	9.35718	491087.81
3611050.94	9.59314			
	491126.04	3611050.94	9.30036	491164.27
3611050.94	8.67755			
	491202.50	3611050.94	8.28308	491240.73
3611050.94	7.91892			
	491278.96	3611050.94	7.31028	491317.19
3611050.94	6.90601			
	491355.42	3611050.94	6.59577	491393.65
3611050.94	6.37613			
	491431.88	3611050.94	6.06846	491470.11
3611050.94	5.56074			
	491508.34	3611050.94	5.37465	491546.57
3611050.94	5.19236			
	491584.80	3611050.94	5.18651	491623.03
3611050.94	5.03661			
	490858.43	3611105.42	9.04415	490896.66
3611105.42	8.31641			
	490934.89	3611105.42	8.03318	490973.12
3611105.42	7.65192			
	491011.35	3611105.42	7.81068	491049.58
3611105.42	8.92204			
	491087.81	3611105.42	8.71193	491126.04
3611105.42	8.33787			
	491164.27	3611105.42	8.12940	491202.50
3611105.42	7.73377			
	491240.73	3611105.42	7.41446	491278.96
3611105.42	6.87394			
	491317.19	3611105.42	6.39152	491355.42
3611105.42	6.08241			

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: IDLE INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262

```

, L0001263      , L0001264      , L0001265      ,
                  L0001266      , L0001267      , L0001268      , L0001269      , L0001270
, L0001271      , L0001272      , L0001273      ,
                  L0001274      , L0001275      , L0001276      , L0001277      , L0001278
, L0001279      , L0001280      , . . .

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3611105.42	491393.65	3611105.42	5.72486	491431.88
3611105.42	491470.11	3611105.42	5.20526	491508.34
3611105.42	491546.57	3611105.42	4.66756	491584.80
3611105.42	491623.03	3611105.42	4.38631	490858.43
3611159.90	490896.66	3611159.90	7.65335	490934.89
3611159.90	490973.12	3611159.90	7.23692	491011.35
3611159.90	491049.58	3611159.90	7.99836	491087.81
3611159.90	491126.04	3611159.90	7.62034	491164.27
3611159.90	491202.50	3611159.90	6.91057	491240.73
3611159.90	491278.96	3611159.90	6.19981	491317.19
3611159.90	491355.42	3611159.90	5.53126	491393.65
3611159.90	491431.88	3611159.90	4.88244	491470.11
3611159.90	491508.34	3611159.90	4.26282	491546.57
3611159.90	491584.80	3611159.90	4.17074	491623.03
3611214.38	490858.43	3611214.38	7.25656	490896.66
3611214.38	490934.89	3611214.38	6.65874	490973.12
3611214.38	491011.35	3611214.38	7.32839	491049.58
3611214.38	491126.04	3611214.38	7.17297	

491087.81	3611214.38	7.13267	491126.04
3611214.38	7.12810		
491164.27	3611214.38	6.70960	491202.50
3611214.38	6.22511		
491240.73	3611214.38	5.85060	491278.96
3611214.38	5.39890		
491317.19	3611214.38	5.20320	491355.42
3611214.38	4.78558		
491393.65	3611214.38	4.72574	491431.88
3611214.38	4.53977		
491470.11	3611214.38	4.06539	491508.34
3611214.38	3.93602		
491546.57	3611214.38	3.79477	491584.80
3611214.38	3.54678		
491623.03	3611214.38	3.32744	490858.43
3611268.86	6.46149		
490896.66	3611268.86	6.11209	490934.89
3611268.86	5.80628		
490973.12	3611268.86	6.12582	491011.35
3611268.86	6.28547		
491049.58	3611268.86	6.42927	491087.81
3611268.86	6.46229		
491126.04	3611268.86	6.42479	491164.27
3611268.86	6.09374		
491202.50	3611268.86	5.73153	491240.73
3611268.86	5.23433		
491278.96	3611268.86	4.73742	491317.19
3611268.86	4.72213		
491355.42	3611268.86	4.49130	491393.65
3611268.86	4.36328		
491431.88	3611268.86	4.10946	491470.11
3611268.86	3.86936		
491508.34	3611268.86	3.62508	491546.57
3611268.86	3.43721		
491584.80	3611268.86	3.16016	491623.03
3611268.86	2.86245		
490858.43	3611323.34	6.10920	490896.66
3611323.34	5.72079		
490934.89	3611323.34	5.39583	490973.12
3611323.34	5.65716		
491011.35	3611323.34	5.72291	491049.58
3611323.34	5.63743		
491087.81	3611323.34	5.80552	491126.04
3611323.34	5.81011		
491164.27	3611323.34	5.57509	491202.50
3611323.34	5.23526		

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: IDLE
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	4.83658	491278.96
3611323.34	4.44958		
491317.19	3611323.34	4.35177	491355.42
3611323.34	4.12996		
491393.65	3611323.34	3.95048	491431.88
3611323.34	3.63502		
491470.11	3611323.34	3.47435	491508.34
3611323.34	3.27757		
491546.57	3611323.34	3.03961	491584.80
3611323.34	2.80809		
491623.03	3611323.34	2.50664	491583.40
3608705.27	5.67615		
491577.37	3608727.37	5.86109	491573.36
3608753.50	5.97636		
491562.30	3608782.64	6.27990	491565.32
3608775.60	6.20161		
491547.23	3608819.81	6.48393	491545.22
3608840.91	6.60784		
491533.16	3608877.09	7.29668	491524.12
3608898.19	7.48163		
491522.11	3608915.27	7.58009	491520.10
3608925.32	7.63573		
491511.06	3608945.41	7.86617	491507.04
3608961.49	8.08541		
491499.00	3608982.59	8.26646	491498.00

3608992.64	8.33235		
491490.96	3609007.71	8.46100	491484.93
3609030.82	8.70263		
491478.91	3609048.91	8.90142	491470.87
3609072.02	9.08750		
491461.82	3609094.12	9.24909	491450.77
3609114.22	9.48895		
491449.77	3609129.29	9.60833	491443.74
3609145.37	9.75462		
491439.72	3609164.46	9.93038	491434.69
3609178.52	10.13198		
491424.65	3609198.62	10.40805	491418.62
3609216.71	10.56627		
491414.60	3609231.78	10.72921	491409.57
3609244.84	10.89476		
491398.52	3609273.98	11.29699	491397.52
3609289.05	11.45522		
491388.47	3609312.16	11.77867	491383.45
3609329.24	12.02978		
491377.42	3609354.36	12.34843	491374.41
3609371.44	12.52439		
491361.34	3609405.61	13.02885	491355.32
3609423.69	13.30365		
491340.24	3609470.92	14.09589	491324.17
3609526.18	15.08353		
491329.19	3609504.08	14.66278	491314.12
3609546.28	15.51826		
491302.06	3609575.42	16.11731	491296.03
3609594.51	16.55783		
491286.99	3609618.62	17.13280	491279.96
3609632.69	17.51561		
491274.93	3609648.77	17.94347	491269.91
3609666.85	18.34441		
491264.88	3609679.92	18.66778	491259.86
3609700.01	19.13581		
491269.76	3609874.49	22.30584	491098.46
3610169.21	48.51052		
491115.74	3610172.91	46.77912	491105.25
3610150.69	47.32635		
491109.57	3610134.65	45.96625	491108.33
3610125.39	45.24010		
491113.27	3610114.29	43.51298	491118.82
3610099.48	41.65353		
491122.52	3610087.75	40.45363	491127.46
3610070.47	39.11131		
491131.78	3610051.96	38.18292	491136.72
3610040.85	37.11160		
491138.57	3610034.07	36.43940	491139.80
3610021.73	35.11120		
491157.08	3610005.06	33.03408	491166.95

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3609998.89      31.92725
                491178.68      3609984.70      29.96004      491174.98
3609963.10      29.45964
                491184.23      3609965.57      28.75747      491176.21
3609942.12      28.44136
^ *** AERMOD - VERSION 22112 ***      *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***      ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

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*** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE      ***
                                INCLUDING SOURCE(S):      L0001253      , L0001254
, L0001255      , L0001256      , L0001257      ,
                L0001258      , L0001259      , L0001260      , L0001261      , L0001262
, L0001263      , L0001264      , L0001265      ,
                L0001266      , L0001267      , L0001268      , L0001269      , L0001270
, L0001271      , L0001272      , L0001273      ,
                L0001274      , L0001275      , L0001276      , L0001277      , L0001278
, L0001279      , L0001280      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
491184.23	3609944.59	27.96733	491179.91
3609920.53	27.38427		
491191.64	3609922.99	26.80223	491189.17
3609903.25	27.20440		
491198.42	3609906.95	26.28720	491194.72
3609882.27	26.23299		
491205.83	3609887.20	24.83731	491200.89
3609866.84	24.89529		
491205.83	3609849.56	24.70422	491212.62
3609864.99	24.21383		
491303.94	3609929.78	22.14546	491267.54
3609903.25	22.78411		
491277.41	3609879.18	22.03112	491324.31
3609896.46	20.62649		
491135.48	3610120.46	41.48536	491124.99
3610139.59	44.02306		

491130.55	3610141.44	43.39249	491142.89
3610145.14	42.12272		
491165.10	3610151.31	39.95924	491172.51
3610156.25	39.41772		
491183.00	3610155.01	38.26642	491190.40
3610158.72	37.67272		
491197.81	3610138.97	36.03392	491162.02
3610130.33	39.16104		
491150.91	3610113.67	39.38665	491164.49
3610115.52	38.10404		
491178.06	3610123.54	37.19780	491189.17
3610125.39	36.21949		
491197.81	3610126.63	35.47871	491158.93
3610084.05	36.97356		
491175.59	3610088.37	35.66148	491188.55
3610090.84	34.64906		
491202.13	3610096.39	33.76501	491252.11
3610069.86	28.62056		
491240.39	3610095.77	30.58817	491232.36
3610128.48	32.16583		
491220.02	3610152.55	34.34428	491213.85
3610179.70	35.97116		
491204.60	3610206.85	37.69079	491297.77
3610095.16	26.95156		
491316.29	3610102.56	25.67913	491271.24
3610169.21	30.48631		
491296.54	3610170.44	28.15932	491224.34
3609806.98	22.74960		
491232.36	3609786.00	21.80821	491240.39
3609769.96	21.19680		
491245.94	3609753.92	20.72137	491250.26
3609731.08	20.10036		
491255.20	3609716.89	19.59890	491354.41
3609557.94	14.96354		
491349.69	3609575.67	15.32737	491331.95
3609630.05	16.36208		
491310.67	3609696.25	17.89807	491301.22
3609737.63	18.84965		
491289.40	3609771.91	19.70688	491276.39
3609801.46	20.69167		
491310.67	3609805.01	19.20751	492077.18
3610785.74	4.14842		

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKLIFT ***
INCLUDING SOURCE(S): L0001523 , L0001524
, L0001525 , L0001526 , L0001527 ,
L0001528 , L0001529 , L0001530 , L0001531 , L0001532
, L0001533 , L0001534 , L0001535 ,
L0001536 , L0001537 , L0001538 , L0001539 , L0001540
, L0001541 , L0001505 , L0001506 ,
L0001507 , L0001508 , L0001509 , L0001510 , L0001511
, L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491029.88	490903.38	490928.68	490953.98	490979.28 491004.58
491055.18	491080.48	491105.78		

3610794.59	16.32722	16.50383	16.17212	15.86394	15.71335
15.25901	14.81340	14.64721	14.10117		
3610785.63	16.45756	16.81840	16.47857	16.32024	16.00038
15.67579	15.06970	14.89568	14.33637		
3610776.67	17.15192	17.50044	17.13647	16.79271	16.45173
15.95778	15.47674	15.15213	14.57924		
3610767.71	18.25436	19.98050	19.48681	17.87196	16.91828
16.24885	15.75242	15.41706	14.96232		
3610758.75	21.25519	22.45684	21.87541	19.66648	17.80163
16.70320	16.03733	15.69107	15.22446		
3610749.79	24.09686	23.72547	23.09347	21.72420	19.23052
17.01693	16.48157	15.97486	15.49631		
3610740.83	24.62655	24.39370	23.57473	22.15946	18.49717
17.34151	16.78956	16.26927	15.77871		
3610731.87	25.17762	25.08732	24.07337	22.60912	18.86259
17.83937	17.10907	16.57523	16.07254		
3610722.91	25.75155	25.64494	24.59015	23.07382	19.24071
18.19099	17.44112	16.89379	16.52118		
3610713.95	26.65560	26.89199	25.28847	23.55425	20.78768
19.11439	17.78692	17.37793	16.84308		
3610704.99	27.47173	27.50745	25.84768	24.05123	21.52193
19.50146	18.14782	17.72772	17.17919		
3610696.03	28.32297	29.61724	26.59569	25.12897	22.96661
21.00337	18.69055	18.09357	17.67902		
3610687.07	29.02253	30.30322	27.85802	25.96594	24.26123
21.73862	19.08906	18.47647	18.04816		
3610678.11	30.51793	31.01633	29.90110	26.53913	25.34084

22.19628	19.67756	19.03906	18.43327		
3610669.15	|	31.29846	31.75792	31.08131	27.30744 26.18003
23.64845	20.65306	19.62490	18.98998		
3610660.19	|	32.11438	33.07069	31.95923	27.93132 26.92536
24.16345	22.15930	20.54653	19.41032		
3610651.23	|	34.66702	33.88423	32.70677	29.41694 27.53348
25.53340	22.94887	21.00663	20.00675		
3610642.27	|	35.58465	34.16986	33.65149	31.45697 28.34045
26.68100	25.19854	22.43441	20.46292		
3610633.31	|	37.15689	35.04309	34.81901	32.68828 29.63970
27.29158	26.30144	23.21790	20.93584		
3610624.35	|	38.98079	36.53908	36.51694	33.63047 31.57813
28.23494	27.17946	24.63252	21.84565		
3610615.39		42.01794	38.28010	37.95282	34.44271 32.31439
28.90293	27.79585	25.94777	23.17877		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 110

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)
(METERS)	|	491131.08	491156.38	491181.68	491206.98 491232.28
491257.58	491282.88	491308.18	491333.48		

3610794.59	|	13.70502	13.08965	12.50132	12.16209 11.62594
11.12166	10.75062	10.50007	10.26214		
3610785.63	|	13.92974	13.41990	12.70124	12.35603 11.81235
11.40751	11.02803	10.67045	10.42724		

3610776.67	|	14.16198	13.64066	12.90878	12.67103	12.11678
11.70317		11.21052	10.84613	10.59673		
3610767.71	|	14.40237	13.86961	13.24391	12.88277	12.32034
11.90040		11.50470	11.12943	10.77042		
3610758.75	|	14.65162	14.10744	13.47036	13.21912	12.53196
12.21472		11.70100	11.42041	10.94812		
3610749.79	|	14.91047	14.48042	13.82849	13.45037	12.75169
12.42783		11.90313	11.61410	11.12967		
3610740.83	|	15.17972	14.74005	14.07612	13.69087	13.09633
12.76057		12.22107	11.81238	11.41889		
3610731.87	|	15.59472	15.13927	14.45938	13.94068	13.45197
12.98906		12.43598	12.01505	11.71432		
3610722.91	|	15.88929	15.42324	14.85618	14.19978	13.69942
13.33970		12.65613	12.22196	12.01581		
3610713.95	|	16.19650	15.85109	15.13917	14.59265	14.07556
13.58287		12.99624	12.43293	12.21607		
3610704.99	|	16.65744	16.16107	15.56232	14.99766	14.46216
13.83216		13.34410	12.64775	12.41942		
3610696.03	|	16.99378	16.48327	15.99916	15.28809	14.85901
14.08734		13.69944	12.86622	12.62564		
3610687.07	|	17.34399	16.95541	16.44975	15.71591	15.26585
14.34818		14.06201	13.08810	12.83451		
3610678.11	|	17.85494	17.30435	16.78140	16.15523	15.43229
14.61438		14.07223	13.43169	13.15940		
3610669.15	|	18.23570	17.80664	17.25818	16.60586	15.59998
14.75822		14.19955	13.78107	13.48904		
3610660.19	|	18.78114	18.18236	17.61262	17.06757	15.63472
15.03205		14.32566	14.01521	13.82313		
3610651.23	|	19.19282	18.57025	17.97705	17.40825	16.07273
15.44167		14.70746	14.37414	14.27630		
3610642.27	|	19.61878	18.82179	18.20957	17.62107	16.38232
15.85819		15.09507	14.86008	14.61873		
3610633.31	|	20.21595	19.07851	18.44507	17.97353	16.83572
16.28106		15.48803	15.22871	15.07909		
3610624.35	|	20.67304	19.33967	18.83167	18.33190	17.29628
16.70962		16.01575	15.60102	15.42763		
3610615.39		21.30473	19.92407	19.22569	18.55201	17.76313
17.14317		16.41843	15.85241	15.66293		

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,

, L0001533 , L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001541 , L0001534 , L0001535 ,
 , L0001541 , L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001512 , L0001505 , L0001506 ,
 , L0001512 , L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491358.78	491384.08	491409.38
3610794.59	9.38218	8.99940	8.89600
3610785.63	9.53136	9.32350	9.20974
3610776.67	9.87637	9.65598	9.53088
3610767.71	10.23034	9.90178	9.85890
3610758.75	10.69077	10.24869	10.10122
3610749.79	11.06115	10.50619	10.44124
3610740.83	11.23953	10.76853	10.78659
3610731.87	11.42083	10.93658	11.13684
3610722.91	11.60489	11.20716	11.49124
3610713.95	11.89570	11.48210	11.75577
3610704.99	12.19131	11.76120	11.92872
3610696.03	12.59659	11.94116	12.10299
3610687.07	12.90171	12.33084	12.37558
3610678.11	13.21072	12.92899	12.74727
3610669.15	13.52337	13.52374	13.21513
3610660.19	13.73213	14.11039	13.58813
3610651.23	14.15849	14.40937	13.86907
3610642.27	14.58684	14.61555	14.24178
3610633.31	14.91077	14.91717	14.52310
3610624.35	15.34088	15.21896	14.80368
3610615.39	15.76939	15.52014	15.08274

*** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524

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, L0001525      , L0001526      , L0001527      ,
                  L0001528      , L0001529      , L0001530      , L0001531      , L0001532
, L0001533      , L0001534      , L0001535      ,
                  L0001536      , L0001537      , L0001538      , L0001539      , L0001540
, L0001541      , L0001505      , L0001506      ,
                  L0001507      , L0001508      , L0001509      , L0001510      , L0001511
, L0001512      , L0001513      , . . .

```

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
	490964.36	490985.16	491005.96	491026.76 491047.56
491068.36	491089.16	491109.96	491130.76	

```

-----
-----
3610597.95 |      38.49536      35.56240      33.75257      30.61719      29.10819
28.44951   | 27.24770      25.15674      23.62713
3610584.74 |      38.79945      37.08875      35.65213      31.93154      30.45841
29.58380   | 28.13513      25.95620      24.37154
3610571.53 |      40.16886      38.70752      37.13964      34.84822      31.73346
30.59419   | 29.05359      26.77869      25.89449
3610558.32 |      42.04190      40.56995      38.52242      36.56323      33.06392
31.81718   | 30.29665      28.90657      26.66207
3610545.11 |      44.18875      42.91624      39.96968      37.85908      35.80898
32.89695   | 31.61103      30.22916      28.65323
3610531.90 |      47.22593      44.93688      41.80271      39.38823      37.44126
34.53088   | 33.08683      31.27604      29.71415
3610518.69 |      49.85034      46.69026      44.04394      41.26797      39.02685
35.62965   | 34.06755      32.60402      30.49650
3610505.48 |      52.50988      48.73759      45.95717      43.81745      40.55890
37.57450   | 35.82443      34.19739      31.43287
3610492.27 |      54.07817      50.34458      47.56608      45.22982      41.49442
38.64803   | 36.77445      35.04190      32.35452
3610479.06 |      55.80851      51.84322      49.40755      46.62934      42.70554
39.70006   | 37.70198      35.86330      33.49498
3610465.85 |      58.44703      54.52820      51.59232      48.00141      44.18988
41.31128   | 38.96466      36.99243      35.17965
3610452.64 |      61.48893      57.38722      53.88924      49.52927      46.43356
42.77691   | 40.00739      37.91656      36.15737
3610439.43 |      64.41666      59.74623      55.76155      50.81630      47.90305
44.55479   | 41.00690      38.62617      37.01223
3610426.22 |      66.87147      61.12710      56.71553      52.24056      49.13451
45.65982   | 41.77135      39.28250      38.04495
3610413.01 |      69.05437      62.36907      57.28627      53.39536      50.12068
46.67192   | 42.74306      40.05594      38.56244

```

3610399.80	|	71.83273	64.52030	58.32643	54.46028	51.02370
47.43043		43.90079	40.84330	39.02013		
3610386.59	|	74.13693	66.49161	59.23133	55.41856	51.82931
48.10057		44.72791	41.80740	39.41433		
3610373.38	|	76.03323	68.18686	60.70624	56.46015	52.52251
48.67107		45.40770	42.45323	39.98061		
3610360.17	|	77.51193	69.90658	62.42755	57.55456	53.08911
49.31610		45.96115	42.96219	40.42417		
3610346.96	|	78.66981	71.13971	63.68719	58.09296	53.32271
49.84132		46.41233	43.35383	40.91159		
3610333.75		79.53785	71.88100	64.16613	58.05268	53.60724
50.06708		46.59135	43.49676	41.02745		

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 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	|	X-COORD (METERS)				
	|	491151.56	491172.36	491193.16	491213.96	491234.76
491255.56		491276.36	491297.16	491317.96		

3610597.95	|	21.39209	20.39130	19.43079	18.95970	18.49856
18.04866		17.34943	16.80748	16.40924		
3610584.74	|	22.41028	21.34126	20.31791	19.78983	19.41625
18.64333		18.03628	17.32523	16.76897		
3610571.53	|	24.11867	22.30542	21.21577	20.62754	20.33567
19.37658		18.72359	17.84123	17.12156		
3610558.32	|	25.06876	23.44561	22.12056	21.32172	21.11803

19.97370	19.27676	18.35176	17.46357			
3610545.11	|	27.12799	24.69031	23.02789	22.16470	21.89777
20.70151	19.95323	18.85289	18.05356			
3610531.90	|	28.29582	26.17425	23.93609	22.85509	22.86614
21.41860	20.48730	19.47188	18.62919			
3610518.69	|	29.26131	27.43071	25.27671	24.18648	23.35283
22.73445	21.38672	20.19989	19.18670			
3610505.48	|	30.10949	28.47268	26.95186	25.40754	24.00852
24.51657	22.34538	21.02013	19.84569			
3610492.27	|	30.94117	29.32579	27.87553	26.40021	24.91095
25.02087	23.09574	21.73146	20.35513			
3610479.06	|	31.59235	29.89880	28.62143	27.20732	25.77845
25.38031	23.81319	22.54867	21.22910			
3610465.85	|	32.58426	30.74748	29.24378	27.98486	26.47358
25.70881	24.38277	23.17239	21.61284			
3610452.64	|	33.79484	31.59703	29.82857	28.50633	27.14493
25.87839	24.63967	23.65974	22.16448			
3610439.43	|	34.62137	32.66133	30.54748	28.85086	27.57506
26.13651	25.04500	24.02616	22.67350			
3610426.22	|	35.26421	33.35510	31.48354	29.45741	28.12307
26.35970	25.48038	24.31058	23.06216			
3610413.01	|	35.85584	33.87716	31.80311	29.72081	28.35037
26.67974	25.90611	24.56761	23.34364			
3610399.80	|	36.90938	34.35013	32.34216	30.76986	29.32187
26.96706	26.53789	24.93326	23.44123			
3610386.59	|	37.63580	34.84130	32.85554	31.23147	29.61681
27.90637	26.66003	25.02656	23.51444			
3610373.38	|	38.05475	35.71071	33.24877	31.58408	29.75124
28.24328	26.96750	25.58351	23.78948			
3610360.17	|	38.41032	36.18595	34.00968	31.70444	29.84932
28.44359	27.03516	25.84319	24.73840			
3610346.96	|	38.70032	36.44369	34.39335	32.18692	29.91231
28.61193	27.07649	25.98312	24.86590			
3610333.75		38.79469	36.76669	34.69327	32.57412	30.25409
28.51815	26.31799	25.67490	24.57076			

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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540

, L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491338.76	491359.56	491380.36	X-COORD (METERS)
---------------------	-----------	-----------	-----------	------------------

3610597.95	16.25287	16.49084	16.27139
3610584.74	16.59041	16.81415	16.57260
3610571.53	16.91934	17.12784	16.86353
3610558.32	17.35676	17.32370	17.04480
3610545.11	17.66186	17.38832	17.20707
3610531.90	18.19377	17.87796	17.45278
3610518.69	18.70716	21.06548	18.91308
3610505.48	19.16985	22.72210	20.06273
3610492.27	19.43584	22.41115	19.62427
3610479.06	19.64666	20.87404	18.56445
3610465.85	20.07074	19.95431	18.38309
3610452.64	20.47357	20.10950	18.38636
3610439.43	21.16187	19.86373	18.36176
3610426.22	21.62738	19.96051	18.06029
3610413.01	22.04019	19.79021	17.57959
3610399.80	22.12249	19.71525	18.13149
3610386.59	22.18219	19.61399	18.52303
3610373.38	22.21989	19.61662	18.64222
3610360.17	22.62180	19.60212	18.62225
3610346.96	22.62391	19.57341	18.59031
3610333.75	21.88843	19.66248	18.67536

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,

, L0001541 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	|				X-COORD (METERS)	
	|	491360.32	491376.93	491393.54	491410.15	491426.76
491443.37	|	491459.98	491476.59	491493.20		

3610184.45	|	21.43247	20.20243	18.67967	18.50954	17.52268
16.37745	|	15.21849	14.29481	13.62365		
3610142.84	|	21.86568	20.42343	19.43229	18.21864	17.73394
16.94489	|	15.72437	14.74416	13.56060		
3610101.23	|	21.32029	20.38239	18.97865	17.30421	16.47866
16.46369	|	15.48954	14.55217	13.51786		
3610059.62	|	19.56079	19.06682	18.50423	17.60498	16.52168
15.39119	|	15.27109	14.63715	13.95871		
3610018.01	|	18.72681	18.28691	17.77540	17.00426	15.94258
15.06478	|	14.34960	13.87948	13.51700		
3609976.40	|	17.84201	17.45407	17.07774	16.57998	15.30079
14.22045	|	13.58398	13.24772	12.92152		
3609934.79	|	16.59456	16.26765	15.58275	15.29126	14.47770
13.57263	|	13.16216	12.76398	12.46736		
3609893.18	|	16.66685	16.33300	15.75690	15.30680	14.31543
13.55778	|	12.62927	12.26037	11.90304		
3609851.57	|	16.77548	15.62416	14.91128	14.63352	14.23937
13.42580	|	12.32607	11.93290	11.67580		
3609809.96	|	16.71473	15.53804	14.37786	14.17589	13.84507
13.52864	|	12.95558	12.42875	11.78084		
3609768.35	|	16.40726	15.80260	14.98325	14.57388	14.29237
13.84878	|	12.85004	12.45169	12.24236		
3609726.74	|	15.94006	15.57639	15.17390	14.67644	13.91590
13.60343	|	13.30079	12.89812	12.03351		
3609685.13	|	15.50244	15.17009	14.80196	14.32231	13.93348
13.32913	|	13.08894	12.73813	12.46720		
3609643.52	|	14.89589	14.70828	14.44693	14.03892	13.75113
13.50854	|	13.19197	12.89654	12.56152		
3609601.91	|	14.46321	14.21669	13.94070	13.67001	13.43946
13.17914	|	12.88820	12.60068	12.29289		
3609560.30	|	14.01003	13.71543	13.49048	13.26997	12.98994
12.71327	|	12.44005	12.17024	11.80650		
3609518.69	|	13.54889	13.27500	13.00271	12.73253	12.49886

12.26956	12.01056	11.73110	10.99528		
3609477.08	13.18544	12.88353	12.60291	12.38146	12.16272
11.91609	11.63889	11.37317	10.76663		
3609435.47	12.73256	12.52568	12.29644	12.09286	11.83772
11.54994	11.38027	11.15330	10.92823		
3609393.86	12.31833	12.14811	11.95973	11.75106	11.51776
11.30702	11.17321	10.93919	10.70275		
3609352.25	12.00728	11.81363	11.60439	11.43247	11.24228
11.02959	10.83712	10.64390	10.47540		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)					X-COORD (METERS)	
491592.86	491609.47	491626.08	491642.69	491509.81	491526.42	491543.03

3610184.45	13.41146	13.10158	12.60358	11.92764	11.27847
10.65656	10.34546	10.04705	9.49410		
3610142.84	13.56459	13.25878	12.47577	11.81561	11.37504
10.95249	10.45418	9.88633	9.43255		
3610101.23	13.22578	12.84463	12.66956	11.93544	11.31717
10.81465	10.42326	10.04717	9.51093		
3610059.62	13.00477	12.45343	12.30203	11.78408	11.28296
10.89001	10.51113	10.05800	9.27628		
3610018.01	12.98389	12.37283	11.77640	11.47267	11.08862
10.71701	10.44434	10.09527	9.42073		

3609976.40	|	12.60486	12.03038	11.37767	11.18993	11.00527
10.65534		10.31559	10.06813	9.90747		
3609934.79	|	12.09162	11.72659	11.37190	11.11162	10.85811
10.61117		10.37063	10.13626	9.90784		
3609893.18	|	11.72661	11.47118	11.14128	10.90050	10.66569
10.35922		10.21291	9.99456	9.85372		
3609851.57	|	11.42822	11.26657	10.95739	10.80712	10.58691
10.37227		10.02072	9.74752	9.55077		
3609809.96	|	11.25496	11.09360	10.93808	10.78760	10.40206
10.13197		9.80194	9.47915	9.23062		
3609768.35	|	11.84592	11.65913	11.66294	11.04529	10.19302
9.76536		9.51337	9.26991	8.83950		
3609726.74	|	11.82932	11.57888	11.24043	10.88904	10.47300
9.66282		9.25601	8.95390	8.66134		
3609685.13	|	12.25014	11.84839	11.01792	10.69625	9.84119
9.17272		8.86253	8.62375	8.33363		
3609643.52	|	12.02943	11.63186	10.68316	9.95726	9.45166
9.03769		8.64282	8.34461	8.05595		
3609601.91	|	11.50652	10.76804	10.37012	9.90914	9.27363
9.04717		8.45681	8.16357	7.93586		
3609560.30	|	11.18509	10.79841	10.11238	9.77925	9.25930
8.54581		8.28598	8.05805	7.83555		
3609518.69	|	10.79163	10.59241	9.97219	9.49318	8.99666
8.63917		8.19583	7.84585	7.57928		
3609477.08	|	10.49752	10.26893	9.51347	9.29275	8.94497
8.82319		8.28392	7.86600	7.58799		
3609435.47	|	10.18777	10.00496	9.86307	9.57324	8.98499
8.57384		8.59285	8.47930	7.77807		
3609393.86	|	10.41380	9.86523	9.62358	9.45516	8.87948
8.46855		8.04207	7.66611	7.23827		
3609352.25		10.28222	9.98598	9.29907	9.17174	9.04666
8.35444		8.01532	7.53663	7.44307		

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 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
	491659.30	491675.91	491692.52

3610184.45	9.22647	9.05329	8.55991
3610142.84	9.17085	9.00261	8.75807
3610101.23	9.16849	8.92281	8.68587
3610059.62	8.78163	8.55382	8.65250
3610018.01	9.01872	8.71272	8.73277
3609976.40	9.74969	9.44288	9.22026
3609934.79	9.61045	9.39480	9.03940
3609893.18	9.57332	9.29996	9.10281
3609851.57	9.28925	9.03381	8.78421
3609809.96	8.98767	8.75003	8.51751
3609768.35	8.61173	8.45429	8.23736
3609726.74	8.37739	8.10135	7.89489
3609685.13	7.99159	7.65843	7.51783
3609643.52	7.77648	7.56522	7.30349
3609601.91	7.71578	7.44675	7.24230
3609560.30	7.61904	7.40870	7.25827
3609518.69	7.42488	7.37812	7.07479
3609477.08	7.38914	7.24393	7.10147
3609435.47	7.29443	7.01162	7.02064
3609393.86	7.05748	6.92663	6.75221
3609352.25	6.92392	6.61640	6.53978

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*** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511

, L0001512 , L0001513 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	37.16834	491278.96
3610288.22	26.82769		
491317.19	3610288.22	23.91067	491355.42
3610288.22	21.49719		
491393.65	3610342.70	18.00589	491431.88
3610342.70	16.24580		
491470.11	3610342.70	14.96514	491508.34
3610342.70	13.69328		
491546.57	3610342.70	12.52272	491584.80
3610342.70	10.95276		
491623.03	3610342.70	10.00868	491508.34
3610397.18	13.06541		
491546.57	3610397.18	11.92613	491584.80
3610397.18	11.00449		
491623.03	3610397.18	10.13650	491508.34
3610451.66	12.91905		
491546.57	3610451.66	11.89202	491584.80
3610451.66	11.20098		
491623.03	3610451.66	10.27375	491508.34
3610506.14	13.33138		
491546.57	3610506.14	12.16151	491584.80
3610506.14	11.41263		
491623.03	3610506.14	10.46550	491508.34
3610560.62	12.83202		
491546.57	3610560.62	11.89834	491584.80
3610560.62	11.15293		
491623.03	3610560.62	10.43723	491087.81
3610615.10	24.91595		
491126.04	3610615.10	21.93466	491508.34
3610615.10	11.79835		
491546.57	3610615.10	11.37495	491584.80
3610615.10	10.55975		
491623.03	3610615.10	9.70067	491087.81
3610669.58	19.39969		
491126.04	3610669.58	18.39396	491508.34
3610669.58	10.91478		
491546.57	3610669.58	10.74722	491584.80
3610669.58	10.16811		

491623.03	3610669.58	9.74370	491546.57
3610724.06	9.57369		
491584.80	3610724.06	8.82900	491623.03
3610724.06	8.39277		
491546.57	3610778.54	8.98943	491584.80
3610778.54	8.67287		
491623.03	3610778.54	7.62211	490934.89
3610833.02	14.70166		
490973.12	3610833.02	14.51476	491011.35
3610833.02	13.99948		
491049.58	3610833.02	13.35978	491087.81
3610833.02	13.17399		
491126.04	3610833.02	12.67810	491164.27
3610833.02	11.99012		
491202.50	3610833.02	11.26400	491240.73
3610833.02	10.60052		
491278.96	3610833.02	10.02801	491317.19
3610833.02	9.66446		
491355.42	3610833.02	9.06223	491393.65
3610833.02	8.52490		
491431.88	3610833.02	8.26717	491470.11
3610833.02	8.19815		
491508.34	3610833.02	7.69147	491546.57
3610833.02	7.58193		
491584.80	3610833.02	7.78242	491623.03
3610833.02	7.18335		
490934.89	3610887.50	12.69634	490973.12
3610887.50	12.41453		
491011.35	3610887.50	12.17368	491049.58
3610887.50	11.62354		
491087.81	3610887.50	11.18674	491126.04
3610887.50	11.45546		
491164.27	3610887.50	10.89038	491202.50
3610887.50	10.13219		
491240.73	3610887.50	9.41090	491278.96
3610887.50	8.95474		
491317.19	3610887.50	8.61363	491355.42
3610887.50	8.04987		
491393.65	3610887.50	7.48455	491431.88
3610887.50	7.52950		
491470.11	3610887.50	7.15804	491508.34
3610887.50	6.90102		

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*** AERMET - VERSION 22112 *** ***
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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
, L0001525 , L0001526 , L0001527 ,
L0001528 , L0001529 , L0001530 , L0001531 , L0001532
, L0001533 , L0001534 , L0001535 ,
L0001536 , L0001537 , L0001538 , L0001539 , L0001540
, L0001541 , L0001505 , L0001506 ,
L0001507 , L0001508 , L0001509 , L0001510 , L0001511
, L0001512 , L0001513 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
491546.57	3610887.50	6.61875	491584.80
3610887.50	6.47374		
491623.03	3610887.50	6.31759	490858.43
3610941.98	11.89892		
490896.66	3610941.98	11.22956	490934.89
3610941.98	10.61090		
490973.12	3610941.98	10.29988	491011.35
3610941.98	10.11814		
491049.58	3610941.98	10.56543	491087.81
3610941.98	10.50649		
491126.04	3610941.98	10.35042	491164.27
3610941.98	9.80573		
491202.50	3610941.98	9.19252	491240.73
3610941.98	8.06410		
491278.96	3610941.98	8.02140	491317.19
3610941.98	7.73221		
491355.42	3610941.98	7.47835	491393.65
3610941.98	7.06960		
491431.88	3610941.98	6.74481	491470.11
3610941.98	6.31388		
491508.34	3610941.98	6.07517	491546.57
3610941.98	5.97286		
491584.80	3610941.98	5.81385	491623.03
3610941.98	5.68964		
490858.43	3610996.46	10.54228	490896.66
3610996.46	9.88610		
490934.89	3610996.46	9.31959	490973.12
3610996.46	8.54652		
491011.35	3610996.46	9.31436	491049.58

3610996.46	9.41057		
491087.81	3610996.46	9.59140	491126.04
3610996.46	9.27953		
491164.27	3610996.46	8.72551	491202.50
3610996.46	8.06430		
491240.73	3610996.46	7.53097	491278.96
3610996.46	7.32445		
491317.19	3610996.46	7.09326	491355.42
3610996.46	6.84215		
491393.65	3610996.46	6.43262	491431.88
3610996.46	6.02935		
491470.11	3610996.46	5.77430	491508.34
3610996.46	5.44622		
491546.57	3610996.46	5.44756	491584.80
3610996.46	5.18118		
491623.03	3610996.46	5.26023	490858.43
3611050.94	8.95753		
490896.66	3611050.94	7.93268	490934.89
3611050.94	7.77156		
490973.12	3611050.94	7.94412	491011.35
3611050.94	7.69348		
491049.58	3611050.94	8.38032	491087.81
3611050.94	8.61348		
491126.04	3611050.94	8.39289	491164.27
3611050.94	7.85902		
491202.50	3611050.94	7.51290	491240.73
3611050.94	7.18850		
491278.96	3611050.94	6.64231	491317.19
3611050.94	6.28220		
491355.42	3611050.94	6.00632	491393.65
3611050.94	5.81225		
491431.88	3611050.94	5.54185	491470.11
3611050.94	5.09424		
491508.34	3611050.94	4.93590	491546.57
3611050.94	4.77988		
491584.80	3611050.94	4.78167	491623.03
3611050.94	4.65399		
490858.43	3611105.42	8.01740	490896.66
3611105.42	7.37961		
490934.89	3611105.42	7.16695	490973.12
3611105.42	6.87713		
491011.35	3611105.42	7.03651	491049.58
3611105.42	8.02402		
491087.81	3611105.42	7.83917	491126.04
3611105.42	7.53096		
491164.27	3611105.42	7.37567	491202.50
3611105.42	7.03761		
491240.73	3611105.42	6.75569	491278.96
3611105.42	6.26565		
491317.19	3611105.42	5.82814	491355.42

3611105.42 5.55101
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 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
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 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	5.23249	491431.88
3611105.42	4.87894		
491470.11	3611105.42	4.77074	491508.34
3611105.42	4.33639		
491546.57	3611105.42	4.30279	491584.80
3611105.42	4.35804		
491623.03	3611105.42	4.06051	490858.43
3611159.90	7.32425		
490896.66	3611159.90	6.80945	490934.89
3611159.90	6.46494		
490973.12	3611159.90	6.50041	491011.35
3611159.90	6.78516		
491049.58	3611159.90	7.22713	491087.81
3611159.90	6.99690		
491126.04	3611159.90	6.89258	491164.27
3611159.90	6.76924		
491202.50	3611159.90	6.29909	491240.73
3611159.90	5.91033		
491278.96	3611159.90	5.67066	491317.19
3611159.90	5.39337		

491355.42	3611159.90	5.06199	491393.65
3611159.90	4.78913		
491431.88	3611159.90	4.48195	491470.11
3611159.90	4.16759		
491508.34	3611159.90	3.93257	491546.57
3611159.90	3.90272		
491584.80	3611159.90	3.85358	491623.03
3611159.90	3.56620		
490858.43	3611214.38	6.49226	490896.66
3611214.38	6.05825		
490934.89	3611214.38	5.95335	490973.12
3611214.38	5.90848		
491011.35	3611214.38	6.61288	491049.58
3611214.38	6.49886		
491087.81	3611214.38	6.47080	491126.04
3611214.38	6.46749		
491164.27	3611214.38	6.09569	491202.50
3611214.38	5.67688		
491240.73	3611214.38	5.35587	491278.96
3611214.38	4.95430		
491317.19	3611214.38	4.77809	491355.42
3611214.38	4.39957		
491393.65	3611214.38	4.34304	491431.88
3611214.38	4.17553		
491470.11	3611214.38	3.75364	491508.34
3611214.38	3.63462		
491546.57	3611214.38	3.50215	491584.80
3611214.38	3.25035		
491623.03	3611214.38	3.02965	490858.43
3611268.86	5.80691		
490896.66	3611268.86	5.48259	490934.89
3611268.86	5.20867		
490973.12	3611268.86	5.50160	491011.35
3611268.86	5.67137		
491049.58	3611268.86	5.83118	491087.81
3611268.86	5.87705		
491126.04	3611268.86	5.84930	491164.27
3611268.86	5.55025		
491202.50	3611268.86	5.22910	491240.73
3611268.86	4.79442		
491278.96	3611268.86	4.35966	491317.19
3611268.86	4.35103		
491355.42	3611268.86	4.14213	491393.65
3611268.86	4.02377		
491431.88	3611268.86	3.79526	491470.11
3611268.86	3.57600		
491508.34	3611268.86	3.34361	491546.57
3611268.86	3.15658		
491584.80	3611268.86	2.87267	491623.03
3611268.86	2.60548		

490858.43	3611323.34	5.50905	490896.66
3611323.34	5.15055		
490934.89	3611323.34	4.85515	490973.12
3611323.34	5.09059		
491011.35	3611323.34	5.16251	491049.58
3611323.34	5.11298		
491087.81	3611323.34	5.28665	491126.04
3611323.34	5.30160		
491164.27	3611323.34	5.09230	491202.50
3611323.34	4.78524		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
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 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	4.43130	491278.96
3611323.34	4.09539		
491317.19	3611323.34	4.01785	491355.42
3611323.34	3.82243		
491393.65	3611323.34	3.66082	491431.88
3611323.34	3.37110		
491470.11	3611323.34	3.20982	491508.34
3611323.34	3.00632		
491546.57	3611323.34	2.75934	491584.80
3611323.34	2.55356		
491623.03	3611323.34	2.27358	491583.40

3608705.27	5.14901		
491577.37	3608727.37	5.24466	491573.36
3608753.50	5.33178		
491562.30	3608782.64	5.78900	491565.32
3608775.60	5.61750		
491547.23	3608819.81	5.99625	491545.22
3608840.91	6.18175		
491533.16	3608877.09	6.94147	491524.12
3608898.19	7.37771		
491522.11	3608915.27	7.46759	491520.10
3608925.32	7.50245		
491511.06	3608945.41	7.70150	491507.04
3608961.49	7.84105		
491499.00	3608982.59	8.00972	491498.00
3608992.64	8.06768		
491490.96	3609007.71	8.18632	491484.93
3609030.82	8.41529		
491478.91	3609048.91	8.60463	491470.87
3609072.02	8.77067		
491461.82	3609094.12	8.91049	491450.77
3609114.22	9.13626		
491449.77	3609129.29	9.24294	491443.74
3609145.37	9.37471		
491439.72	3609164.46	9.53589	491434.69
3609178.52	9.73100		
491424.65	3609198.62	9.99312	491418.62
3609216.71	10.13353		
491414.60	3609231.78	10.28611	491409.57
3609244.84	10.44205		
491398.52	3609273.98	10.82470	491397.52
3609289.05	10.97714		
491388.47	3609312.16	11.28124	491383.45
3609329.24	11.52119		
491377.42	3609354.36	11.81582	491374.41
3609371.44	11.96917		
491361.34	3609405.61	12.42053	491355.32
3609423.69	12.66433		
491340.24	3609470.92	13.36663	491324.17
3609526.18	14.23691		
491329.19	3609504.08	13.86039	491314.12
3609546.28	14.62303		
491302.06	3609575.42	15.15192	491296.03
3609594.51	15.55136		
491286.99	3609618.62	16.06890	491279.96
3609632.69	16.41298		
491274.93	3609648.77	16.80159	491269.91
3609666.85	17.15337		
491264.88	3609679.92	17.43609	491259.86
3609700.01	17.84351		
491269.76	3609874.49	20.48002	491098.46

3610169.21	41.78057			
	491115.74	3610172.91	40.43373	491105.25
3610150.69	41.03313			
	491109.57	3610134.65	40.05015	491108.33
3610125.39	39.44977			
	491113.27	3610114.29	38.03252	491118.82
3610099.48	36.52967			
	491122.52	3610087.75	35.57307	491127.46
3610070.47	34.53848			
	491131.78	3610051.96	34.01389	491136.72
3610040.85	33.14099			
	491138.57	3610034.07	32.45688	491139.80
3610021.73	31.29973			
	491157.08	3610005.06	29.57864	491166.95
3609998.89	28.63169			
	491178.68	3609984.70	26.92095	491174.98
3609963.10	26.56460			
	491184.23	3609965.57	25.92174	491176.21
3609942.12	25.74075			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	25.30139	491179.91
3609920.53	24.88089		

491191.64	3609922.99	24.34763	491189.17
3609903.25	24.85185		
491198.42	3609906.95	23.96819	491194.72
3609882.27	24.03245		
491205.83	3609887.20	22.81323	491200.89
3609866.84	22.82700		
491205.83	3609849.56	22.73068	491212.62
3609864.99	22.21155		
491303.94	3609929.78	20.39860	491267.54
3609903.25	21.02117		
491277.41	3609879.18	20.28285	491324.31
3609896.46	19.01474		
491135.48	3610120.46	36.35501	491124.99
3610139.59	38.38839		
491130.55	3610141.44	37.85744	491142.89
3610145.14	36.79968		
491165.10	3610151.31	34.99381	491172.51
3610156.25	34.52935		
491183.00	3610155.01	33.57702	491190.40
3610158.72	33.06863		
491197.81	3610138.97	31.75667	491162.02
3610130.33	34.39675		
491150.91	3610113.67	34.63394	491164.49
3610115.52	33.55992		
491178.06	3610123.54	32.78053	491189.17
3610125.39	31.95421		
491197.81	3610126.63	31.32787	491158.93
3610084.05	32.70839		
491175.59	3610088.37	31.59026	491188.55
3610090.84	30.72999		
491202.13	3610096.39	29.96890	491252.11
3610069.86	25.76942		
491240.39	3610095.77	27.31408	491232.36
3610128.48	28.59389		
491220.02	3610152.55	30.27214	491213.85
3610179.70	31.55795		
491204.60	3610206.85	32.88600	491297.77
3610095.16	24.25668		
491316.29	3610102.56	22.90240	491271.24
3610169.21	27.13028		
491296.54	3610170.44	24.86132	491224.34
3609806.98	21.03617		
491232.36	3609786.00	20.19584	491240.39
3609769.96	19.66029		
491245.94	3609753.92	19.24865	491250.26
3609731.08	18.70405		
491255.20	3609716.89	18.25213	491354.41
3609557.94	14.09839		
491349.69	3609575.67	14.43087	491331.95
3609630.05	15.34339		

491310.67	3609696.25	16.71791	491301.22
3609737.63	17.56792		
491289.40	3609771.91	18.31368	491276.39
3609801.46	19.17598		
491310.67	3609805.01	18.01019	492077.18
3610785.74	3.76090		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TRUS INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491029.88	490903.38	490928.68	490953.98	490979.28 491004.58
491055.18	491080.48	491105.78		

3610794.59	12.08721	12.18722	11.98874	11.81740	11.74906
11.48969	11.22322	11.12264	10.77660		
3610785.63	12.16124	12.37503	12.17595	12.09981	11.93052
11.75226	11.38723	11.28308	10.93211		
3610776.67	12.57673	12.78151	12.57366	12.39039	12.21130
11.93073	11.64525	11.44903	11.09306		
3610767.71	13.22801	13.30420	13.08265	12.78716	12.49952
12.11438	11.82108	11.62081	11.34383		
3610758.75	13.88988	13.83723	13.60097	13.19299	12.79542
12.39711	12.00283	11.79866	11.51705		
3610749.79	14.45127	14.27657	14.02917	13.60805	13.09932
12.59378	12.28287	11.98273	11.69576		
3610740.83	14.69358	14.62384	14.26889	13.83789	13.21778

12.79694	12.47892	12.17311	11.87980		
3610731.87	| 14.94515	15.64811	14.51731	14.07521	13.43902
13.10386	12.68187	12.36974	12.06895		
3610722.91	| 15.20677	15.92585	14.77478	14.32032	13.66751
13.32268	12.89186	12.57251	12.35264		
3610713.95	| 15.59568	16.70267	15.14662	14.57357	14.00575
13.64795	13.10895	12.87495	12.55270		
3610704.99	| 15.99935	17.01001	15.42485	14.83530	14.35435
13.88381	13.33308	13.09080	12.75734		
3610696.03	| 17.16778	17.71521	16.48877	15.21151	14.71354
14.22851	13.66384	13.31217	13.05907		
3610687.07	| 17.49982	18.05129	17.27787	15.59912	15.08353
14.58342	13.90315	13.53888	13.27432		
3610678.11	| 18.39779	18.39968	17.97679	15.89185	15.46452
14.84670	14.25074	13.86931	13.49465		
3610669.15	| 18.76881	18.76076	18.85760	16.30299	15.85672
15.22122	14.60661	14.20687	13.81598		
3610660.19	| 19.15499	19.71579	19.65858	16.61756	16.26032
15.50194	14.97056	14.55174	14.04972		
3610651.23	| 20.00047	20.11164	20.03904	18.19513	16.57026
15.89534	15.34263	14.80550	14.38767		
3610642.27	| 20.42478	19.92375	21.18255	18.91987	17.62685
16.29799	15.82405	15.16669	14.63873		
3610633.31	| 21.51436	20.33921	21.92827	19.82204	18.42235
16.60475	16.21270	15.53754	14.89956		
3610624.35	| 23.76584	21.38522	22.65983	20.64021	19.12920
17.02595	16.61063	15.91926	15.27090		
3610615.39	27.40626	23.53433	24.79291	21.04137	19.49330
17.35039	16.91841	16.31318	15.65564		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)	491131.08	491156.38	491181.68	491206.98	491232.28
491257.58	491282.88	491308.18	491333.48		

3610794.59	10.52637	10.13308	9.75277	9.53466	9.17286
8.82374	8.56152	8.38321	8.21573		
3610785.63	10.67848	10.35752	9.89079	9.66697	9.29818
9.01758	8.75035	8.49781	8.32916		
3610776.67	10.83545	10.50817	10.03206	9.87948	9.50276
9.21607	8.87101	8.61613	8.44626		
3610767.71	10.99718	10.66265	10.25686	10.01880	9.63530
9.34444	9.06965	8.81103	8.56709		
3610758.75	11.16350	10.82081	10.40562	10.23985	9.77141
9.55280	9.19930	9.01158	8.69164		
3610749.79	11.33422	11.06507	10.63942	10.38697	9.91146
9.69044	9.33340	9.14411	8.81985		
3610740.83	11.50917	11.23150	10.79607	10.53801	10.13558
9.91033	9.54878	9.28090	9.02558		
3610731.87	11.77485	11.48554	11.03972	10.69342	10.36606
10.05880	9.69338	9.42187	9.23627		
3610722.91	11.95907	11.66055	11.28895	10.85372	10.52274
10.29172	9.84282	9.56682	9.45164		
3610713.95	12.14732	11.92522	11.46065	11.10241	10.76679
10.45217	10.07644	9.71547	9.59537		
3610704.99	12.42923	12.11021	11.72252	11.35854	11.01834
10.61822	10.31636	9.86743	9.74122		
3610696.03	12.62749	12.30050	11.99189	11.53911	11.27770
10.78976	10.56234	10.02222	9.88865		
3610687.07	12.83086	12.58480	12.26953	11.81133	11.54505
10.96655	10.81399	10.17929	10.03710		
3610678.11	13.13212	12.78919	12.47058	12.09228	11.65367
11.14819	10.82323	10.42105	10.26648		
3610669.15	13.34924	13.09053	12.76629	12.38218	11.76492
11.24755	10.91304	10.66576	10.49745		
3610660.19	13.66742	13.31235	12.98506	12.68107	11.78878
11.43570	11.00133	10.82838	10.72944		
3610651.23	13.90213	13.54335	13.21245	12.90286	12.08308
11.71598	11.26488	11.07630	11.04304		
3610642.27	14.14645	13.69084	13.35784	13.04305	12.29209
12.00019	11.53064	11.41032	11.27602		
3610633.31	14.49750	13.84411	13.50732	13.27571	12.59684
12.28717	11.79784	11.65998	11.58956		
3610624.35	14.76480	14.00283	13.75586	13.51298	12.90548
12.57587	12.15513	11.90966	11.82224		

3610615.39 | 15.14137 14.36799 14.01073 13.66001 13.21678
 12.86542 12.42353 12.07321 11.97442
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
491358.78	491384.08	491409.38	

3610794.59	7.58480	7.31340	7.24944
3610785.63	7.69066	7.55081	7.48204
3610776.67	7.93957	7.79428	7.71994
3610767.71	8.19477	7.97439	7.96261
3610758.75	8.52675	8.22825	8.14186
3610749.79	8.79396	8.41686	8.39238
3610740.83	8.92338	8.60887	8.64626
3610731.87	9.05513	8.73205	8.90276
3610722.91	9.18880	8.92905	9.16109
3610713.95	9.39872	9.12821	9.35212
3610704.99	9.61127	9.32904	9.47445
3610696.03	9.90123	9.45647	9.59596
3610687.07	10.11782	9.73384	9.78742
3610678.11	10.33527	10.15961	10.04914
3610669.15	10.55315	10.58031	10.37906
3610660.19	10.69457	10.99206	10.63792
3610651.23	10.98912	11.19480	10.82897
3610642.27	11.28250	11.32966	11.08616

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3610633.31 |      11.49994      11.53248      11.27732
3610624.35 |      11.79160      11.73542      11.46875
3610615.39 |      12.08159      11.93850      11.66025
^ *** AERMOD - VERSION 22112 ***      *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

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*** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUS      ***
      INCLUDING SOURCE(S):      L0001397      , L0001398
, L0001399      , L0001400      , L0001401      ,
      L0001402      , L0001403      , L0001404      , L0001405      , L0001406
, L0001407      , L0001408      , L0001409      ,
      L0001410      , L0001411      , L0001412      , L0001413      , L0001414
, L0001415      , L0001416      , L0001417      ,
      L0001418      , L0001419      , L0001420      , L0001421      , L0001422
, L0001423      , L0001424      , . . .      ,

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*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

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      Y-COORD |      X-COORD (METERS)
      (METERS) |      490964.36      490985.16      491005.96      491026.76      491047.56
491068.36      491089.16      491109.96      491130.76
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3610597.95 |      23.66737      21.25184      20.19527      18.17834      17.57861
17.32440      16.89161      16.39264      16.01619
3610584.74 |      23.71912      22.32086      21.71867      19.45035      18.20302
17.93631      17.39243      16.87969      16.48625
3610571.53 |      23.64192      23.71880      23.03466      20.84120      18.86645
18.48450      17.92561      17.39176      17.07156
3610558.32 |      25.16939      24.74235      23.68859      21.96133      20.16632
19.72014      18.59188      18.12785      17.56942
3610545.11 |      26.29666      25.73863      24.37474      22.62278      21.57069
20.33350      19.87340      18.87591      18.26965
3610531.90 |      28.09028      27.14881      25.40406      23.71556      22.69175
21.36434      20.82706      19.95851      18.86797
3610518.69 |      30.41198      27.94167      26.41528      25.34221      24.30057
22.00554      21.41364      20.82699      19.36085
3610505.48 |      31.60564      29.51957      27.80348      27.53161      25.24452
22.94661      22.27238      21.61188      19.94705

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3610492.27		32.20870	29.65532	28.61913	28.27431	25.67224
23.58193		22.84603	22.13149	20.89811		
3610479.06	|	32.51422	29.94351	30.13355	29.02611	26.35940
24.20983		23.41203	22.64363	21.66700		
3610465.85	|	34.21069	32.52168	31.67931	29.77924	27.30007
25.54633		24.33481	23.48586	22.67600		
3610452.64	|	35.74517	34.25753	32.94217	30.79421	29.30512
26.88612		25.17424	24.24889	23.76792		
3610439.43	|	37.27055	35.53376	33.98796	31.53334	30.49509
28.16787		26.14796	24.71260	24.37425		
3610426.22	|	38.57770	36.28508	34.52596	32.55683	31.23524
29.28731		26.63736	25.14935	24.93594		
3610413.01	|	39.77271	36.99221	34.87860	33.25347	31.84535
30.05886		27.31839	25.96363	25.28601		
3610399.80	|	41.37326	38.23606	35.31993	33.91279	32.41729
30.55227		27.93780	26.53425	25.60007		
3610386.59	|	42.76422	39.41301	35.74007	34.52242	32.94101
30.99982		28.78723	27.04618	25.87454		
3610373.38	|	43.96504	40.45534	37.00728	35.18922	33.40789
31.39505		29.67615	27.78269	26.54990		
3610360.17	|	44.93945	41.56136	38.06930	35.89818	33.81057
32.00616		30.19537	28.55788	27.26473		
3610346.96	|	45.74054	42.39964	38.89141	36.29902	34.02820
32.38910		30.68644	28.97461	27.87601		
3610333.75		46.39508	42.95749	39.27711	36.37554	34.28072
32.59802		30.85887	29.11506	27.99551		

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)					X-COORD (METERS)	
	491151.56	491172.36	491193.16		491213.96	491234.76
491255.56	491276.36	491297.16	491317.96			

3610597.95	|	15.26957	14.72683	14.18928	13.95180	13.70764
13.45797		13.02751	12.69243	12.44893		
3610584.74	|	15.90819	15.33503	14.76408	14.49174	14.30644
13.84258		13.47641	13.02979	12.68160		
3610571.53	|	16.55745	15.94783	15.33992	15.02992	14.89858
14.31644		13.92416	13.36743	12.91301		
3610558.32	|	17.11281	16.55935	15.91275	15.46912	15.39578
14.69878		14.28314	13.70502	13.14234		
3610545.11	|	17.76358	17.06906	16.48095	16.00107	15.80297
15.16951		14.72849	14.04142	13.54714		
3610531.90	|	18.31232	17.67063	16.94841	16.43585	16.20848
15.63673		15.08403	14.46310	13.94730		
3610518.69	|	18.85553	18.17189	17.50912	16.96194	16.52356
16.18218		15.60418	14.96298	14.34048		
3610505.48	|	19.39407	18.66977	18.06456	17.48201	16.92171
16.79095		16.02968	15.44822	14.80688		
3610492.27	|	20.26930	19.16329	18.52085	17.90421	17.31247
17.14977		16.36404	15.75863	15.17617		
3610479.06	|	20.69497	19.55449	18.96868	18.31675	17.69268
17.42047		16.68609	16.13464	15.52937		
3610465.85	|	21.38730	20.42580	19.40372	18.80300	18.05803
17.67480		16.99149	16.41423	15.78565		
3610452.64	|	22.00362	21.04035	20.09283	19.43418	18.48788
17.82676		17.19623	16.67238	16.02088		
3610439.43	|	22.66475	21.57807	20.62807	19.69676	19.03828
18.03155		17.45553	16.90621	16.23328		
3610426.22	|	23.24518	22.14907	21.08684	20.15400	19.45398
18.20648		17.97117	17.11500	16.42308		
3610413.01	|	23.91376	22.64206	21.31909	20.35469	19.62868
18.43643		18.29481	17.49787	16.59212		
3610399.80	|	24.54702	23.21818	21.77364	20.95340	20.18243
18.86239		18.56473	17.77720	16.66693		
3610386.59	|	25.67771	23.59985	22.48781	21.61646	20.50336
19.34149		18.65460	17.85253	16.72320		
3610373.38	|	26.09169	24.34373	22.80367	21.90363	20.60366
19.64744		18.93767	18.06509	17.11194		
3610360.17	|	26.49218	25.15174	23.47561	21.99797	20.67639
19.89847		18.98549	18.30974	17.67421		
3610346.96	|	26.71803	25.48319	24.21203	22.22143	20.72089
20.23033		19.00954	18.50570	17.85648		
3610333.75		26.81824	25.72601	24.56278	23.10514	21.21998
19.94383		18.60635	18.10606	17.47149		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***

INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491338.76	491359.56	491380.36
3610597.95	12.37014	12.56864	12.44730
3610584.74	12.59144	12.78379	12.65177
3610571.53	12.81131	12.99700	12.85363
3610558.32	13.11159	13.13331	12.98352
3610545.11	13.32592	13.18404	13.10505
3610531.90	13.70193	13.53542	13.28978
3610518.69	14.06999	15.29274	13.94240
3610505.48	14.40767	17.11122	14.68266
3610492.27	14.61584	16.81885	14.34146
3610479.06	14.78887	15.02459	14.14904
3610465.85	15.10437	14.82878	14.04858
3610452.64	15.31941	14.95049	14.07180
3610439.43	15.59045	14.97635	14.07305
3610426.22	15.76345	15.05793	13.88255
3610413.01	15.91823	15.04307	13.56744
3610399.80	15.98059	15.00893	13.96164
3610386.59	16.02611	14.95568	14.24476
3610373.38	16.05370	14.96979	14.33784
3610360.17	16.21862	14.96612	14.32893
3610346.96	16.20796	14.94416	14.30331
3610333.75	15.93372	14.99365	14.34991

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TRUS

INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491443.37	491360.32	491376.93	491393.54	491410.15 491426.76
491459.98	491476.59	491493.20		

3610184.45	15.72445	14.67409	14.07983	13.81384	13.33734
12.80398	11.97424	11.31245	10.83028		
3610142.84	16.50056	15.25252	14.33019	13.76776	13.44306
13.06084	12.47969	11.75956	10.88677		
3610101.23	16.33730	15.27194	14.21023	13.51519	13.13395
12.91262	12.48662	11.78168	11.00202		
3610059.62	15.02429	14.67712	14.05465	13.53703	13.10226
12.60892	12.41326	12.01780	11.49421		
3610018.01	14.33513	14.02888	13.66445	13.24391	12.83521
12.43813	11.98217	11.60749	11.31370		
3609976.40	13.80746	13.53354	13.26662	12.94110	12.49215
12.05190	11.55021	11.26925	10.99666		
3609934.79	13.14212	12.90666	12.60545	12.38039	12.02586
11.67985	11.34260	11.01385	10.76059		
3609893.18	13.36162	13.12997	12.69427	12.10059	11.71246
11.39484	11.01803	10.71339	10.41525		
3609851.57	13.39451	12.56259	11.75328	11.58109	11.34937
11.06052	10.71421	10.49783	10.28545		
3609809.96	13.43960	12.16603	11.26499	11.43656	10.95985

10.75345	10.49369	10.29672	10.04619		
3609768.35	|	13.92862	12.68123	12.19826	11.51798 11.35098
10.97585	10.19543	9.95819	9.83477		
3609726.74	|	13.66462	13.38760	12.82969	11.80113 11.35640
10.90111	10.57942	10.23610	9.78923		
3609685.13	|	13.30975	13.04749	12.75782	11.73789 11.18267
10.88957	10.73265	10.45687	10.04857		
3609643.52	|	12.83603	12.68487	12.47416	12.14309 11.91401
11.72412	11.24053	10.66271	10.17099		
3609601.91	|	12.52232	12.31383	12.08262	11.85790 11.66873
11.45609	11.21938	10.86076	10.16327		
3609560.30	|	12.20429	11.94614	11.75068	11.56135 11.32317
11.08991	10.86130	10.40191	9.49943		
3609518.69	|	11.88694	11.63868	11.39511	11.15645 10.95163
10.75262	10.39890	9.69364	8.97844		
3609477.08	|	11.65728	11.37716	11.11972	10.91692 10.71892
10.49918	10.12559	9.43288	8.83589		
3609435.47	|	11.33940	11.14267	10.92637	10.73479 10.49941
10.23847	10.08282	9.87927	9.45396		
3609393.86	|	11.04317	10.88116	10.70122	10.50266 10.28308
10.08570	9.95847	9.74390	9.52953		
3609352.25		10.82792	10.64854	10.44894	10.28432 10.10224
9.90025	9.71817	9.53691	9.37926		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491509.81	491526.42 491543.03 491559.64 491576.25

491592.86 491609.47 491626.08 491642.69

3610184.45	|	10.68311	10.46352	10.10313	9.60761	9.12860
8.66721		8.43788	8.21710	7.80100		
3610142.84	|	10.89176	10.66702	10.08381	9.58997	9.25959
8.94178		8.56529	8.13386	7.78810		
3610101.23	|	10.77771	10.48626	10.35118	9.78984	9.31470
8.92686		8.62374	8.33182	7.91522		
3610059.62	|	10.75889	10.32760	10.20327	9.79663	9.40214
9.09078		8.79007	8.43102	7.81381		
3610018.01	|	10.89033	10.40584	9.93003	9.68047	9.36868
9.06642		8.84210	8.55766	8.01519		
3609976.40	|	10.73206	10.27117	9.74645	9.58101	9.41940
9.12911		8.84676	8.63760	8.49823		
3609934.79	|	10.44820	10.14383	9.84722	9.62335	9.40545
9.19330		8.98671	8.78554	8.58961		
3609893.18	|	10.25307	10.03112	9.75231	9.54211	9.33714
9.07696		8.94221	8.75200	8.62354		
3609851.57	|	10.07705	9.93163	9.67217	9.53322	9.34019
9.15134		8.85581	8.62114	8.44692		
3609809.96	|	9.85706	9.72685	9.59744	9.46888	9.23796
9.01075		8.73417	8.46073	8.24490		
3609768.35	|	9.66061	9.54169	9.47330	9.25787	8.99569
8.73541		8.52870	8.32492	7.96787		
3609726.74	|	9.66791	9.28897	9.08446	8.93212	8.78280
8.54099		8.30102	8.06295	7.82693		
3609685.13	|	9.91641	9.45508	8.80187	8.61152	8.37832
8.14782		7.91989	7.74350	7.52091		
3609643.52	|	9.91628	9.27131	8.45114	8.17345	7.99332
7.86465		7.64652	7.43142	7.21927		
3609601.91	|	9.20129	8.63362	8.13706	7.90882	7.73138
7.60458		7.39236	7.18416	7.02596		
3609560.30	|	9.13920	8.46307	8.09005	7.67869	7.50230
7.28708		7.16570	7.00521	6.84952		
3609518.69	|	8.61873	8.36621	7.98032	7.43721	7.26248
7.13545		6.97036	6.76727	6.56869		
3609477.08	|	8.60543	8.12973	7.61564	7.26595	7.09390
7.00848		6.84496	6.68562	6.53054		
3609435.47	|	8.38886	8.05271	7.94144	7.56052	7.22863
6.82266		6.77868	6.69764	6.46777		
3609393.86	|	8.72788	8.17884	7.96612	7.65121	7.18441
6.69867		6.53893	6.38305	6.23080		
3609352.25		9.20125	8.41523	7.47583	7.37203	7.27080
6.63026		6.43531	6.28083	6.20384		

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491659.30	491675.91	491692.52
3610184.45	7.60099	7.47276	7.09677
3610142.84	7.58861	7.46069	7.27370
3610101.23	7.64802	7.45556	7.26979
3610059.62	7.42086	7.23701	7.31064
3610018.01	7.68814	7.43746	7.44678
3609976.40	8.36211	8.10685	7.91948
3609934.79	8.33905	8.15391	7.85619
3609893.18	8.38538	8.15263	7.98095
3609851.57	8.22185	8.00160	7.78615
3609809.96	8.03299	7.82515	7.62146
3609768.35	7.77027	7.62824	7.43684
3609726.74	7.59310	7.36145	7.18348
3609685.13	7.25060	6.98161	6.86724
3609643.52	7.00985	6.85174	6.64783
3609601.91	6.87153	6.67429	6.52630
3609560.30	6.69841	6.55144	6.45188
3609518.69	6.46155	6.44260	6.21700
3609477.08	6.37988	6.27425	6.17256
3609435.47	6.27889	6.05362	6.06828
3609393.86	6.08218	5.97561	5.83406
3609352.25	5.98264	5.72474	5.66064

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***

*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUS ***

INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 , L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 , L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 , L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	26.45393	491278.96
3610288.22	18.79127		
491317.19	3610288.22	17.11815	491355.42
3610288.22	15.43415		
491393.65	3610342.70	13.91531	491431.88
3610342.70	12.73093		
491470.11	3610342.70	11.85819	491508.34
3610342.70	10.96984		
491546.57	3610342.70	10.13544	491584.80
3610342.70	8.97993		
491623.03	3610342.70	8.27846	491508.34
3610397.18	10.50983		
491546.57	3610397.18	9.69551	491584.80
3610397.18	9.02748		
491623.03	3610397.18	8.38736	491508.34
3610451.66	10.35631		
491546.57	3610451.66	9.62782	491584.80
3610451.66	9.13667		
491623.03	3610451.66	8.45682	491508.34
3610506.14	10.60681		
491546.57	3610506.14	9.78454	491584.80
3610506.14	9.25870		
491623.03	3610506.14	8.57038	491508.34
3610560.62	10.17454		

491546.57	3610560.62	9.53016	491584.80
3610560.62	9.01286		
491623.03	3610560.62	8.50667	491087.81
3610615.10	16.10444		
491126.04	3610615.10	15.32767	491508.34
3610615.10	9.37979		
491546.57	3610615.10	9.10286	491584.80
3610615.10	8.52552		
491623.03	3610615.10	7.90372	491087.81
3610669.58	14.07028		
491126.04	3610669.58	13.44819	491508.34
3610669.58	8.74240		
491546.57	3610669.58	8.63866	491584.80
3610669.58	8.22585		
491623.03	3610669.58	7.92730	491546.57
3610724.06	7.79604		
491584.80	3610724.06	7.23604	491623.03
3610724.06	6.90876		
491546.57	3610778.54	7.39210	491584.80
3610778.54	7.15865		
491623.03	3610778.54	6.34756	490934.89
3610833.02	11.08486		
490973.12	3610833.02	10.96669	491011.35
3610833.02	10.66524		
491049.58	3610833.02	10.28316	491087.81
3610833.02	10.17170		
491126.04	3610833.02	9.83924	491164.27
3610833.02	9.37946		
491202.50	3610833.02	8.89987	491240.73
3610833.02	8.45851		
491278.96	3610833.02	8.06525	491317.19
3610833.02	7.80750		
491355.42	3610833.02	7.36929	491393.65
3610833.02	6.97626		
491431.88	3610833.02	6.79379	491470.11
3610833.02	6.75749		
491508.34	3610833.02	6.38932	491546.57
3610833.02	6.32087		
491584.80	3610833.02	6.49046	491623.03
3610833.02	6.03220		
490934.89	3610887.50	9.81286	490973.12
3610887.50	9.61663		
491011.35	3610887.50	9.46478	491049.58
3610887.50	9.12217		
491087.81	3610887.50	8.84792	491126.04
3610887.50	9.03232		
491164.27	3610887.50	8.62979	491202.50
3610887.50	8.09340		
491240.73	3610887.50	7.59143	491278.96
3610887.50	7.28027		

491317.19	3610887.50	7.04700	491355.42
3610887.50	6.63863		
491393.65	3610887.50	6.21707	491431.88
3610887.50	6.25260		
491470.11	3610887.50	5.97378	491508.34
3610887.50	5.78311		

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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TRUS INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	5.57314	491584.80
3610887.50	5.46991		
491623.03	3610887.50	5.35651	490858.43
3610941.98	9.20658		
490896.66	3610941.98	8.81379	490934.89
3610941.98	8.41654		
490973.12	3610941.98	8.19682	491011.35
3610941.98	8.06671		
491049.58	3610941.98	8.38851	491087.81
3610941.98	8.37358		
491126.04	3610941.98	8.28401	491164.27
3610941.98	7.89724		
491202.50	3610941.98	7.44134	491240.73
3610941.98	6.61160		
491278.96	3610941.98	6.58041	491317.19

3610941.98	6.37817		
491355.42	3610941.98	6.20251	491393.65
3610941.98	5.90474		
491431.88	3610941.98	5.66321	491470.11
3610941.98	5.33348		
491508.34	3610941.98	5.14959	491546.57
3610941.98	5.07280		
491584.80	3610941.98	4.95225	491623.03
3610941.98	4.85981		
490858.43	3610996.46	8.25938	490896.66
3610996.46	7.85871		
490934.89	3610996.46	7.50510	490973.12
3610996.46	6.96711		
491011.35	3610996.46	7.50866	491049.58
3610996.46	7.57710		
491087.81	3610996.46	7.72053	491126.04
3610996.46	7.52440		
491164.27	3610996.46	7.14014	491202.50
3610996.46	6.64938		
491240.73	3610996.46	6.23569	491278.96
3610996.46	6.06654		
491317.19	3610996.46	5.89019	491355.42
3610996.46	5.70742		
491393.65	3610996.46	5.40593	491431.88
3610996.46	5.10393		
491470.11	3610996.46	4.91201	491508.34
3610996.46	4.65829		
491546.57	3610996.46	4.66316	491584.80
3610996.46	4.45346		
491623.03	3610996.46	4.52072	490858.43
3611050.94	7.13967		
490896.66	3611050.94	6.44574	490934.89
3611050.94	6.37146		
490973.12	3611050.94	6.52328	491011.35
3611050.94	6.34578		
491049.58	3611050.94	6.84229	491087.81
3611050.94	7.01511		
491126.04	3611050.94	6.87372	491164.27
3611050.94	6.50495		
491202.50	3611050.94	6.25670	491240.73
3611050.94	6.00396		
491278.96	3611050.94	5.57297	491317.19
3611050.94	5.28370		
491355.42	3611050.94	5.06628	491393.65
3611050.94	4.91815		
491431.88	3611050.94	4.71325	491470.11
3611050.94	4.36683		
491508.34	3611050.94	4.24677	491546.57
3611050.94	4.12684		
491584.80	3611050.94	4.13352	491623.03

3611050.94	4.03363			
	490858.43	3611105.42	6.46494	490896.66
3611105.42	6.02245			
	490934.89	3611105.42	5.90072	490973.12
3611105.42	5.71832			
	491011.35	3611105.42	5.85435	491049.58
3611105.42	6.58592			
	491087.81	3611105.42	6.45109	491126.04
3611105.42	6.23222			
	491164.27	3611105.42	6.13537	491202.50
3611105.42	5.90029			
	491240.73	3611105.42	5.69165	491278.96
3611105.42	5.30664			
	491317.19	3611105.42	4.95197	491355.42
3611105.42	4.72270			

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TRUS INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	4.46683	491431.88
3611105.42	4.18703		
491470.11	3611105.42	4.10328	491508.34
3611105.42	3.75178		
491546.57	3611105.42	3.73002	491584.80
3611105.42	3.78379		

3611159.90	491623.03	3611105.42	3.53805	490858.43
	5.96663			
3611159.90	490896.66	3611159.90	5.59358	490934.89
	5.35875			
3611159.90	490973.12	3611159.90	5.41288	491011.35
	5.65070			
3611159.90	491049.58	3611159.90	5.99427	491087.81
	5.82723			
3611159.90	491126.04	3611159.90	5.75221	491164.27
	5.67028			
3611159.90	491202.50	3611159.90	5.33111	491240.73
	5.04475			
3611159.90	491278.96	3611159.90	4.85866	491317.19
	4.63067			
3611159.90	491355.42	3611159.90	4.35454	491393.65
	4.12604			
3611159.90	491431.88	3611159.90	3.87349	491470.11
	3.61208			
3611159.90	491508.34	3611159.90	3.41975	491546.57
	3.39693			
3611159.90	491584.80	3611159.90	3.35717	491623.03
	3.13077			
3611214.38	490858.43	3611214.38	5.35987	490896.66
	5.03226			
3611214.38	490934.89	3611214.38	4.96305	490973.12
	4.94667			
3611214.38	491011.35	3611214.38	5.49942	491049.58
	5.43615			
3611214.38	491087.81	3611214.38	5.42725	491126.04
	5.42968			
3611214.38	491164.27	3611214.38	5.15246	491202.50
	4.84218			
3611214.38	491240.73	3611214.38	4.60594	491278.96
	4.29663			
3611214.38	491317.19	3611214.38	4.15389	491355.42
	3.83932			
3611214.38	491393.65	3611214.38	3.78165	491431.88
	3.63488			
3611214.38	491470.11	3611214.38	3.27849	491508.34
	3.18066			
3611214.38	491546.57	3611214.38	3.07353	491584.80
	2.86904			
3611268.86	491623.03	3611214.38	2.66998	490858.43
	4.85068			
3611268.86	490896.66	3611268.86	4.59907	490934.89
	4.39240			
3611268.86	490973.12	3611268.86	4.62494	491011.35
	4.76918			
3611268.86	491049.58	3611268.86	4.91156	491087.81
	4.96442			

491126.04	3611268.86	4.95319	491164.27
3611268.86	4.72799		
491202.50	3611268.86	4.48562	491240.73
3611268.86	4.15420		
491278.96	3611268.86	3.81605	491317.19
3611268.86	3.81358		
491355.42	3611268.86	3.64007	491393.65
3611268.86	3.53400		
491431.88	3611268.86	3.33058	491470.11
3611268.86	3.13888		
491508.34	3611268.86	2.94975	491546.57
3611268.86	2.79288		
491584.80	3611268.86	2.53655	491623.03
3611268.86	2.30325		
490858.43	3611323.34	4.62908	490896.66
3611323.34	4.34879		
490934.89	3611323.34	4.12100	490973.12
3611323.34	4.30547		
491011.35	3611323.34	4.36634	491049.58
3611323.34	4.34157		
491087.81	3611323.34	4.49393	491126.04
3611323.34	4.52009		
491164.27	3611323.34	4.36516	491202.50
3611323.34	4.12983		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TRUS INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
-------------	-------------	------	-------------

Y-COORD (M)	CONC		
491240.73	3611323.34	3.85659	491278.96
3611323.34	3.59558		
491317.19	3611323.34	3.54044	491355.42
3611323.34	3.38118		
491393.65	3611323.34	3.23933	491431.88
3611323.34	2.98750		
491470.11	3611323.34	2.85312	491508.34
3611323.34	2.67489		
491546.57	3611323.34	2.44599	491584.80
3611323.34	2.26130		
491623.03	3611323.34	2.01970	491583.40
3608705.27	4.62383		
491577.37	3608727.37	4.70493	491573.36
3608753.50	4.77784		
491562.30	3608782.64	4.98648	491565.32
3608775.60	4.91844		
491547.23	3608819.81	5.12739	491545.22
3608840.91	5.21737		
491533.16	3608877.09	6.06879	491524.12
3608898.19	6.44250		
491522.11	3608915.27	6.55611	491520.10
3608925.32	6.45813		
491511.06	3608945.41	7.01210	491507.04
3608961.49	7.28305		
491499.00	3608982.59	7.43159	491498.00
3608992.64	7.48194		
491490.96	3609007.71	7.58541	491484.93
3609030.82	7.78811		
491478.91	3609048.91	7.95559	491470.87
3609072.02	8.09715		
491461.82	3609094.12	8.21375	491450.77
3609114.22	8.41013		
491449.77	3609129.29	8.49974	491443.74
3609145.37	8.61062		
491439.72	3609164.46	8.74603	491434.69
3609178.52	8.91573		
491424.65	3609198.62	9.14192	491418.62
3609216.71	9.25507		
491414.60	3609231.78	9.38192	491409.57
3609244.84	9.51317		
491398.52	3609273.98	9.83626	491397.52
3609289.05	9.95948		
491388.47	3609312.16	10.21202	491383.45
3609329.24	10.41192		
491377.42	3609354.36	10.64634	491374.41
3609371.44	10.75829		
491361.34	3609405.61	11.11438	491355.32

3609423.69	11.30394			
491340.24	3609470.92	11.84663		491324.17
3609526.18	12.50068			
491329.19	3609504.08	12.21721		491314.12
3609546.28	12.79693			
491302.06	3609575.42	13.19169		491296.03
3609594.51	13.49259			
491286.99	3609618.62	13.88118		491279.96
3609632.69	14.14326			
491274.93	3609648.77	14.43634		491269.91
3609666.85	14.69073			
491264.88	3609679.92	14.89886		491259.86
3609700.01	15.19562			
491269.76	3609874.49	17.21976		491098.46
3610169.21	30.24107			
491115.74	3610172.91	29.33910		491105.25
3610150.69	30.18180			
491109.57	3610134.65	29.86423		491108.33
3610125.39	29.59140			
491113.27	3610114.29	28.77805		491118.82
3610099.48	27.94899			
491122.52	3610087.75	27.43856		491127.46
3610070.47	26.93139			
491131.78	3610051.96	26.83835		491136.72
3610040.85	26.30982			
491138.57	3610034.07	25.82499		491139.80
3610021.73	25.02368			
491157.08	3610005.06	23.85831		491166.95
3609998.89	23.18576			
491178.68	3609984.70	21.96159		491174.98
3609963.10	21.72892			
491184.23	3609965.57	21.22862		491176.21
3609942.12	21.11663			

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TRUS
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422

, L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	20.80299	491179.91
3609920.53	20.46808		
491191.64	3609922.99	20.06104	491189.17
3609903.25	20.48526		
491198.42	3609906.95	19.81317	491194.72
3609882.27	19.86390		
491205.83	3609887.20	18.72179	491200.89
3609866.84	18.93128		
491205.83	3609849.56	18.88253	491212.62
3609864.99	18.47345		
491303.94	3609929.78	16.45035	491267.54
3609903.25	17.37400		
491277.41	3609879.18	16.95786	491324.31
3609896.46	15.25313		
491135.48	3610120.46	27.53444	491124.99
3610139.59	28.62419		
491130.55	3610141.44	28.23242	491142.89
3610145.14	27.46168		
491165.10	3610151.31	26.15717	491172.51
3610156.25	25.77735		
491183.00	3610155.01	25.15638	491190.40
3610158.72	24.76784		
491197.81	3610138.97	24.11845	491162.02
3610130.33	26.04450		
491150.91	3610113.67	26.43547	491164.49
3610115.52	25.66098		
491178.06	3610123.54	25.01587	491189.17
3610125.39	24.41787		
491197.81	3610126.63	23.96703	491158.93
3610084.05	25.44711		
491175.59	3610088.37	24.59187	491188.55
3610090.84	23.94555		
491202.13	3610096.39	23.33953	491252.11
3610069.86	19.63950		
491240.39	3610095.77	21.28342	491232.36
3610128.48	21.81137		
491220.02	3610152.55	22.94651	491213.85
3610179.70	23.51965		

491204.60	3610206.85	24.10038	491297.77
3610095.16	18.31641		
491316.29	3610102.56	17.14331	491271.24
3610169.21	20.12435		
491296.54	3610170.44	17.94419	491224.34
3609806.98	17.60332		
491232.36	3609786.00	16.96119	491240.39
3609769.96	16.55682		
491245.94	3609753.92	16.25040	491250.26
3609731.08	15.84579		
491255.20	3609716.89	15.50036	491354.41
3609557.94	12.28748		
491349.69	3609575.67	12.54179	491331.95
3609630.05	13.22523		
491310.67	3609696.25	14.27817	491301.22
3609737.63	14.93281		
491289.40	3609771.91	15.50971	491276.39
3609801.46	16.18236		
491310.67	3609805.01	15.00448	492077.18
3610785.74	3.25305		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)
(METERS)	|	490903.38	490928.68	490953.98	490979.28 491004.58
491029.88	|	491055.18	491080.48	491105.78	

3610794.59	|	15.53646	15.90494	16.02357	16.14677	16.34551
16.40834		16.48408	16.69485	16.72255		
3610785.63	|	15.66020	16.12525	16.24855	16.45240	16.58192
16.71770		16.72835	16.94393	16.97155		
3610776.67	|	16.05236	16.52140	16.64199	16.76761	16.89882
16.96560		17.04573	17.19748	17.22462		
3610767.71	|	16.63751	17.01686	17.13019	17.17053	17.22492
17.21934		17.30149	17.45518	17.54341		
3610758.75	|	17.24541	17.53157	17.63661	17.58622	17.55877
17.55166		17.56168	17.71709	17.80703		
3610749.79	|	17.78343	17.97475	18.07477	18.01515	17.90157
17.81700		17.89653	17.98375	18.07681		
3610740.83	|	18.04771	18.34012	18.34858	18.28925	18.09514
18.08688		18.16685	18.25616	18.35387		
3610731.87	|	18.31977	18.71852	18.62943	18.56938	18.37098
18.43867		18.44262	18.53553	18.63910		
3610722.91	|	18.59985	19.00751	18.91692	18.85500	18.65164
18.71993		18.72503	18.82298	19.00054		
3610713.95	|	18.99356	19.40743	19.30590	19.14578	19.02090
19.08635		19.01535	19.19087	19.30425		
3610704.99	|	19.40050	19.71241	19.60671	19.44197	19.40038
19.38341		19.31449	19.49738	19.61618		
3610696.03	|	19.82122	20.13225	20.01338	19.83610	19.78988
19.77114		19.70198	19.81244	20.00572		
3610687.07	|	20.13844	20.45089	20.43044	20.24261	20.19263
20.17199		20.02069	20.13542	20.33415		
3610678.11	|	20.57982	20.77552	20.86036	20.56596	20.60777
20.49988		20.42950	20.54326	20.67023		
3610669.15	|	20.91110	21.10742	21.30166	20.99807	21.03687
20.92196		20.84689	20.96098	21.08872		
3610660.19	|	21.24902	21.56337	21.75672	21.34432	21.47843
21.26772		21.27448	21.38766	21.44412		
3610651.23	|	21.72203	21.91787	22.11832	21.90674	21.83580
21.71034		21.71359	21.74761	21.88654		
3610642.27	|	22.08170	22.16567	22.59451	22.38106	22.29877
22.16275		22.24848	22.19859	22.26576		
3610633.31	|	22.58299	22.54224	23.06974	22.86404	22.77296
22.53602		22.71273	22.66477	22.65696		
3610624.35	|	23.33262	23.05254	23.54290	23.35657	23.26010
23.01362		23.19253	23.14454	23.13867		
3610615.39		24.15084	23.79382	24.08836	23.75324	23.65683
23.41101		23.59931	23.63988	23.63450		

```

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

```

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1E ***
INCLUDING SOURCE(S): L0000175 , L0000176
, L0000177 , L0000178 , L0000179 ,
L0000180 , L0000181 , L0000182 , L0000183 , L0000184
, L0000185 , L0000186 , L0000187 ,
L0000188 , L0000189 , L0000190 , L0000191 , L0000192
, L0000193 , L0000194 , L0000195 ,
L0000196 , L0000197 , L0000198 , L0000199 , L0000200
, L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491257.58	491131.08	491156.38	491181.68	491206.98 491232.28
491282.88	491308.18	491333.48		

3610794.59	16.81275	16.79951	16.80420	16.92686	16.95905
17.00663	17.11528	17.28185	17.45305		
3610785.63	17.06284	17.10663	17.05832	17.18698	17.22392
17.32564	17.44030	17.56487	17.74212		
3610776.67	17.31769	17.36464	17.31928	17.50615	17.54716
17.65327	17.72472	17.85470	18.03787		
3610767.71	17.57809	17.62943	17.64300	17.78239	17.82819
17.94002	18.06463	18.19883	18.34033		
3610758.75	17.84503	17.90172	17.92012	18.11939	18.11650
18.28401	18.36355	18.55140	18.64973		
3610749.79	18.11941	18.24136	18.26205	18.41185	18.41179
18.58542	18.66915	18.86345	18.96653		
3610740.83	18.40187	18.53077	18.55574	18.71152	18.76829
18.94531	19.03253	19.18291	19.34127		
3610731.87	18.75741	18.88816	18.91552	19.01813	19.13357
19.26165	19.35367	19.51045	19.72427		
3610722.91	19.05767	19.19434	19.28492	19.33167	19.45185
19.63880	19.68304	19.84685	20.11851		
3610713.95	19.36584	19.57110	19.60264	19.71051	19.83369
19.97245	20.07473	20.19282	20.47487		
3610704.99	19.74718	19.89329	19.98925	20.09895	20.22574
20.31545	20.47764	20.54894	20.84160		
3610696.03	20.07160	20.22317	20.38452	20.43890	20.62895
20.66856	20.89246	20.91552	21.21882		
3610687.07	20.40375	20.62526	20.79204	20.84961	21.04415
21.03235	21.31947	21.29268	21.60657		

3610678.11	20.81418	20.97411	21.14823	21.27231	21.35659
21.40714	21.59330	21.73734	22.05727		
3610669.15	21.16560	21.39983	21.57719	21.70653	21.67661
21.73182	21.92784	22.19395	22.51998		
3610660.19	21.59835	21.77147	21.95687	22.15529	21.93963
22.12704	22.26869	22.60586	22.99536		
3610651.23	21.97307	22.15461	22.34802	22.55492	22.40390
22.59728	22.74375	23.08737	23.53412		
3610642.27	22.35950	22.47825	22.68441	22.90122	22.81484
23.08063	23.23156	23.63900	24.03720		
3610633.31	22.83277	22.80969	23.02507	23.32208	23.30467
23.57550	23.73276	24.14819	24.60296		
3610624.35	23.24391	23.14467	23.44671	23.75406	23.80750
24.08348	24.31092	24.67327	25.13687		
3610615.39	23.74379	23.64802	23.87931	24.12796	24.32354
24.60535	24.84094	25.15857	25.64285		

*** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491358.78	491384.08	491409.38

3610794.59	17.25326	17.32291	17.56968
3610785.63	17.54021	17.72958	17.97801
3610776.67	17.95244	18.14465	18.39504
3610767.71	18.37014	18.51193	18.81984

3610758.75	18.84872	18.94178	19.20051
3610749.79	19.26571	19.32790	19.64251
3610740.83	19.60091	19.72354	20.08182
3610731.87	19.94558	20.07549	20.52155
3610722.91	20.30017	20.48992	20.96781
3610713.95	20.71139	20.91054	21.38852
3610704.99	21.13438	21.34135	21.78740
3610696.03	21.61134	21.73792	22.19810
3610687.07	22.05514	22.23478	22.65500
3610678.11	22.51069	22.81701	23.15636
3610669.15	22.97882	23.39554	23.69604
3610660.19	23.41865	23.97003	24.21649
3610651.23	23.95706	24.46929	24.72666
3610642.27	24.50637	24.95837	25.27410
3610633.31	25.03285	25.48930	25.81388
3610624.35	25.61170	26.03796	26.37127
3610615.39	26.20304	26.60174	26.94401

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***

INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491068.36	490964.36	490985.16	491005.96	491026.76	491047.56
491089.16	491109.96	491130.76			

3610597.95	24.78220	24.47133	24.47125	24.29590	24.26851
24.54042	24.64371	24.68661	24.82886		

3610584.74	|	25.24226	25.22066	25.32576	25.04384	25.01516
25.29350		25.31471	25.36362	25.51404		
3610571.53	|	25.78997	25.99399	26.10035	25.92756	25.79206
25.98466		26.01122	26.06552	26.30232		
3610558.32	|	26.59145	26.78412	26.80289	26.73657	26.60127
26.79787		26.82349	26.96358	27.04076		
3610545.11	|	27.40918	27.59092	27.53336	27.47176	27.54610
27.54543		27.75984	27.89717	27.97626		
3610531.90	|	28.33366	28.42936	28.39008	28.34603	28.42172
28.42330		28.64363	28.78955	28.87857		
3610518.69	|	29.34892	29.22282	29.27109	29.34567	29.43404
29.23937		29.47767	29.73176	29.75095		
3610505.48	|	30.37827	30.13177	30.19054	30.40895	30.37491
30.20340		30.45749	30.72927	30.76320		
3610492.27	|	31.04973	30.92134	31.06538	31.29821	31.18344
31.11358		31.39403	31.69213	31.83378		
3610479.06	|	31.78044	31.72491	32.05457	32.23162	32.12890
32.07480		32.38261	32.70862	32.96480		
3610465.85	|	32.88913	32.92994	33.23239	33.21595	33.22448
33.31135		33.52934	33.87947	34.25215		
3610452.64	|	34.16700	34.27913	34.47683	34.32722	34.51491
34.59305		34.74612	35.12764	35.61861		
3610439.43	|	35.44460	35.50273	35.65021	35.42599	35.77489
35.90397		36.04008	36.36516	36.98309		
3610426.22	|	36.64451	36.52219	36.65879	36.66728	37.04213
37.21630		37.32277	37.69837	38.43914		
3610413.01	|	37.85625	37.57765	37.60264	37.91658	38.34119
38.62455		38.80458	39.24384	39.95999		
3610399.80	|	39.23550	39.03645	38.80209	39.25615	39.73786
40.07567		40.39021	40.90925	41.61849		
3610386.59	|	40.53929	40.53835	40.07636	40.69362	41.24276
41.64642		42.11257	42.71037	43.43800		
3610373.38	|	41.84253	42.07971	41.75393	42.32287	42.87313
43.35750		43.98672	44.68849	45.51516		
3610360.17	|	43.24553	43.66770	43.68350	44.15148	44.65445
45.31229		46.05141	46.87031	47.81857		
3610346.96	|	44.78064	45.30502	45.61862	46.00669	46.53892
47.46933		48.34473	49.30462	50.44773		
3610333.75		46.44146	47.10388	47.55730	47.89371	48.71559
49.80764		50.84822	51.98467	53.33796		

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*** AERMET - VERSION 22112 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***

INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491255.56	491151.56	491172.36	491193.16	491213.96 491234.76
491276.36	491297.16	491317.96		

3610597.95	24.68450	24.71053	24.75019	25.04210	25.33933
25.64019	25.82432	26.08996	26.42592		
3610584.74	25.52603	25.55465	25.60279	25.90222	26.27625
26.45673	26.71959	26.94175	27.24437		
3610571.53	26.39301	26.42942	26.49006	26.80020	27.24403
27.38119	27.65945	27.84263	28.11137		
3610558.32	27.21872	27.34152	27.41829	27.67149	28.19498
28.29035	28.59242	28.79855	29.03248		
3610545.11	28.16257	28.22482	28.39716	28.66500	29.13646
29.31472	29.63601	29.81417	30.13373		
3610531.90	29.08081	29.23765	29.35406	29.64336	30.13381
30.39520	30.68482	30.95325	31.30412		
3610518.69	30.05612	30.23283	30.44143	30.74563	31.13321
31.58445	31.90323	32.20919	32.54816		
3610505.48	31.08866	31.28417	31.58566	31.90887	32.25957
32.87164	33.14084	33.53022	33.91475		
3610492.27	32.18119	32.39810	32.72412	33.07828	33.46323
34.10652	34.42102	34.85473	35.32716		
3610479.06	33.25693	33.50544	33.94030	34.33016	34.75798
35.39817	35.80132	36.31632	36.83971		
3610465.85	34.49087	34.85161	35.24540	35.73992	36.15313
36.79729	37.29219	37.86316	38.45095		
3610452.64	35.81346	36.21400	36.65214	37.19582	37.71555
38.27775	38.87977	39.54647	40.21016		
3610439.43	37.23335	37.68222	38.17273	38.71351	39.35395
39.93806	40.65250	41.39184	42.14575		
3610426.22	38.76836	39.26939	39.82487	40.43344	41.14265
41.76320	42.62653	43.42954	44.29099		
3610413.01	40.43051	41.00126	41.56142	42.25827	43.06440

43.83076	44.78650	45.70225	46.69590			
3610399.80	|	42.28890	42.89826	43.54819	44.39905	45.29209
46.13878	47.20852	48.26417	49.43725			
3610386.59	|	44.29640	44.98472	45.81966	46.76897	47.74030
48.77387	49.95069	51.20171	52.60480			
3610373.38	|	46.46802	47.33540	48.27461	49.36732	50.47982
51.73623	53.11332	54.60162	56.27211			
3610360.17	|	48.89607	49.94086	51.06575	52.29700	53.63208
55.16501	56.81535	58.60916	60.54276			
3610346.96	|	51.63386	52.87146	54.22531	55.71085	57.31488
59.20004	61.24323	63.45540	65.89868			
3610333.75		54.75510	56.23658	57.87128	59.72385	61.77347
64.06553	66.68472	69.71270	73.11945			

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***

INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)
(METERS)	|	491338.76	491359.56	491380.36	

3610597.95	|	26.85853	27.38091	27.71640
3610584.74	|	27.70653	28.25660	28.61350
3610571.53	|	28.60604	29.18707	29.56868
3610558.32	|	29.61053	30.15422	30.57682
3610545.11	|	30.63525	31.15811	31.66141
3610531.90	|	31.82488	32.36264	32.84702
3610518.69	|	33.09151	33.68160	34.15607

3610505.48	34.44281	34.38739	35.44535
3610492.27	35.83598	36.19256	37.01365
3610479.06	37.35334	38.02886	38.70656
3610465.85	39.07004	39.79742	40.52103
3610452.64	40.91760	41.71476	42.53738
3610439.43	42.96549	43.85547	44.79347
3610426.22	45.23151	46.26454	47.26577
3610413.01	47.78773	49.01468	49.93283
3610399.80	50.72961	52.18879	53.63965
3610386.59	54.15780	55.91012	57.85814
3610373.38	58.22587	60.39428	62.86252
3610360.17	63.07808	65.92676	69.13425
3610346.96	69.28406	73.04657	77.46646
3610333.75	77.66934	82.92097	89.65287

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***

INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491443.37	491360.32	491376.93	491393.54	491410.15 491426.76
491459.98	491476.59	491493.20		

3610184.45	59.10729	57.59644	56.12960	54.71508	53.39767
52.14924	50.85245	49.55579	48.39468		
3610142.84	50.44253	49.35006	48.28952	47.26439	46.28428
45.33750	44.42300	43.45724	42.32623		
3610101.23	44.30430	43.42420	42.56353	41.68651	40.92652

40.22650	39.49011	38.66496	37.74295		
3610059.62	|	39.44732	38.78727	38.11735	37.42534
36.10725	35.56509	34.96146	34.31786		36.77250
3610018.01	|	35.55949	35.02656	34.47186	33.90251
32.80340	32.23800	31.71882	31.24743		33.34662
3609976.40	|	32.33737	31.89460	31.45702	30.99448
29.97458	29.43366	29.02753	28.62811		30.48062
3609934.79	|	29.55643	29.19388	28.79169	28.43783
27.60200	27.19738	26.80316	26.45674		28.01448
3609893.18	|	27.46265	27.14053	26.78464	26.40379
25.63392	25.23992	24.88946	24.54562		25.99822
3609851.57	|	25.57194	25.16947	24.78557	26.40379
23.90740	23.55552	23.27657	22.99901		25.99822
3609809.96	|	23.88734	23.46099	23.11133	24.52339
22.38916	22.10119	21.84514	21.56223		24.22938
3609768.35	|	22.35601	22.07497	21.79917	24.52339
21.04949	20.74923	20.48530	20.27772		22.91634
3609726.74	|	20.95699	20.73628	20.50216	22.65064
19.78322	19.55637	19.33515	19.09164		21.51034
3609685.13	|	19.70098	19.49583	19.28562	21.29518
18.63777	18.45604	18.25268	18.04759		21.51034
3609643.52	|	18.54050	18.36983	18.18657	21.29518
17.62509	17.43383	17.25424	17.07329		21.51034
3609601.91	|	17.51120	17.34403	17.17242	21.29518
16.66863	16.49731	16.32253	16.14649		20.26322
3609560.30	|	16.55302	16.39632	16.24669	20.01355
15.77585	15.61333	15.44670	15.27718		20.26322
3609518.69	|	15.66138	15.52059	15.37784	20.01355
14.95042	14.79742	14.64147	14.45869		20.26322
3609477.08	|	14.84432	14.71435	14.58034	20.01355
14.19257	14.04782	13.90596	13.75611		19.04530
3609435.47	|	14.09853	13.97747	13.85678	18.84068
13.48405	13.37243	13.24955	13.12280		17.98328
3609393.86	|	13.41696	13.30230	13.18941	17.79870
12.85268	12.74965	12.63783	12.52359		17.98328
3609352.25		12.77339	12.67756	12.57810	17.79870
12.26812	12.16510	12.06245	11.96340		17.98328

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184

, L0000185 , L0000186 , L0000187 ,
 , L0000193 , L0000194 , L0000195 ,
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491592.86	491509.81	491526.42	491543.03	491559.64 491576.25
491609.47	491626.08	491642.69		

3610184.45	47.49907	46.55849	45.58819	44.58548	43.58296
42.57132	41.78495	41.01862	40.08193		
3610142.84	41.73922	41.00102	40.12769	39.28966	38.56021
37.84539	37.08825	36.27915	35.54587		
3610101.23	37.16209	36.54326	36.01061	35.27343	34.57261
33.91843	33.32622	32.75300	32.07079		
3610059.62	33.55007	32.94113	32.52591	31.95247	31.39058
30.88481	30.38903	29.84202	29.06370		
3610018.01	30.71529	30.15396	29.59471	29.18073	28.73283
28.29487	27.91008	27.48859	26.85722		
3609976.40	28.23874	27.74282	27.20395	26.89384	26.58379
26.20050	25.82404	25.49050	25.19584		
3609934.79	26.07901	25.70912	25.34903	25.03269	24.72082
24.41172	24.10613	23.80251	23.50032		
3609893.18	24.28123	23.98257	23.65549	23.36544	23.07865
22.76426	22.51193	22.23188	21.97932		
3609851.57	22.72355	22.47986	22.17925	21.93737	21.66975
21.40313	21.08986	20.80695	20.55336		
3609809.96	21.31068	21.08679	20.86142	20.63520	20.36629
20.10080	19.81437	19.52997	19.27434		
3609768.35	20.04619	19.83983	19.65323	19.40657	19.14161
18.87700	18.63682	18.39824	18.08877		
3609726.74	18.90126	18.68906	18.45977	18.25458	18.05048
17.80910	17.56749	17.32672	17.08481		
3609685.13	17.87088	17.64860	17.41150	17.20219	16.97523
16.74924	16.52323	16.32153	16.09679		
3609643.52	16.89338	16.66208	16.41443	16.17543	15.98261
15.81408	15.60333	15.39422	15.18500		
3609601.91	15.91961	15.69654	15.50550	15.29865	15.11737
14.96067	14.76382	14.56853	14.39764		
3609560.30	15.09986	14.88572	14.70193	14.50270	14.33104
14.14142	13.99973	13.83840	13.68032		

3609768.35	17.85542	17.64869	17.41932
3609726.74	16.84420	16.60468	16.39211
3609685.13	15.84900	15.60047	15.43250
3609643.52	14.97841	14.79936	14.59738
3609601.91	14.22934	14.04018	13.87706
3609560.30	13.52387	13.36950	13.23833
3609518.69	12.83480	12.75419	12.56833
3609477.08	12.27012	12.15186	12.03589
3609435.47	11.73677	11.56503	11.51172
3609393.86	11.18901	11.08253	10.95782
3609352.25	10.71664	10.53909	10.45974

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***

INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	120.47655	491278.96
3610288.22	110.15095		
491317.19	3610288.22	112.62387	491355.42
3610288.22	113.91077		
491393.65	3610342.70	84.64738	491431.88
3610342.70	100.13588		
491470.11	3610342.70	103.42009	491508.34
3610342.70	114.78200		
491546.57	3610342.70	122.01980	491584.80
3610342.70	101.08389		

491623.03	3610342.70	88.28889	491508.34
3610397.18	70.56068		
491546.57	3610397.18	79.30863	491584.80
3610397.18	92.69743		
491623.03	3610397.18	118.30743	491508.34
3610451.66	49.83650		
491546.57	3610451.66	52.98870	491584.80
3610451.66	56.83165		
491623.03	3610451.66	61.45353	491508.34
3610506.14	39.58185		
491546.57	3610506.14	41.24388	491584.80
3610506.14	43.10650		
491623.03	3610506.14	45.26126	491508.34
3610560.62	32.99342		
491546.57	3610560.62	34.02314	491584.80
3610560.62	35.14872		
491623.03	3610560.62	36.37818	491087.81
3610615.10	23.62870		
491126.04	3610615.10	23.79418	491508.34
3610615.10	28.24568		
491546.57	3610615.10	29.00998	491584.80
3610615.10	29.72893		
491623.03	3610615.10	30.49705	491087.81
3610669.58	20.97055		
491126.04	3610669.58	21.14516	491508.34
3610669.58	24.64518		
491546.57	3610669.58	25.26226	491584.80
3610669.58	25.78225		
491623.03	3610669.58	26.34676	491546.57
3610724.06	22.12910		
491584.80	3610724.06	22.40641	491623.03
3610724.06	22.83546		
491546.57	3610778.54	19.72841	491584.80
3610778.54	20.03333		
491623.03	3610778.54	20.05829	490934.89
3610833.02	14.80417		
490973.12	3610833.02	15.08101	491011.35
3610833.02	15.18569		
491049.58	3610833.02	15.24169	491087.81
3610833.02	15.53149		
491126.04	3610833.02	15.67725	491164.27
3610833.02	15.73123		
491202.50	3610833.02	15.77357	491240.73
3610833.02	15.84675		
491278.96	3610833.02	15.95623	491317.19
3610833.02	16.15930		
491355.42	3610833.02	16.22539	491393.65
3610833.02	16.30923		
491431.88	3610833.02	16.55739	491470.11
3610833.02	16.91098		

491508.34	3610833.02	17.01998	491546.57
3610833.02	17.35341		
491584.80	3610833.02	17.81740	491623.03
3610833.02	17.91371		
490934.89	3610887.50	13.41530	490973.12
3610887.50	13.59554		
491011.35	3610887.50	13.78037	491049.58
3610887.50	13.80788		
491087.81	3610887.50	13.90426	491126.04
3610887.50	14.33627		
491164.27	3610887.50	14.38552	491202.50
3610887.50	14.35565		
491240.73	3610887.50	14.34882	491278.96
3610887.50	14.46028		
491317.19	3610887.50	14.61254	491355.42
3610887.50	14.63007		
491393.65	3610887.50	14.62956	491431.88
3610887.50	14.99066		
491470.11	3610887.50	15.10124	491508.34
3610887.50	15.27394		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
491546.57	3610887.50	15.43002	491584.80

3610887.50	15.67041			
	491623.03	3610887.50	15.90173	490858.43
3610941.98	12.07573			
	490896.66	3610941.98	12.02498	490934.89
3610941.98	11.99626			
	490973.12	3610941.98	12.11868	491011.35
3610941.98	12.30082			
	491049.58	3610941.98	12.77066	491087.81
3610941.98	12.98556			
	491126.04	3610941.98	13.15722	491164.27
3610941.98	13.15908			
	491202.50	3610941.98	13.14020	491240.73
3610941.98	12.83968			
	491278.96	3610941.98	13.10964	491317.19
3610941.98	13.24323			
	491355.42	3610941.98	13.39814	491393.65
3610941.98	13.45788			
	491431.88	3610941.98	13.55526	491470.11
3610941.98	13.56489			
	491508.34	3610941.98	13.69037	491546.57
3610941.98	13.90143			
	491584.80	3610941.98	14.07328	491623.03
3610941.98	14.26417			
	490858.43	3610996.46	11.10389	490896.66
3610996.46	11.01705			
	490934.89	3610996.46	10.97479	490973.12
3610996.46	10.80451			
	491011.35	3610996.46	11.44747	491049.58
3610996.46	11.72342			
	491087.81	3610996.46	12.02470	491126.04
3610996.46	12.08314			
	491164.27	3610996.46	12.03257	491202.50
3610996.46	11.93690			
	491240.73	3610996.46	11.87869	491278.96
3610996.46	12.00441			
	491317.19	3610996.46	12.11943	491355.42
3610996.46	12.22673			
	491393.65	3610996.46	12.24396	491431.88
3610996.46	12.25244			
	491470.11	3610996.46	12.34542	491508.34
3610996.46	12.37729			
	491546.57	3610996.46	12.62105	491584.80
3610996.46	12.67807			
	491623.03	3610996.46	12.95155	490858.43
3611050.94	10.02410			
	490896.66	3611050.94	9.68286	490934.89
3611050.94	9.80429			
	490973.12	3611050.94	10.11573	491011.35
3611050.94	10.19184			
	491049.58	3611050.94	10.76720	491087.81

3611050.94	11.07544			
	491126.04	3611050.94	11.15502	491164.27
3611050.94	11.08242			
	491202.50	3611050.94	11.09482	491240.73
3611050.94	11.11147			
	491278.96	3611050.94	11.00585	491317.19
3611050.94	11.00262			
	491355.42	3611050.94	11.04815	491393.65
3611050.94	11.14601			
	491431.88	3611050.94	11.19653	491470.11
3611050.94	11.12054			
	491508.34	3611050.94	11.23687	491546.57
3611050.94	11.34653			
	491584.80	3611050.94	11.56188	491623.03
3611050.94	11.67313			
	490858.43	3611105.42	9.26427	490896.66
3611105.42	9.10297			
	490934.89	3611105.42	9.17000	490973.12
3611105.42	9.18857			
	491011.35	3611105.42	9.46725	491049.58
3611105.42	10.16499			
	491087.81	3611105.42	10.25906	491126.04
3611105.42	10.28496			
	491164.27	3611105.42	10.36820	491202.50
3611105.42	10.35871			
	491240.73	3611105.42	10.36861	491278.96
3611105.42	10.26319			
	491317.19	3611105.42	10.18142	491355.42
3611105.42	10.18603			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3611105.42	491393.65	3611105.42	10.16607	491431.88
3611105.42	491470.11	3611105.42	10.23925	491508.34
3611105.42	491546.57	3611105.42	10.28216	491584.80
3611159.90	491623.03	3611105.42	10.47432	490858.43
3611159.90	490896.66	3611159.90	8.52535	490934.89
3611159.90	490973.12	3611159.90	8.68297	491011.35
3611159.90	491049.58	3611159.90	9.39175	491087.81
3611159.90	491126.04	3611159.90	9.55304	491164.27
3611159.90	491202.50	3611159.90	9.53416	491240.73
3611159.90	491278.96	3611159.90	9.46182	491317.19
3611159.90	491355.42	3611159.90	9.37978	491393.65
3611159.90	491431.88	3611159.90	9.30239	491470.11
3611159.90	491508.34	3611159.90	9.21333	491546.57
3611159.90	491584.80	3611159.90	9.49645	491623.03
3611214.38	490858.43	3611214.38	7.94114	490896.66
3611214.38	490934.89	3611214.38	7.95153	490973.12
3611214.38	491011.35	3611214.38	8.60798	491049.58
3611214.38	491087.81	3611214.38	8.81195	491126.04
3611214.38	491164.27	3611214.38	8.90307	491202.50
3611214.38	491240.73	3611214.38	8.74953	491278.96
3611214.38	491317.19	3611214.38	8.63927	491355.42
3611214.38	491393.65	3611214.38	8.51449	

491393.65	3611214.38	8.60810	491431.88
3611214.38	8.62267		
491470.11	3611214.38	8.43380	491508.34
3611214.38	8.48823		
491546.57	3611214.38	8.53271	491584.80
3611214.38	8.48892		
491623.03	3611214.38	8.46642	490858.43
3611268.86	7.34216		
490896.66	3611268.86	7.29480	490934.89
3611268.86	7.27266		
490973.12	3611268.86	7.58993	491011.35
3611268.86	7.81304		
491049.58	3611268.86	8.02323	491087.81
3611268.86	8.17273		
491126.04	3611268.86	8.28747	491164.27
3611268.86	8.25680		
491202.50	3611268.86	8.20374	491240.73
3611268.86	8.06582		
491278.96	3611268.86	7.89799	491317.19
3611268.86	8.00298		
491355.42	3611268.86	7.97081	491393.65
3611268.86	7.99972		
491431.88	3611268.86	7.94369	491470.11
3611268.86	7.89047		
491508.34	3611268.86	7.83655	491546.57
3611268.86	7.82139		
491584.80	3611268.86	7.73645	491623.03
3611268.86	7.64096		
490858.43	3611323.34	6.97759	490896.66
3611323.34	6.89345		
490934.89	3611323.34	6.84432	490973.12
3611323.34	7.11677		
491011.35	3611323.34	7.27597	491049.58
3611323.34	7.35727		
491087.81	3611323.34	7.56427	491126.04
3611323.34	7.68577		
491164.27	3611323.34	7.68778	491202.50
3611323.34	7.63136		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,

```

, L0000185      , L0000180      , L0000181      , L0000182      , L0000183      , L0000184
, L0000186      , L0000186      , L0000187      ,
, L0000188      , L0000188      , L0000189      , L0000190      , L0000191      , L0000192
, L0000193      , L0000194      , L0000195      ,
, L0000196      , L0000196      , L0000197      , L0000198      , L0000199      , L0000200
, L0000201      , L0000202      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3611323.34	491240.73	3611323.34	7.52842	491278.96
3611323.34		7.41718		
3611323.34	491317.19	3611323.34	7.46525	491355.42
3611323.34		7.42258		
3611323.34	491393.65	3611323.34	7.39857	491431.88
3611323.34		7.27156		
3611323.34	491470.11	3611323.34	7.25708	491508.34
3611323.34		7.21168		
3611323.34	491546.57	3611323.34	7.13840	491584.80
3611323.34		7.07913		
3608705.27	491623.03	3611323.34	6.94416	491583.40
3608753.50		6.22774		
3608775.60	491577.37	3608727.37	6.35541	491573.36
3608840.91		6.49946		
3608884.09	491562.30	3608782.64	6.72517	491565.32
3608898.19		6.66193		
3608925.32	491547.23	3608819.81	6.96604	491545.22
3608961.49		7.10831		
3608992.64	491533.16	3608877.09	7.47124	491524.12
3609030.82		7.64604		
3609072.02	491522.11	3608915.27	7.76485	491520.10
3609114.22		7.83569		
	491511.06	3608945.41	8.00730	491507.04
		8.14231		
	491499.00	3608982.59	8.32371	491498.00
		8.40134		
	491490.96	3609007.71	8.53834	491484.93
		8.74912		
	491478.91	3609048.91	8.92140	491470.87
		9.14256		
	491461.82	3609094.12	9.36255	491450.77
		9.59045		
	491449.77	3609129.29	9.73414	491443.74

3609145.37	9.90964			
	491439.72	3609164.46	10.11404	491434.69
3609178.52	10.28445			
	491424.65	3609198.62	10.54158	491418.62
3609216.71	10.76334			
	491414.60	3609231.78	10.95121	491409.57
3609244.84	11.12629			
	491398.52	3609273.98	11.53109	491397.52
3609289.05	11.72235			
	491388.47	3609312.16	12.06783	491383.45
3609329.24	12.32051			
	491377.42	3609354.36	12.70674	491374.41
3609371.44	12.97910			
	491361.34	3609405.61	13.59633	491355.32
3609423.69	13.93566			
	491340.24	3609470.92	14.88416	491324.17
3609526.18	16.12328			
	491329.19	3609504.08	15.61860	491314.12
3609546.28	16.65405			
	491302.06	3609575.42	17.44796	491296.03
3609594.51	17.98544			
	491286.99	3609618.62	18.71281	491279.96
3609632.69	19.17591			
	491274.93	3609648.77	19.69190	491269.91
3609666.85	20.28348			
	491264.88	3609679.92	20.74081	491259.86
3609700.01	21.43671			
	491269.76	3609874.49	28.65084	491098.46
3610169.21	92.76381			
	491115.74	3610172.91	91.08271	491105.25
3610150.69	78.14152			
	491109.57	3610134.65	69.68505	491108.33
3610125.39	67.44698			
	491113.27	3610114.29	64.31086	491118.82
3610099.48	60.18135			
	491122.52	3610087.75	57.23437	491127.46
3610070.47	53.28983			
	491131.78	3610051.96	48.71090	491136.72
3610040.85	46.86180			
	491138.57	3610034.07	46.41959	491139.80
3610021.73	45.23516			
	491157.08	3610005.06	42.45014	491166.95
3609998.89	41.39139			
	491178.68	3609984.70	39.36051	491174.98
3609963.10	37.51892			
	491184.23	3609965.57	37.32037	491176.21
3609942.12	35.63053			

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1E ***

INCLUDING SOURCE(S): L0000175 , L0000176
, L0000177 , L0000178 , L0000179 ,
, L0000180 , L0000181 , L0000182 , L0000183 , L0000184
, L0000185 , L0000186 , L0000187 ,
, L0000188 , L0000189 , L0000190 , L0000191 , L0000192
, L0000193 , L0000194 , L0000195 ,
, L0000196 , L0000197 , L0000198 , L0000199 , L0000200
, L0000201 , L0000202 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	35.52846	491179.91
3609920.53	33.79484		
491191.64	3609922.99	33.61474	491189.17
3609903.25	32.42807		
491198.42	3609906.95	32.40623	491194.72
3609882.27	30.90294		
491205.83	3609887.20	30.75588	491200.89
3609866.84	29.73808		
491205.83	3609849.56	28.71139	491212.62
3609864.99	29.32092		
491303.94	3609929.78	31.09697	491267.54
3609903.25	30.33904		
491277.41	3609879.18	28.73125	491324.31
3609896.46	28.61974		
491135.48	3610120.46	63.90976	491124.99
3610139.59	70.93169		
491130.55	3610141.44	71.15606	491142.89
3610145.14	71.18528		
491165.10	3610151.31	70.86066	491172.51
3610156.25	71.80109		
491183.00	3610155.01	70.01604	491190.40
3610158.72	70.46060		
491197.81	3610138.97	63.31068	491162.02
3610130.33	64.33959		

491150.91	3610113.67	60.83592	491164.49
3610115.52	60.18372		
491178.06	3610123.54	61.02686	491189.17
3610125.39	60.51939		
491197.81	3610126.63	60.06141	491158.93
3610084.05	53.80657		
491175.59	3610088.37	53.53926	491188.55
3610090.84	53.13037		
491202.13	3610096.39	53.23270	491252.11
3610069.86	45.87275		
491240.39	3610095.77	50.53635	491232.36
3610128.48	57.49173		
491220.02	3610152.55	65.00736	491213.85
3610179.70	75.84620		
491204.60	3610206.85	94.78614	491297.77
3610095.16	46.93458		
491316.29	3610102.56	46.87648	491271.24
3610169.21	64.27607		
491296.54	3610170.44	61.85216	491224.34
3609806.98	26.16989		
491232.36	3609786.00	25.06412	491240.39
3609769.96	24.26162		
491245.94	3609753.92	23.54774	491250.26
3609731.08	22.63741		
491255.20	3609716.89	22.06205	491354.41
3609557.94	16.55615		
491349.69	3609575.67	17.00608	491331.95
3609630.05	18.52525		
491310.67	3609696.25	20.66541	491301.22
3609737.63	22.14415		
491289.40	3609771.91	23.55833	491276.39
3609801.46	24.98104		
491310.67	3609805.01	24.48497	492077.18
3610785.74	24.61997		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,

L0000831 , L0000832 , L0000833 , L0000834 , L0000835
, L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491029.88	490903.38	490928.68	490953.98	490979.28	491004.58

3610794.59	52.47176	48.33020	44.11048	40.55036	37.67089
34.79072	32.27397	30.36281	28.24673		
3610785.63	52.67744	48.74326	44.42850	41.02496	37.89088
35.14810	32.43223	30.49959	28.36481		
3610776.67	53.93489	49.70029	45.22100	41.49290	38.28901
35.32946	32.75340	30.63519	28.48439		
3610767.71	55.83142	50.90123	46.21833	42.15630	38.67828
35.50394	32.90621	30.76957	28.74722		
3610758.75	57.62249	52.06304	47.17331	42.80053	39.06192
35.84716	33.05201	30.90216	28.87068		
3610749.79	59.04436	52.97982	47.90984	43.42558	39.44056
36.01086	33.35369	31.03201	28.99390		
3610740.83	59.74128	53.70293	48.31098	43.70181	39.46415
36.16981	33.48732	31.15836	29.11460		
3610731.87	60.43653	54.42778	48.72117	43.98533	39.66546
36.50198	33.61811	31.28131	29.23015		
3610722.91	61.13485	54.97461	49.13414	44.27884	39.86916
36.65626	33.74921	31.40167	29.48224		
3610713.95	62.09631	55.70563	49.72871	44.58109	40.26646
36.98685	33.88248	31.67372	29.58238		
3610704.99	63.07729	56.26040	50.13778	44.88756	40.67213
37.14981	34.01837	31.79007	29.67253		
3610696.03	64.07950	57.00700	50.72359	45.38188	41.08178
37.49723	34.32791	31.89974	29.89425		
3610687.07	64.86318	57.57549	51.30195	45.86649	41.49764
37.86108	34.46864	31.99940	29.96698		
3610678.11	65.91795	58.14605	51.87755	46.16541	41.92030
38.06587	34.77726	32.24491	30.03205		
3610669.15	66.74868	58.71670	52.44553	46.64409	42.34709
38.44106	35.07744	32.48052	30.22897		
3610660.19	67.59324	59.48728	53.01396	46.94930	42.77479
38.63732	35.36478	32.70774	30.27251		
3610651.23	68.71990	60.06558	53.43317	47.62013	43.03078
38.97899	35.64258	32.77792	30.44123		
3610642.27	69.59005	60.42932	54.02215	48.12114	43.42210

39.29376	36.04969	32.97996	30.46037			
3610633.31	|	70.74035	61.00851	54.62933	48.60634	43.77869
39.42434	36.27720	33.16657	30.46905			
3610624.35	|	72.38493	61.83737	55.26332	49.05896	44.10386
39.68048	36.47197	33.32951	30.59759			
3610615.39		74.23365	63.09965	55.96763	49.31514	44.24194
39.74453	36.49864	33.45884	30.69417			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	|	X-COORD (METERS)			
	|	491131.08	491156.38	491181.68	491206.98 491232.28
491257.58	|	491282.88	491308.18	491333.48	

3610794.59	|	26.50160	24.69902	23.07090	21.84611	20.48185
19.19749		18.13784	17.27420	16.47845		
3610785.63	|	26.61003	24.93017	23.15739	21.91955	20.54112
19.37139		18.29970	17.31429	16.51846		
3610776.67	|	26.72081	25.03009	23.24213	22.11233	20.71805
19.54184		18.34108	17.35467	16.55700		
3610767.71	|	26.83282	25.12896	23.45453	22.17809	20.76986
19.58657		18.50121	17.50905	16.59142		
3610758.75	|	26.94459	25.22496	23.53214	22.36089	20.82020
19.75776		18.54335	17.65846	16.61952		
3610749.79	|	27.05445	25.44491	23.73408	22.41957	20.87047
19.80368		18.58316	17.68916	16.64063		

3610740.83	|	27.16041	25.53171	23.80192	22.47636	21.04288
19.96193		18.73592	17.71299	16.76442		
3610731.87	|	27.39731	25.74032	23.99583	22.53226	21.21024
20.00088		18.76334	17.73068	16.88450		
3610722.91	|	27.48885	25.81499	24.18433	22.58650	21.25405
20.14555		18.78367	17.74441	17.00149		
3610713.95	|	27.56962	26.01012	24.24450	22.75647	21.40557
20.16894		18.91656	17.75642	17.01220		
3610704.99	|	27.77580	26.07287	24.41892	22.91778	21.54608
20.18656		19.04666	17.76753	17.02148		
3610696.03	|	27.83872	26.12754	24.58212	22.94893	21.67797
20.20109		19.16448	17.77642	17.02686		
3610687.07	|	27.89478	26.29538	24.73024	23.08732	21.80490
20.21333		19.27851	17.78042	17.02585		
3610678.11	|	28.07634	26.32570	24.74880	23.21176	21.70519
20.22125		19.06884	17.88770	17.12045		
3610669.15	|	28.11146	26.46616	24.87218	23.32790	21.59773
20.10740		18.94548	17.98518	17.20575		
3610660.19	|	28.26253	26.47481	24.87353	23.43238	21.36135
20.09538		18.81072	17.96241	17.28128		
3610651.23	|	28.27138	26.47438	24.86477	23.41532	21.45455
20.18240		18.89833	18.03899	17.43975		
3610642.27	|	28.26884	26.33705	24.72590	23.27374	21.41543
20.25061		18.97308	18.20388	17.48855		
3610633.31	|	28.38126	26.17713	24.56440	23.22299	21.47310
20.30201		19.02559	18.25115	17.61455		
3610624.35	|	28.34391	25.99083	24.50042	23.15598	21.51592
20.33939		19.16983	18.28874	17.64629		
3610615.39		28.40960	26.04269	24.41755	22.96464	21.54833
20.36750		19.19986	18.22645	17.59064		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
	491358.78	491384.08	491409.38	

3610794.59	14.99250	14.13911	13.64505
3610785.63	15.02915	14.37977	13.86623
3610776.67	15.27928	14.61081	14.07814
3610767.71	15.52245	14.73237	14.28301
3610758.75	15.86301	14.95033	14.39189
3610749.79	16.08091	15.06595	14.59283
3610740.83	16.09196	15.17348	14.78675
3610731.87	16.10186	15.18304	14.97548
3610722.91	16.11170	15.29120	15.15614
3610713.95	16.22216	15.39334	15.24530
3610704.99	16.32781	15.49139	15.24395
3610696.03	16.52329	15.48835	15.23721
3610687.07	16.61352	15.66739	15.30970
3610678.11	16.69600	16.01378	15.45217
3610669.15	16.76043	16.30251	15.64444
3610660.19	16.73095	16.55767	15.74924
3610651.23	16.86255	16.58707	15.78102
3610642.27	16.97859	16.54701	15.86960
3610633.31	17.00988	16.56925	15.89047
3610624.35	17.11361	16.58900	15.90924
3610615.39	17.20351	16.60497	15.92442

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***

INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
491068.36	490964.36	490985.16	491005.96	491026.76	491047.56

3610597.95	53.63441	48.22925	44.12000	40.33462	37.20906
34.88492	32.58516	30.42596	28.61297		
3610584.74	53.43779	48.36591	44.29675	40.31068	37.15406
34.81156	32.39277	30.24292	28.43816		
3610571.53	53.02145	48.21498	44.11430	40.28573	36.99491
34.53431	32.14110	30.01410	28.34182		
3610558.32	52.58346	47.80607	43.62642	39.98856	36.74246
34.30680	31.94834	29.97084	28.09416		
3610545.11	51.81954	47.20278	42.99154	39.45191	36.53852
33.89731	31.81404	29.86766	28.02819		
3610531.90	51.01699	46.44308	42.39260	38.97873	36.14829
33.57120	31.52861	29.62451	27.82545		
3610518.69	50.13646	45.46923	41.74533	38.55939	35.82482
33.10439	31.11817	29.35736	27.50661		
3610505.48	49.04931	44.53939	41.02135	38.18381	35.34613
32.73106	30.79644	29.07394	27.26807		
3610492.27	47.35165	43.31308	40.13871	37.45860	34.64179
32.22046	30.35651	28.68536	27.01324		
3610479.06	45.68043	42.04865	39.32995	36.70783	34.01117
31.68682	29.89897	28.28460	26.74301		
3610465.85	44.52239	41.25990	38.65747	35.94157	33.46054
31.34127	29.51996	27.95848	26.54067		
3610452.64	43.52867	40.53104	37.95421	35.24994	33.08294
30.95408	29.12264	27.61686	26.31041		
3610439.43	42.44205	39.57748	37.10001	34.46923	32.56114
30.55967	28.70670	27.18138	25.98992		
3610426.22	41.25205	38.42588	36.06339	33.76340	31.95399
30.05431	28.20059	26.73647	25.67257		
3610413.01	40.07223	37.27316	34.90570	32.98944	31.28805
29.54207	27.76611	26.35798	25.27033		
3610399.80	38.85704	36.44023	33.94692	32.22308	30.62537
28.96541	27.34438	25.96982	24.86201		
3610386.59	37.54024	35.57719	33.00559	31.46591	29.96623
28.39346	26.90942	25.59587	24.45137		
3610373.38	36.24023	34.68780	32.34410	30.78586	29.31046
27.82496	26.47397	25.21064	24.10167		
3610360.17	35.10389	33.76432	31.78763	30.17015	28.66061
27.31404	26.03700	24.82594	23.75080		

3610346.96	34.08265	32.82859	31.13338	29.46349	27.96575
26.79731	25.59320	24.44141	23.44448		
3610333.75	33.09659	31.96612	30.37810	28.67192	27.34165
26.23348	25.09681	24.00578	23.05163		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***

INCLUDING SOURCE(S): L0000810 , L0000811

, L0000812	, L0000813	, L0000814	, L0000815	, L0000816	, L0000817	, L0000818	, L0000819
, L0000820	, L0000821	, L0000822	, L0000823	, L0000824	, L0000825	, L0000826	, L0000827
, L0000828	, L0000829	, L0000830	, L0000831	, L0000832	, L0000833	, L0000834	, L0000835
, L0000836	, L0000837	, . . .					

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491255.56	491276.36
491297.16	491317.96

3610597.95	26.53364	24.87133	23.36291	22.32744	21.37434
20.49308	19.48484	18.64651	17.95591		
3610584.74	26.59909	24.93695	23.42882	22.38649	21.53008
20.45351	19.55071	18.61960	17.84448		
3610571.53	26.62698	24.97415	23.47269	22.42187	21.64780
20.48904	19.58812	18.57970	17.72074		
3610558.32	26.51115	24.98155	23.49059	22.33494	21.64390
20.41045	19.51876	18.52425	17.58615		
3610545.11	26.46564	24.85688	23.48589	22.33006	21.53759
20.40229	19.51656	18.45258	17.61429		
3610531.90	26.29373	24.81176	23.36503	22.22019	21.42428
20.38148	19.42072	18.45386	17.62647		
3610518.69	26.10211	24.65180	23.32244	22.18868	21.23062
20.42428	19.47155	18.51776	17.62651		
3610505.48	25.89448	24.47727	23.25929	22.14185	21.11429

20.50632	19.43626	18.56358	17.68515		
3610492.27	| 25.67140	24.28858	23.09754	22.00126	20.99080
20.38168	19.32908	18.46370	17.66202		
3610479.06	| 25.35349	24.00758	22.92380	21.85130	20.85969
20.19475	19.21933	18.42633	17.63074		
3610465.85	| 25.10417	23.87119	22.73803	21.75815	20.71933
20.00349	19.10456	18.32249	17.53675		
3610452.64	| 24.84472	23.64067	22.53791	21.58223	20.63119
19.74687	18.92469	18.21372	17.44017		
3610439.43	| 24.57239	23.39983	22.32374	21.33063	20.46634
19.54254	18.79537	18.09675	17.33873		
3610426.22	| 24.29056	23.14697	22.09907	21.13086	20.28927
19.33070	18.71055	17.97179	17.22970		
3610413.01	| 23.99575	22.88694	21.80237	20.86026	20.04497
19.17003	18.56122	17.83848	17.11197		
3610399.80	| 23.76011	22.61712	21.56379	20.70243	19.90347
18.99937	18.40517	17.69749	16.93929		
3610386.59	| 23.49694	22.33992	21.37501	20.52910	19.69875
18.87306	18.19360	17.50470	16.76293		
3610373.38	| 23.17245	22.12288	21.12233	20.29667	19.44101
18.68524	18.02340	17.35443	16.67681		
3610360.17	| 22.84232	21.87575	20.92687	20.01897	19.18354
18.49319	17.80319	17.19635	16.62063		
3610346.96	| 22.51050	21.57655	20.70274	19.79776	18.92714
18.29601	17.58077	17.03270	16.47189		
3610333.75	22.14807	21.30379	20.46024	19.60020	18.75834
18.01518	17.26591	16.74270	16.20320		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491338.76	491359.56	491380.36

3610597.95	17.47252	17.27158	16.78667
3610584.74	17.36823	17.17440	16.69639
3610571.53	17.25088	17.06347	16.59297
3610558.32	17.20199	16.87721	16.42104
3610545.11	17.06771	16.61611	16.24219
3610531.90	17.07627	16.62008	16.11968
3610518.69	17.07569	17.32792	16.37385
3610505.48	17.06313	17.45383	16.49881
3610492.27	16.91461	17.22731	16.16560
3610479.06	16.76566	16.67691	15.78100
3610465.85	16.74350	16.28774	15.47786
3610452.64	16.65713	16.14727	15.28460
3610439.43	16.62429	15.95358	15.09090
3610426.22	16.52869	15.81319	14.77005
3610413.01	16.42684	15.61508	14.36590
3610399.80	16.26836	15.41372	14.50855
3610386.59	16.10613	15.20916	14.55958
3610373.38	15.94102	15.05966	14.48076
3610360.17	15.86742	14.90742	14.34030
3610346.96	15.69704	14.75313	14.19758
3610333.75	15.38273	14.65299	14.10926

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***

INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
491443.37	491360.32	491376.93	491393.54	491410.15	491426.76
	491459.98	491476.59	491493.20		

3610184.45	13.30445	12.88060	12.49756	12.28161	11.96368
11.61881	11.10947	10.67188	10.33254		
3610142.84	12.94908	12.56505	12.21334	11.86595	11.63247
11.37492	11.02216	10.59280	10.05356		
3610101.23	12.46885	12.14372	11.78802	11.39246	11.14266
10.96841	10.69825	10.28726	9.81968		
3610059.62	11.86268	11.63740	11.39230	11.09395	10.83076
10.53797	10.38557	10.13700	9.82498		
3610018.01	11.40540	11.19118	10.95547	10.70011	10.45246
10.21230	9.94317	9.71160	9.51786		
3609976.40	10.96287	10.77064	10.57806	10.36128	10.09153
9.82850	9.53771	9.35496	9.17692		
3609934.79	10.48252	10.32239	10.12548	9.95716	9.72714
9.50285	9.28505	9.07584	8.90652		
3609893.18	10.20782	10.06817	9.89921	9.69965	9.46732
9.25836	9.02117	8.81788	8.62020		
3609851.57	9.86591	9.66893	9.47004	9.34726	9.19510
9.01156	8.79577	8.63408	8.47365		
3609809.96	9.53239	9.30491	9.12322	9.04040	8.90834
8.77356	8.61134	8.46832	8.29686		
3609768.35	9.20970	9.04748	8.89732	8.75663	8.65847
8.54038	8.37845	8.23439	8.12955		
3609726.74	8.90388	8.77046	8.63507	8.50417	8.37036
8.26258	8.15512	8.04755	7.91858		
3609685.13	8.63964	8.50291	8.36856	8.21830	8.10644
7.99560	7.91055	7.81387	7.71722		
3609643.52	8.37472	8.25692	8.13340	7.99354	7.88130
7.78583	7.67953	7.58737	7.49812		
3609601.91	8.14309	8.02275	7.89788	7.77690	7.66799
7.56169	7.45682	7.35734	7.25947		
3609560.30	7.89697	7.78684	7.67777	7.56727	7.45058
7.33736	7.22916	7.12415	7.02197		
3609518.69	7.63860	7.54963	7.44971	7.34134	7.23468
7.12908	7.02009	6.91218	6.79020		
3609477.08	7.37954	7.30806	7.22511	7.13840	7.04455
6.94192	6.83116	6.72486	6.61464		
3609435.47	7.12545	7.06539	7.00188	6.93270	6.85039
6.75260	6.66727	6.57079	6.47330		
3609393.86	6.88516	6.82813	6.77333	6.71621	6.65070
6.57756	6.50547	6.41761	6.32486		
3609352.25	6.64160	6.59649	6.54998	6.50030	6.44915

3609809.96	|	8.15046	8.02959	7.91171	7.79844	7.64431
7.49596		7.32641	7.15849	7.01666		
3609768.35	|	7.99905	7.88729	7.79451	7.64179	7.47054
7.30188		7.16061	7.02344	6.81395		
3609726.74	|	7.82463	7.70839	7.57028	7.44833	7.32592
7.16536		7.00606	6.84981	6.69662		
3609685.13	|	7.63454	7.51720	7.37841	7.25321	7.10453
6.95256		6.79930	6.66764	6.51720		
3609643.52	|	7.40481	7.28795	7.14785	7.00088	6.88369
6.78317		6.64093	6.49644	6.35102		
3609601.91	|	7.13210	7.01737	6.91893	6.80251	6.69908
6.61033		6.48257	6.35029	6.23412		
3609560.30	|	6.91865	6.80872	6.71399	6.60588	6.51214
6.39930		6.31930	6.21863	6.11493		
3609518.69	|	6.70132	6.61694	6.52322	6.40372	6.31416
6.24175		6.15309	6.04586	5.93548		
3609477.08	|	6.52552	6.42861	6.32114	6.23082	6.14362
6.08868		6.00547	5.92274	5.83937		
3609435.47	|	6.35127	6.26637	6.19707	6.10891	6.02367
5.91478		5.87619	5.82580	5.72084		
3609393.86	|	6.22072	6.12315	6.04346	5.96758	5.87181
5.76568		5.68585	5.60787	5.53312		
3609352.25		6.09291	5.99092	5.86995	5.80364	5.74117
5.63801		5.54737	5.47059	5.42337		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |

X-COORD (METERS)

(METERS) | 491659.30 491675.91 491692.52

3610184.45	7.75270	7.63576	7.32193
3610142.84	7.56626	7.45566	7.29913
3610101.23	7.42505	7.27116	7.12281
3610059.62	7.08170	6.93861	6.98718
3610018.01	7.12452	6.94062	6.93933
3609976.40	7.42424	7.25217	7.12099
3609934.79	7.28425	7.15630	6.96049
3609893.18	7.21401	7.05636	6.93431
3609851.57	7.04554	6.89713	6.74630
3609809.96	6.87722	6.73775	6.59668
3609768.35	6.68181	6.57774	6.44809
3609726.74	6.54388	6.39416	6.27093
3609685.13	6.34356	6.17017	6.07258
3609643.52	6.20424	6.08331	5.94105
3609601.91	6.11745	5.97851	5.86315
3609560.30	6.00782	5.89913	5.80818
3609518.69	5.85737	5.81208	5.67492
3609477.08	5.75462	5.68344	5.60963
3609435.47	5.62904	5.51917	5.50115
3609393.86	5.45935	5.40149	5.32807
3609352.25	5.32474	5.21078	5.17120

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2N ***
INCLUDING SOURCE(S): L0000810 , L0000811
, L0000812 , L0000813 , L0000814 ,
L0000815 , L0000816 , L0000817 , L0000818 , L0000819
, L0000820 , L0000821 , L0000822 ,
L0000823 , L0000824 , L0000825 , L0000826 , L0000827
, L0000828 , L0000829 , L0000830 ,
L0000831 , L0000832 , L0000833 , L0000834 , L0000835
, L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
	491164.27	3610233.74	19.26940	491278.96
3610288.22		16.53065		
	491317.19	3610288.22	15.49693	491355.42
3610288.22		14.49347		
	491393.65	3610342.70	13.82280	491431.88
3610342.70		12.81741		
	491470.11	3610342.70	12.03197	491508.34
3610342.70		11.24609		
	491546.57	3610342.70	10.50581	491584.80
3610342.70		9.51270		
	491623.03	3610342.70	8.87187	491508.34
3610397.18		11.20101		
	491546.57	3610397.18	10.41607	491584.80
3610397.18		9.75858		
	491623.03	3610397.18	9.12996	491508.34
3610451.66		11.46144		
	491546.57	3610451.66	10.68185	491584.80
3610451.66		10.12960		
	491623.03	3610451.66	9.41865	491508.34
3610506.14		12.21483		
	491546.57	3610506.14	11.26089	491584.80
3610506.14		10.59882		
	491623.03	3610506.14	9.81369	491508.34
3610560.62		12.51034		
	491546.57	3610560.62	11.60973	491584.80
3610560.62		10.86919		
	491623.03	3610560.62	10.17850	491087.81
3610615.10		32.58763		
	491126.04	3610615.10	28.93762	491508.34
3610615.10		12.47824		
	491546.57	3610615.10	11.86114	491584.80
3610615.10		10.98605		
	491623.03	3610615.10	10.11501	491087.81
3610669.58		31.77770		
	491126.04	3610669.58	28.53892	491508.34
3610669.58		12.54986		
	491546.57	3610669.58	12.05499	491584.80
3610669.58		11.28128		
	491623.03	3610669.58	10.67175	491546.57
3610724.06		11.77535		
	491584.80	3610724.06	10.79319	491623.03
3610724.06		10.12545		
	491546.57	3610778.54	11.84960	491584.80
3610778.54		11.20017		
	491623.03	3610778.54	9.92872	490934.89
3610833.02		44.70812		

490973.12	3610833.02	39.71526	491011.35
3610833.02	35.26268		
491049.58	3610833.02	31.41691	491087.81
3610833.02	28.75271		
491126.04	3610833.02	26.14455	491164.27
3610833.02	23.66622		
491202.50	3610833.02	21.46289	491240.73
3610833.02	19.56905		
491278.96	3610833.02	17.95335	491317.19
3610833.02	16.70432		
491355.42	3610833.02	15.23607	491393.65
3610833.02	13.95799		
491431.88	3610833.02	13.10702	491470.11
3610833.02	12.54217		
491508.34	3610833.02	11.55564	491546.57
3610833.02	11.04631		
491584.80	3610833.02	10.87824	491623.03
3610833.02	9.96127		
490934.89	3610887.50	41.07933	490973.12
3610887.50	36.65989		
491011.35	3610887.50	33.06874	491049.58
3610887.50	29.58995		
491087.81	3610887.50	26.76316	491126.04
3610887.50	25.30118		
491164.27	3610887.50	22.99171	491202.50
3610887.50	20.67608		
491240.73	3610887.50	18.62493	491278.96
3610887.50	17.15331		
491317.19	3610887.50	15.97509	491355.42
3610887.50	14.59620		
491393.65	3610887.50	13.30056	491431.88
3610887.50	12.84971		
491470.11	3610887.50	11.91577	491508.34
3610887.50	11.18046		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,

L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	10.47287	491584.80
3610887.50	9.97636		
491623.03	3610887.50	9.50208	490858.43
3610941.98	49.05414		
490896.66	3610941.98	42.01901	490934.89
3610941.98	36.50998		
490973.12	3610941.98	32.68158	491011.35
3610941.98	29.73562		
491049.58	3610941.98	28.32878	491087.81
3610941.98	26.25479		
491126.04	3610941.98	24.30810	491164.27
3610941.98	22.07423		
491202.50	3610941.98	19.94256	491240.73
3610941.98	17.18155		
491278.96	3610941.98	16.32132	491317.19
3610941.98	15.20811		
491355.42	3610941.98	14.26661	491393.65
3610941.98	13.19898		
491431.88	3610941.98	12.31519	491470.11
3610941.98	11.33241		
491508.34	3610941.98	10.64510	491546.57
3610941.98	10.15969		
491584.80	3610941.98	9.62665	491623.03
3610941.98	9.17238		
490858.43	3610996.46	43.81535	490896.66
3610996.46	37.84930		
490934.89	3610996.46	33.14362	490973.12
3610996.46	28.59118		
491011.35	3610996.46	28.34463	491049.58
3610996.46	26.60619		
491087.81	3610996.46	25.16625	491126.04
3610996.46	23.13221		
491164.27	3610996.46	20.90279	491202.50
3610996.46	18.68915		
491240.73	3610996.46	16.85129	491278.96
3610996.46	15.72808		
491317.19	3610996.46	14.68866	491355.42

3610996.46	13.73537			
	491393.65	3610996.46	12.64786	491431.88
3610996.46	11.64919			
	491470.11	3610996.46	10.93124	491508.34
3610996.46	10.13610			
	491546.57	3610996.46	9.85097	491584.80
3610996.46	9.20033			
	491623.03	3610996.46	9.03671	490858.43
3611050.94	37.72254			
	490896.66	3611050.94	31.40796	490934.89
3611050.94	28.59975			
	490973.12	3611050.94	27.11945	491011.35
3611050.94	24.72274			
	491049.58	3611050.94	24.78934	491087.81
3611050.94	23.76586			
	491126.04	3611050.94	22.01495	491164.27
3611050.94	19.86291			
	491202.50	3611050.94	18.21414	491240.73
3611050.94	16.74859			
	491278.96	3611050.94	15.03152	491317.19
3611050.94	13.78185			
	491355.42	3611050.94	12.79332	491393.65
3611050.94	12.02701			
	491431.88	3611050.94	11.21419	491470.11
3611050.94	10.17483			
	491508.34	3611050.94	9.65405	491546.57
3611050.94	9.16806			
	491584.80	3611050.94	8.93904	491623.03
3611050.94	8.52787			
	490858.43	3611105.42	33.74154	490896.66
3611105.42	29.26880			
	490934.89	3611105.42	26.65691	490973.12
3611105.42	24.11452			
	491011.35	3611105.42	23.16530	491049.58
3611105.42	24.19440			
	491087.81	3611105.42	22.48809	491126.04
3611105.42	20.68739			
	491164.27	3611105.42	19.32945	491202.50
3611105.42	17.74931			
	491240.73	3611105.42	16.38810	491278.96
3611105.42	14.76575			
	491317.19	3611105.42	13.36605	491355.42
3611105.42	12.35764			

```

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2N ***
INCLUDING SOURCE(S): L0000810 , L0000811
, L0000812 , L0000813 , L0000814 ,
L0000815 , L0000816 , L0000817 , L0000818 , L0000819
, L0000820 , L0000821 , L0000822 ,
L0000823 , L0000824 , L0000825 , L0000826 , L0000827
, L0000828 , L0000829 , L0000830 ,
L0000831 , L0000832 , L0000833 , L0000834 , L0000835
, L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	11.36246	491431.88
3611105.42	10.38107		
491470.11	3611105.42	9.90209	491508.34
3611105.42	8.90901		
491546.57	3611105.42	8.64106	491584.80
3611105.42	8.52794		
491623.03	3611105.42	7.86933	490858.43
3611159.90	30.88657		
490896.66	3611159.90	27.18999	490934.89
3611159.90	24.41040		
490973.12	3611159.90	23.13373	491011.35
3611159.90	22.66439		
491049.58	3611159.90	22.54672	491087.81
3611159.90	20.89169		
491126.04	3611159.90	19.63820	491164.27
3611159.90	18.44122		
491202.50	3611159.90	16.65431	491240.73
3611159.90	15.13210		
491278.96	3611159.90	14.00734	491317.19
3611159.90	12.90354		
491355.42	3611159.90	11.77914	491393.65
3611159.90	10.84841		
491431.88	3611159.90	9.93200	491470.11
3611159.90	9.06737		
491508.34	3611159.90	8.42296	491546.57
3611159.90	8.17116		
491584.80	3611159.90	7.89982	491623.03
3611159.90	7.29351		

490858.43	3611214.38	27.66464	490896.66
3611214.38	24.50232		
490934.89	3611214.38	22.82945	490973.12
3611214.38	21.48976		
491011.35	3611214.38	22.39632	491049.58
3611214.38	20.95755		
491087.81	3611214.38	19.87852	491126.04
3611214.38	18.94018		
491164.27	3611214.38	17.29625	491202.50
3611214.38	15.65187		
491240.73	3611214.38	14.30803	491278.96
3611214.38	12.85834		
491317.19	3611214.38	11.97531	491355.42
3611214.38	10.72500		
491393.65	3611214.38	10.25084	491431.88
3611214.38	9.59839		
491470.11	3611214.38	8.51692	491508.34
3611214.38	8.08663		
491546.57	3611214.38	7.67003	491584.80
3611214.38	7.11747		
491623.03	3611214.38	6.64515	490858.43
3611268.86	24.97819		
490896.66	3611268.86	22.42850	490934.89
3611268.86	20.31362		
490973.12	3611268.86	20.41584	491011.35
3611268.86	19.95391		
491049.58	3611268.86	19.42791	491087.81
3611268.86	18.64074		
491126.04	3611268.86	17.75170	491164.27
3611268.86	16.31465		
491202.50	3611268.86	14.92066	491240.73
3611268.86	13.33598		
491278.96	3611268.86	11.78438	491317.19
3611268.86	11.33434		
491355.42	3611268.86	10.45314	491393.65
3611268.86	9.84358		
491431.88	3611268.86	9.05219	491470.11
3611268.86	8.36108		
491508.34	3611268.86	7.73370	491546.57
3611268.86	7.24067		
491584.80	3611268.86	6.64639	491623.03
3611268.86	6.09533		
490858.43	3611323.34	23.96178	490896.66
3611323.34	21.32877		
490934.89	3611323.34	19.20999	490973.12
3611323.34	19.27253		
491011.35	3611323.34	18.63564	491049.58
3611323.34	17.62127		
491087.81	3611323.34	17.33419	491126.04
3611323.34	16.63595		

491164.27 3611323.34 15.44687 491202.50
 3611323.34 14.11077
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	12.72484	491278.96
3611323.34	11.41650		
491317.19	3611323.34	10.82559	491355.42
3611323.34	9.98149		
491393.65	3611323.34	9.27594	491431.88
3611323.34	8.37224		
491470.11	3611323.34	7.83887	491508.34
3611323.34	7.28246		
491546.57	3611323.34	6.70970	491584.80
3611323.34	6.22015		
491623.03	3611323.34	5.63472	491583.40
3608705.27	3.79595		
491577.37	3608727.37	3.85782	491573.36
3608753.50	3.92423		
491562.30	3608782.64	4.04114	491565.32
3608775.60	4.00710		
491547.23	3608819.81	4.15578	491545.22
3608840.91	4.22184		
491533.16	3608877.09	4.39691	491524.12

3608898.19	4.48514		
491522.11	3608915.27	4.53723	491520.10
3608925.32	4.56745		
491511.06	3608945.41	4.64946	491507.04
3608961.49	4.71250		
491499.00	3608982.59	4.79506	491498.00
3608992.64	4.82769		
491490.96	3609007.71	4.88923	491484.93
3609030.82	4.98414		
491478.91	3609048.91	5.06066	491470.87
3609072.02	5.15463		
491461.82	3609094.12	5.24677	491450.77
3609114.22	5.34822		
491449.77	3609129.29	5.40520	491443.74
3609145.37	5.47857		
491439.72	3609164.46	5.56192	491434.69
3609178.52	5.63527		
491424.65	3609198.62	5.74494	491418.62
3609216.71	5.83540		
491414.60	3609231.78	5.91147	491409.57
3609244.84	5.98361		
491398.52	3609273.98	6.14887	491397.52
3609289.05	6.22266		
491388.47	3609312.16	6.36128	491383.45
3609329.24	6.45877		
491377.42	3609354.36	6.60799	491374.41
3609371.44	6.71297		
491361.34	3609405.61	6.94807	491355.32
3609423.69	7.07416		
491340.24	3609470.92	7.41903	491324.17
3609526.18	7.85403		
491329.19	3609504.08	7.68060	491314.12
3609546.28	8.04190		
491302.06	3609575.42	8.31428	491296.03
3609594.51	8.49355		
491286.99	3609618.62	8.73488	491279.96
3609632.69	8.89050		
491274.93	3609648.77	9.05719	491269.91
3609666.85	9.24326		
491264.88	3609679.92	9.38836	491259.86
3609700.01	9.59823		
491269.76	3609874.49	11.06712	491098.46
3610169.21	19.54647		
491115.74	3610172.91	19.15887	491105.25
3610150.69	18.90851		
491109.57	3610134.65	18.31065	491108.33
3610125.39	18.17771		
491113.27	3610114.29	17.80615	491118.82
3610099.48	17.31516		
491122.52	3610087.75	16.96285	491127.46

3610070.47	16.49465			
	491131.78	3610051.96	15.87456	491136.72
3610040.85	15.55636			
	491138.57	3610034.07	15.50056	491139.80
3610021.73	15.28061			
	491157.08	3610005.06	14.64547	491166.95
3609998.89	14.33929			
	491178.68	3609984.70	13.79768	491174.98
3609963.10	13.57683			
	491184.23	3609965.57	13.39558	491176.21
3609942.12	13.22294			

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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***

INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	13.10085	491179.91
3609920.53	12.83969		
491191.64	3609922.99	12.68298	491189.17
3609903.25	12.57856		
491198.42	3609906.95	12.43732	491194.72
3609882.27	12.22206		
491205.83	3609887.20	12.00495	491200.89
3609866.84	11.88084		
491205.83	3609849.56	11.67072	491212.62
3609864.99	11.68758		

491303.94	3609929.78	11.30073	491267.54
3609903.25	11.38253		
491277.41	3609879.18	11.01800	491324.31
3609896.46	10.70499		
491135.48	3610120.46	17.35670	491124.99
3610139.59	18.07594		
491130.55	3610141.44	17.97344	491142.89
3610145.14	17.74057		
491165.10	3610151.31	17.33333	491172.51
3610156.25	17.26802		
491183.00	3610155.01	16.99009	491190.40
3610158.72	16.89337		
491197.81	3610138.97	16.29725	491162.02
3610130.33	16.92983		
491150.91	3610113.67	16.82421	491164.49
3610115.52	16.54689		
491178.06	3610123.54	16.41386	491189.17
3610125.39	16.20543		
491197.81	3610126.63	16.04193	491158.93
3610084.05	16.02238		
491175.59	3610088.37	15.74122	491188.55
3610090.84	15.51889		
491202.13	3610096.39	15.35182	491252.11
3610069.86	13.88413		
491240.39	3610095.77	14.55944	491232.36
3610128.48	15.25313		
491220.02	3610152.55	16.01087	491213.85
3610179.70	16.69870		
491204.60	3610206.85	17.47073	491297.77
3610095.16	13.47553		
491316.29	3610102.56	13.14217	491271.24
3610169.21	15.05171		
491296.54	3610170.44	14.38828	491224.34
3609806.98	10.97230		
491232.36	3609786.00	10.65403	491240.39
3609769.96	10.41838		
491245.94	3609753.92	10.21746	491250.26
3609731.08	9.96381		
491255.20	3609716.89	9.78628	491354.41
3609557.94	7.91933		
491349.69	3609575.67	8.06345	491331.95
3609630.05	8.53245		
491310.67	3609696.25	9.16125	491301.22
3609737.63	9.55321		
491289.40	3609771.91	9.92972	491276.39
3609801.46	10.32498		
491310.67	3609805.01	9.92781	492077.18
3610785.74	4.72797		

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*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499
, L0000500 , L0000501 , L0000502 ,
L0000503 , L0000504 , L0000505 , L0000506 , L0000507
, L0000508 , L0000509 , L0000510 ,
L0000511 , L0000512 , L0000513 , L0000514 , L0000515
, L0000516 , L0000517 , L0000518 ,
L0000519 , L0000520 , L0000521 , L0000522 , L0000523
, L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491029.88	490903.38	490928.68	490953.98	490979.28	491004.58

3610794.59	8.08718	8.20181	8.08510	7.97360	7.93593
7.76789	7.61007	7.58197	7.37509		
3610785.63	8.09782	8.29313	8.17673	8.13670	8.02761
7.92361	7.69601	7.66454	7.45184		
3610776.67	8.34627	8.54564	8.42333	8.30566	8.19270
8.01579	7.84735	7.74713	7.52852		
3610767.71	8.77207	8.89172	8.75964	8.55551	8.36241
8.10943	7.93524	7.82958	7.66542		
3610758.75	9.22385	9.25748	9.11456	8.81566	8.53661
8.27330	8.02305	7.91217	7.74428		
3610749.79	9.61409	9.55367	9.40222	9.08685	8.71489
8.36860	8.17746	7.99568	7.82536		
3610740.83	9.73478	9.76794	9.52149	9.20007	8.74318
8.46381	8.26647	8.08116	7.90954		
3610731.87	9.86020	9.99274	9.64356	9.31441	8.84679
8.63123	8.35711	8.16968	7.99728		
3610722.91	9.99036	10.12399	9.76755	9.42912	8.95046
8.72864	8.45061	8.26194	8.15166		
3610713.95	10.22559	10.35798	9.98459	9.54385	9.13345
8.90270	8.54796	8.42463	8.24632		
3610704.99	10.46788	10.49501	10.11081	9.65905	9.32058

9.00723	8.64953	8.52474	8.34280		
3610696.03	| 10.71999	10.73772	10.33542	9.86407	9.51442
9.19285	8.82652	8.62713	8.50522		
3610687.07	| 10.86701	10.87715	10.56251	10.07558	9.71558
9.38467	8.93545	8.73062	8.60324		
3610678.11	| 11.12478	11.01747	10.79714	10.20220	9.92426
9.50301	9.11901	8.90431	8.70122		
3610669.15	| 11.27472	11.16021	11.03228	10.42637	10.13985
9.70382	9.30500	9.07943	8.86729		
3610660.19	| 11.42666	11.41045	11.27627	10.56375	10.35946
9.82565	9.49338	9.25684	8.96759		
3610651.23	| 11.69948	11.56447	11.42700	10.89932	10.49243
10.03049	9.68401	9.36455	9.13884		
3610642.27	| 11.86289	11.61907	11.67740	11.14333	10.71975
10.23840	9.95852	9.54842	9.24419		
3610633.31	| 12.14560	11.78267	11.91815	11.38371	10.94818
10.36418	10.15963	9.73650	9.35169		
3610624.35	| 12.64359	12.05639	12.15843	11.62781	11.18209
10.57977	10.36592	9.92948	9.53188		
3610615.39	13.24131	12.52965	12.47250	11.77712	11.32299
10.71211	10.49250	10.12577	9.71458		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491257.58	491131.08	491156.38	491181.68	491206.98 491232.28
	491282.88	491308.18	491333.48	

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- - - - -
3610794.59 | 7.23205 6.98507 6.74895 6.62225 6.40704
6.20118 6.05381 5.95851 5.86608
3610785.63 | 7.30429 7.10644 6.81482 6.68776 6.47127
6.31131 6.16123 6.01635 5.92111
3610776.67 | 7.37717 7.17686 6.88311 6.80551 6.58686
6.42479 6.22252 6.07418 5.97581
3610767.71 | 7.45154 7.24973 7.00612 6.87658 6.65541
6.49033 6.33116 6.17855 6.03015
3610758.75 | 7.52827 7.32554 7.08045 7.00041 6.72495
6.60533 6.39276 6.28357 6.08429
3610749.79 | 7.60804 7.45986 7.21054 7.07530 6.79485
6.67138 6.45398 6.34146 6.13856
3610740.83 | 7.69113 7.54198 7.28936 7.15074 6.91515
6.78692 6.56388 6.39949 6.24004
3610731.87 | 7.83669 7.68298 7.42333 7.22615 7.03578
6.85287 6.62550 6.45810 6.34368
3610722.91 | 7.92583 7.76875 7.55862 7.30125 7.10602
6.96891 6.68774 6.51771 6.44949
3610713.95 | 8.01640 7.91319 7.63923 7.43002 7.22813
7.03620 6.80251 6.57855 6.50902
3610704.99 | 8.16922 7.99970 7.77588 7.55975 7.35206
7.10465 6.91852 6.64064 6.56954
3610696.03 | 8.26089 8.08606 7.91420 7.63676 7.47867
7.17452 7.03641 6.70375 6.63070
3610687.07 | 8.35245 8.23327 8.05484 7.77035 7.60751
7.24582 7.15534 6.76751 6.69216
3610678.11 | 8.50814 8.32153 8.13965 7.90682 7.63133
7.31823 7.12236 6.88244 6.80297
3610669.15 | 8.60178 8.47331 8.28571 8.04627 7.65477
7.33812 7.13839 6.99848 6.91472
3610660.19 | 8.76226 8.56580 8.37464 8.18826 7.62301
7.41085 7.15205 7.06338 7.02828
3610651.23 | 8.86051 8.66013 8.46483 8.27402 7.75602
7.53771 7.27493 7.18155 7.19121
3610642.27 | 8.96073 8.69204 8.49445 8.30135 7.83376
7.66479 7.39728 7.35128 7.30350
3610633.31 | 9.12979 8.72332 8.52318 8.38634 7.96775
7.79227 7.51965 7.46806 7.46432
3610624.35 | 9.23260 8.75353 8.61242 8.47072 8.10247
7.92004 7.69448 7.58444 7.57645
3610615.39 | 9.40379 8.91263 8.70090 8.49424 8.23688
8.04817 7.81579 7.64894 7.63886

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*** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
	491358.78	491384.08	491409.38	

3610794.59	5.46774	5.29508	5.25096
3610785.63	5.51665	5.42725	5.37917
3610776.67	5.65438	5.56093	5.50900
3610767.71	5.79345	5.65182	5.63999
3610758.75	5.98048	5.78816	5.73031
3610749.79	6.12318	5.88305	5.86602
3610740.83	6.17719	5.97891	6.00410
3610731.87	6.23229	6.03153	6.14289
3610722.91	6.28850	6.13127	6.28314
3610713.95	6.39261	6.23199	6.38123
3610704.99	6.49833	6.33319	6.43676
3610696.03	6.65106	6.38917	6.49238
3610687.07	6.75939	6.53907	6.59328
3610678.11	6.86736	6.78154	6.73758
3610669.15	6.97557	7.01825	6.92219
3610660.19	7.03677	7.25418	7.06506
3610651.23	7.19119	7.35949	7.16558
3610642.27	7.34570	7.42049	7.30890
3610633.31	7.45427	7.52558	7.40953
3610624.35	7.60921	7.63048	7.50996
3610615.39	7.76476	7.73539	7.61051

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*** AERMET - VERSION 22112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 , L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 , L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 , L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)					X-COORD (METERS)	
491068.36	490964.36	490985.16	491005.96	491026.76	491047.56	

3610597.95	12.51106	11.91152	11.59182	11.09570	10.72572
10.62451	10.36533	10.04538	9.81562		
3610584.74	12.58880	12.24218	12.00015	11.39484	11.00432
10.88951	10.53577	10.20448	9.96512		
3610571.53	12.73531	12.57113	12.31193	11.78799	11.28166
11.06863	10.70238	10.35952	10.18409		
3610558.32	13.08194	12.88557	12.52986	12.08108	11.56054
11.33261	10.94695	10.66680	10.32732		
3610545.11	13.41221	13.19468	12.74349	12.27925	11.92935
11.50488	11.27782	10.97861	10.62261		
3610531.90	13.82696	13.50570	13.03510	12.57145	12.20316
11.76591	11.52706	11.21850	10.84785		
3610518.69	14.29222	13.73142	13.32501	12.94094	12.57236
11.93981	11.69322	11.46043	10.99738		
3610505.48	14.74018	14.03280	13.62179	13.36639	12.83849
12.20851	11.95007	11.70618	11.22639		
3610492.27	14.77981	14.18226	13.83447	13.56938	12.94903
12.38271	12.11564	11.86355	11.45788		
3610479.06	14.85929	14.31035	14.11690	13.76789	13.13218
12.55243	12.27656	12.01627	11.68495		
3610465.85	15.24801	14.77180	14.53315	13.96040	13.39034
12.90535	12.52154	12.24989	11.99379		
3610452.64	15.76225	15.33450	14.98929	14.21804	13.79401
13.23821	12.76704	12.48432	12.29957		

3610439.43	16.25934	15.74171	15.31305	14.40171	14.10390
13.55558	13.00828	12.62929	12.50981		
3610426.22	16.61380	15.81852	15.32228	14.65596	14.34313
13.78860	13.16097	12.77429	12.71906		
3610413.01	16.90307	15.88607	15.24296	14.83977	14.51997
14.02248	13.39420	13.00907	12.86321		
3610399.80	17.48736	16.30256	15.35711	15.02422	14.69763
14.19077	13.62764	13.23531	13.00908		
3610386.59	17.96764	16.71167	15.46628	15.20812	14.87510
14.35927	13.86758	13.46108	13.15596		
3610373.38	18.36260	17.11141	15.81656	15.46246	15.05186
14.52736	14.09701	13.69218	13.37827		
3610360.17	18.66306	17.55710	16.29880	15.78341	15.22825
14.76518	14.32610	13.91384	13.59151		
3610346.96	18.92407	17.92871	16.70057	15.96831	15.33472
15.00171	14.55622	14.13572	13.86639		
3610333.75	19.17902	18.19006	16.89486	16.01084	15.51119
15.17347	14.72121	14.29386	14.01991		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491255.56	491151.56	491172.36	491193.16	491213.96	491234.76
491276.36	491297.16	491317.96			

3610597.95	9.32544	8.99235	8.67370	8.54983	8.42823
------------	---------	---------	---------	---------	---------

8.31042	8.08792	7.92957	7.83025		
3610584.74	|	9.59926	9.25169	8.91911	8.78563 8.71446
8.47186	8.29765	8.07838	7.92161		
3610571.53	|	9.87343	9.51118	9.16585	9.02334 9.00470
8.69240	8.51013	8.22834	8.01352		
3610558.32	|	10.07888	9.77297	9.41544	9.20153 9.23988
8.85845	8.66997	8.38104	8.10678		
3610545.11	|	10.36117	9.97175	9.67072	9.44731 9.41817
9.08722	8.89089	8.53632	8.31005		
3610531.90	|	10.57657	10.24590	9.86404	9.63286 9.59967
9.32014	9.05605	8.74974	8.51507		
3610518.69	|	10.79606	10.45373	10.12855	9.88627 9.71771
9.61736	9.34073	9.02248	8.72145		
3610505.48	|	11.01544	10.66216	10.39714	10.14234 9.89821
9.98658	9.56842	9.29778	8.98549		
3610492.27	|	11.23696	10.86973	10.59489	10.33127 10.07904
10.16472	9.73679	9.45800	9.19509		
3610479.06	|	11.37361	10.99870	10.79230	10.51992 10.25986
10.27687	9.90540	9.67938	9.40665		
3610465.85	|	11.58881	11.28325	10.98841	10.78077 10.44095
10.38743	10.07454	9.84184	9.56119		
3610452.64	|	11.80490	11.48907	11.18834	10.97376 10.69289
10.42919	10.17849	10.00525	9.71725		
3610439.43	|	12.01732	11.69676	11.38659	11.09041 10.87916
10.53672	10.34876	10.17012	9.87463		
3610426.22	|	12.23384	11.90257	11.58814	11.28311 11.06549
10.64469	10.59011	10.33611	10.03496		
3610413.01	|	12.45057	12.11394	11.71244	11.40264 11.18143
10.82439	10.76703	10.50893	10.19896		
3610399.80	|	12.72697	12.32603	11.91687	11.67837 11.44789
11.01173	10.94886	10.68348	10.30191		
3610386.59	|	12.99995	12.53033	12.20473	11.95661 11.64521
11.27485	11.06341	10.79416	10.40704		
3610373.38	|	13.20262	12.80325	12.40447	12.15015 11.76967
11.46549	11.24805	10.97572	10.64829		
3610360.17	|	13.40600	13.05881	12.67049	12.28054 11.89489
11.66040	11.36568	11.15605	10.95639		
3610346.96	|	13.60838	13.25680	12.91957	12.47448 12.02054
11.85347	11.48365	11.33997	11.13484		
3610333.75		13.75756	13.50507	13.16412	12.72954 12.28614
11.90516	11.45710	11.31812	11.11486		

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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491338.76	491359.56	491380.36
3610597.95	7.83337	8.02350	8.00902
3610584.74	7.92321	8.11450	8.09861
3610571.53	8.01398	8.20682	8.18978
3610558.32	8.15797	8.25049	8.23368
3610545.11	8.25156	8.24237	8.27690
3610531.90	8.45086	8.43699	8.36740
3610518.69	8.65150	9.43394	8.81124
3610505.48	8.85283	10.06574	9.22172
3610492.27	8.94467	9.88581	9.04645
3610479.06	9.03530	9.39565	8.87076
3610465.85	9.23895	9.20744	8.79655
3610452.64	9.38676	9.29659	8.82527
3610439.43	9.59490	9.32850	8.85213
3610426.22	9.74814	9.41740	8.76653
3610413.01	9.90496	9.45003	8.61987
3610399.80	10.00357	9.48342	8.93202
3610386.59	10.10436	9.51686	9.19275
3610373.38	10.20667	9.61114	9.34175
3610360.17	10.44071	9.70623	9.43314
3610346.96	10.54568	9.80171	9.52497
3610333.75	10.45041	9.96094	9.67863

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***
INCLUDING SOURCE(S): L0000498 , L0000499
, L0000500 , L0000501 , L0000502 ,
L0000503 , L0000504 , L0000505 , L0000506 , L0000507
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L0000519 , L0000520 , L0000521 , L0000522 , L0000523
, L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491443.37	491360.32	491376.93	491393.54	491410.15 491426.76
491459.98	491476.59	491493.20		

3610184.45	11.95351	11.49515	11.12554	11.03784	10.75286
10.41490	9.84128	9.40839	9.10636		
3610142.84	12.62791	12.16117	11.76835	11.38831	11.22535
10.99811	10.58930	10.07048	9.44534		
3610101.23	13.03479	12.62698	12.14391	11.60681	11.37191
11.27696	10.98443	10.44618	9.86347		
3610059.62	13.06169	12.87329	12.60531	12.19618	11.87238
11.49154	11.39427	11.10021	10.68620		
3610018.01	13.40138	13.20796	12.93662	12.58875	12.25197
11.92806	11.54519	11.24426	11.01929		
3609976.40	13.76628	13.56765	13.36815	13.08729	12.65409
12.24116	11.76972	11.53056	11.29781		
3609934.79	14.05699	13.85720	13.56745	13.36697	13.00284
12.65049	12.30988	11.97993	11.73247		
3609893.18	15.04887	14.82550	14.50791	14.10782	13.62884
13.25305	12.81009	12.46107	12.12161		
3609851.57	15.91970	15.38103	14.85564	14.62489	14.30323
13.89925	13.42628	13.13637	12.85415		
3609809.96	16.82695	16.08723	15.52557	15.37622	15.02764
14.69256	14.27199	13.95194	13.55959		
3609768.35	17.77287	17.24939	16.78128	16.29734	16.01694
15.64680	15.09851	14.66668	14.41941		
3609726.74	18.73434	18.33495	17.86731	17.38748	16.89948
16.49878	16.10414	15.72487	15.26986		
3609685.13	19.89189	19.45228	18.95029	18.30681	17.87064
17.44185	17.10923	16.70614	16.30799		
3609643.52	20.93709	20.66152	20.24251	19.56888	19.10248

18.71285	18.20214	17.77123	17.34261			
3609601.91	|	22.46996	21.99646	21.45603	20.92596	20.47132
19.96398	19.40922	18.86665	18.33388			
3609560.30	|	24.18353	23.49938	22.96815	22.43858	21.77920
21.13678	20.51101	19.89846	19.28928			
3609518.69	|	26.17237	25.37993	24.58878	23.81393	23.13862
22.48342	21.76915	21.07216	20.28415			
3609477.08	|	28.77764	27.68932	26.67585	25.84224	25.03684
24.18119	23.27284	22.47285	21.68145			
3609435.47	|	31.53208	30.42490	29.28518	28.25740	27.12437
25.94590	25.14451	24.22293	23.33947			
3609393.86	|	34.69602	33.38136	32.06259	30.74532	29.42631
28.23905	27.33161	26.19658	25.11309			
3609352.25		38.55028	36.74607	35.02613	33.50078	32.02322
30.57471	29.26675	28.03114	26.93875			

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 172

*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
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 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)	
(METERS)	|	491509.81	491526.42	491543.03	491559.64	491576.25
491592.86	491609.47	491626.08	491642.69			

3610184.45	|	9.05391	8.94105	8.71317	8.37051	8.03421
7.70559	7.56299	7.42444	7.11920			
3610142.84	|	9.50665	9.38399	8.97051	8.61436	8.38959
8.16902	7.89553	7.57164	7.31508			

3610101.23	|	9.73548	9.54877	9.48512	9.06004	8.69895
8.40659		8.18407	7.96961	7.64089		
3610059.62	|	10.09684	9.77516	9.71057	9.39705	9.08591
8.84603		8.61411	8.32380	7.79410		
3610018.01	|	10.67008	10.26702	9.87227	9.67677	9.41889
9.17055		8.99317	8.75798	8.27332		
3609976.40	|	11.07063	10.64915	10.17139	10.03704	9.90532
9.64319		9.39188	9.20982	9.09627		
3609934.79	|	11.42083	11.11941	10.82733	10.61188	10.40321
10.20110		10.00461	9.81155	9.62237		
3609893.18	|	11.94214	11.69374	11.38308	11.15203	10.92856
10.64662		10.50148	10.29799	10.15991		
3609851.57	|	12.57876	12.38624	12.05377	11.87344	11.62839
11.39156		11.03407	10.75223	10.54229		
3609809.96	|	13.26232	13.05231	12.84657	12.64486	12.31019
11.98692		11.60827	11.24563	10.95962		
3609768.35	|	14.09378	13.86039	13.70913	13.33325	12.90177
12.49093		12.16448	11.85026	11.35228		
3609726.74	|	15.00420	14.66122	14.25510	13.93679	13.62956
13.19092		12.77385	12.37185	11.98572		
3609685.13	|	16.00736	15.54686	15.02163	14.60235	14.11668
13.65817		13.21936	12.86656	12.45693		
3609643.52	|	16.92505	16.34976	15.70374	15.08755	14.65933
14.32722		13.85870	13.40568	12.96932		
3609601.91	|	17.62150	16.99227	16.47523	15.90207	15.43438
15.07022		14.56538	14.07758	13.68113		
3609560.30	|	18.69007	18.00540	17.43895	16.81366	16.29795
15.72317		15.33516	14.88362	14.44926		
3609518.69	|	19.69972	19.13574	18.50842	17.73002	17.16106
16.70160		16.18128	15.60226	15.04211		
3609477.08	|	21.01905	20.27557	19.47280	18.80092	18.15794
17.71886		17.12877	16.56782	16.03104		
3609435.47	|	22.29327	21.55749	20.95361	20.18972	19.46213
18.59173		18.20274	17.74152	16.98201		
3609393.86	|	23.98547	23.04647	22.25262	21.49258	20.58364
19.62257		18.89694	18.21122	17.55878		
3609352.25		25.84430	24.57661	23.27251	22.52496	21.81657
20.76329		19.86127	19.09896	18.55627		

*** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,

, L0000508 , L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000516 , L0000509 , L0000510 ,
 , L0000516 , L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000524 , L0000517 , L0000518 ,
 , L0000524 , L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491659.30	491675.91	491692.52
3610184.45	6.99136	6.92174	6.63660
3610142.84	7.18210	7.10932	6.98221
3610101.23	7.43937	7.30272	7.16984
3610059.62	7.46249	7.32223	7.42615
3610018.01	7.99065	7.77680	7.81495
3609976.40	8.98437	8.75379	8.58770
3609934.79	9.37369	9.19563	8.89859
3609893.18	9.90799	9.65730	9.47064
3609851.57	10.27917	10.02103	9.76336
3609809.96	10.68472	10.41892	10.15443
3609768.35	11.06620	10.85260	10.57782
3609726.74	11.61236	11.25059	10.95855
3609685.13	11.99063	11.53261	11.29094
3609643.52	12.54701	12.20949	11.80660
3609601.91	13.29901	12.85643	12.49959
3609560.30	14.02990	13.62674	13.30921
3609518.69	14.66006	14.43973	13.86067
3609477.08	15.51410	15.09357	14.68999
3609435.47	16.33599	15.63419	15.42951
3609393.86	16.93721	16.42870	15.86267
3609352.25	17.70242	16.79416	16.35952

*** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499

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, L0000500      , L0000501      , L0000502      ,
                  L0000503      , L0000504      , L0000505      , L0000506      , L0000507
, L0000508      , L0000509      , L0000510      ,
                  L0000511      , L0000512      , L0000513      , L0000514      , L0000515
, L0000516      , L0000517      , L0000518      ,
                  L0000519      , L0000520      , L0000521      , L0000522      , L0000523
, L0000524      , L0000525      , . . .          ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	14.99488	491278.96
3610288.22	11.98758		
491317.19	3610288.22	11.42036	491355.42
3610288.22	10.76503		
491393.65	3610342.70	9.39223	491431.88
3610342.70	8.82927		
491470.11	3610342.70	8.43724	491508.34
3610342.70	8.00238		
491546.57	3610342.70	7.56915	491584.80
3610342.70	6.88614		
491623.03	3610342.70	6.49255	491508.34
3610397.18	7.34923		
491546.57	3610397.18	6.94187	491584.80
3610397.18	6.60830		
491623.03	3610397.18	6.27302	491508.34
3610451.66	7.02525		
491546.57	3610451.66	6.67652	491584.80
3610451.66	6.46122		
491623.03	3610451.66	6.10720	491508.34
3610506.14	7.06559		
491546.57	3610506.14	6.64522	491584.80
3610506.14	6.39795		
491623.03	3610506.14	6.03607	491508.34
3610560.62	6.78382		
491546.57	3610560.62	6.45258	491584.80
3610560.62	6.19041		
491623.03	3610560.62	5.92816	491087.81
3610615.10	9.98905		
491126.04	3610615.10	9.52321	491508.34
3610615.10	6.33077		
491546.57	3610615.10	6.20553	491584.80
3610615.10	5.88643		

491623.03	3610615.10	5.53462	491087.81
3610669.58	9.00397		
491126.04	3610669.58	8.66189	491508.34
3610669.58	6.00761		
491546.57	3610669.58	5.97618	491584.80
3610669.58	5.74409		
491623.03	3610669.58	5.58037	491546.57
3610724.06	5.49268		
491584.80	3610724.06	5.15955	491623.03
3610724.06	4.96919		
491546.57	3610778.54	5.28583	491584.80
3610778.54	5.14354		
491623.03	3610778.54	4.63451	490934.89
3610833.02	7.58683		
490973.12	3610833.02	7.52692	491011.35
3610833.02	7.31218		
491049.58	3610833.02	7.05689	491087.81
3610833.02	7.02343		
491126.04	3610833.02	6.85197	491164.27
3610833.02	6.58447		
491202.50	3610833.02	6.29384	491240.73
3610833.02	6.02260		
491278.96	3610833.02	5.78966	491317.19
3610833.02	5.64901		
491355.42	3610833.02	5.38755	491393.65
3610833.02	5.14548		
491431.88	3610833.02	5.02678	491470.11
3610833.02	4.99383		
491508.34	3610833.02	4.74199	491546.57
3610833.02	4.68295		
491584.80	3610833.02	4.77731	491623.03
3610833.02	4.47180		
490934.89	3610887.50	6.87502	490973.12
3610887.50	6.76300		
491011.35	3610887.50	6.65679	491049.58
3610887.50	6.41035		
491087.81	3610887.50	6.23262	491126.04
3610887.50	6.38600		
491164.27	3610887.50	6.15480	491202.50
3610887.50	5.83336		
491240.73	3610887.50	5.53032	491278.96
3610887.50	5.35365		
491317.19	3610887.50	5.22629	491355.42
3610887.50	4.97957		
491393.65	3610887.50	4.71458	491431.88
3610887.50	4.74223		
491470.11	3610887.50	4.55678	491508.34
3610887.50	4.42350		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	4.27213	491584.80
3610887.50	4.18816		
491623.03	3610887.50	4.09579	490858.43
3610941.98	6.57703		
490896.66	3610941.98	6.30369	490934.89
3610941.98	6.04102		
490973.12	3610941.98	5.91330	491011.35
3610941.98	5.83878		
491049.58	3610941.98	6.04901	491087.81
3610941.98	6.02268		
491126.04	3610941.98	5.95931	491164.27
3610941.98	5.71681		
491202.50	3610941.98	5.43908	491240.73
3610941.98	4.92040		
491278.96	3610941.98	4.92600	491317.19
3610941.98	4.82338		
491355.42	3610941.98	4.73629	491393.65
3610941.98	4.55884		
491431.88	3610941.98	4.40753	491470.11
3610941.98	4.18670		
491508.34	3610941.98	4.05800	491546.57
3610941.98	3.99647		
491584.80	3610941.98	3.90055	491623.03

3610941.98	3.82115		
490858.43	3610996.46	6.05312	490896.66
3610996.46	5.76065		
490934.89	3610996.46	5.51113	490973.12
3610996.46	5.15886		
491011.35	3610996.46	5.54241	491049.58
3610996.46	5.60273		
491087.81	3610996.46	5.69226	491126.04
3610996.46	5.53941		
491164.27	3610996.46	5.26804	491202.50
3610996.46	4.94818		
491240.73	3610996.46	4.69385	491278.96
3610996.46	4.60669		
491317.19	3610996.46	4.51614	491355.42
3610996.46	4.42018		
491393.65	3610996.46	4.24170	491431.88
3610996.46	4.05522		
491470.11	3610996.46	3.93653	491508.34
3610996.46	3.76665		
491546.57	3610996.46	3.76800	491584.80
3610996.46	3.61160		
491623.03	3610996.46	3.64324	490858.43
3611050.94	5.36779		
490896.66	3611050.94	4.88390	490934.89
3611050.94	4.81637		
490973.12	3611050.94	4.91231	491011.35
3611050.94	4.80754		
491049.58	3611050.94	5.16649	491087.81
3611050.94	5.29604		
491126.04	3611050.94	5.18515	491164.27
3611050.94	4.91097		
491202.50	3611050.94	4.72936	491240.73
3611050.94	4.56267		
491278.96	3611050.94	4.29393	491317.19
3611050.94	4.12400		
491355.42	3611050.94	4.00012	491393.65
3611050.94	3.91897		
491431.88	3611050.94	3.79491	491470.11
3611050.94	3.56755		
491508.34	3611050.94	3.49389	491546.57
3611050.94	3.41635		
491584.80	3611050.94	3.42346	491623.03
3611050.94	3.34596		
490858.43	3611105.42	4.95416	490896.66
3611105.42	4.65291		
490934.89	3611105.42	4.55436	490973.12
3611105.42	4.41652		
491011.35	3611105.42	4.51092	491049.58
3611105.42	5.03086		
491087.81	3611105.42	4.96068	491126.04

3611105.42	4.81206			
491164.27	3611105.42	4.72526		491202.50
3611105.42	4.54138			
491240.73	3611105.42	4.38822		491278.96
3611105.42	4.13533			
491317.19	3611105.42	3.91233		491355.42
3611105.42	3.77447			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
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 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	3.61567	491431.88
3611105.42	3.43429		
491470.11	3611105.42	3.38736	491508.34
3611105.42	3.14382		
491546.57	3611105.42	3.13762	491584.80
3611105.42	3.18340		
491623.03	3611105.42	3.00431	490858.43
3611159.90	4.63619		
490896.66	3611159.90	4.39475	490934.89
3611159.90	4.22792		
490973.12	3611159.90	4.25103	491011.35
3611159.90	4.40602		
491049.58	3611159.90	4.65211	491087.81
3611159.90	4.56012		

491126.04	3611159.90	4.52316	491164.27
3611159.90	4.45919		
491202.50	3611159.90	4.20444	491240.73
3611159.90	3.99234		
491278.96	3611159.90	3.86097	491317.19
3611159.90	3.71165		
491355.42	3611159.90	3.53358	491393.65
3611159.90	3.38611		
491431.88	3611159.90	3.21709	491470.11
3611159.90	3.03692		
491508.34	3611159.90	2.90350	491546.57
3611159.90	2.89734		
491584.80	3611159.90	2.87561	491623.03
3611159.90	2.70523		
490858.43	3611214.38	4.22895	490896.66
3611214.38	4.02395		
490934.89	3611214.38	3.98302	490973.12
3611214.38	3.96594		
491011.35	3611214.38	4.33953	491049.58
3611214.38	4.29522		
491087.81	3611214.38	4.30241	491126.04
3611214.38	4.32042		
491164.27	3611214.38	4.13423	491202.50
3611214.38	3.91032		
491240.73	3611214.38	3.73094	491278.96
3611214.38	3.50669		
491317.19	3611214.38	3.40565	491355.42
3611214.38	3.18903		
491393.65	3611214.38	3.15378	491431.88
3611214.38	3.05397		
491470.11	3611214.38	2.79617	491508.34
3611214.38	2.72874		
491546.57	3611214.38	2.65527	491584.80
3611214.38	2.51693		
491623.03	3611214.38	2.39504	490858.43
3611268.86	3.88399		
490896.66	3611268.86	3.72849	490934.89
3611268.86	3.59840		
490973.12	3611268.86	3.76649	491011.35
3611268.86	3.86408		
491049.58	3611268.86	3.95969	491087.81
3611268.86	3.99968		
491126.04	3611268.86	4.00185	491164.27
3611268.86	3.85562		
491202.50	3611268.86	3.68857	491240.73
3611268.86	3.45024		
491278.96	3611268.86	3.20142	491317.19
3611268.86	3.19078		
491355.42	3611268.86	3.06435	491393.65
3611268.86	2.98934		

491431.88	3611268.86	2.84415	491470.11
3611268.86	2.70301		
491508.34	3611268.86	2.56219	491546.57
3611268.86	2.45496		
491584.80	3611268.86	2.29815	491623.03
3611268.86	2.14390		
490858.43	3611323.34	3.73686	490896.66
3611323.34	3.55567		
490934.89	3611323.34	3.41128	490973.12
3611323.34	3.55421		
491011.35	3611323.34	3.60341	491049.58
3611323.34	3.58619		
491087.81	3611323.34	3.69148	491126.04
3611323.34	3.71195		
491164.27	3611323.34	3.61068	491202.50
3611323.34	3.45300		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
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 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	3.26138	491278.96
3611323.34	3.07010		
491317.19	3611323.34	3.02163	491355.42
3611323.34	2.89806		
491393.65	3611323.34	2.78990	491431.88

3611323.34	2.59879		
491470.11	3611323.34	2.49747	491508.34
3611323.34	2.37445		
491546.57	3611323.34	2.23289	491584.80
3611323.34	2.11030		
491623.03	3611323.34	1.94871	491583.40
3608705.27	29.34461		
491577.37	3608727.37	30.04454	491573.36
3608753.50	30.51834		
491562.30	3608782.64	31.98451	491565.32
3608775.60	31.54349		
491547.23	3608819.81	33.66785	491545.22
3608840.91	33.92501		
491533.16	3608877.09	36.03188	491524.12
3608898.19	37.27765		
491522.11	3608915.27	37.42027	491520.10
3608925.32	37.58120		
491511.06	3608945.41	38.76805	491507.04
3608961.49	39.29545		
491499.00	3608982.59	40.28218	491498.00
3608992.64	40.24837		
491490.96	3609007.71	41.07473	491484.93
3609030.82	41.67888		
491478.91	3609048.91	42.25827	491470.87
3609072.02	42.88263		
491461.82	3609094.12	43.60321	491450.77
3609114.22	44.89942		
491449.77	3609129.29	44.34198	491443.74
3609145.37	44.53244		
491439.72	3609164.46	44.08000	491434.69
3609178.52	44.13694		
491424.65	3609198.62	44.42736	491418.62
3609216.71	43.84548		
491414.60	3609231.78	43.10188	491409.57
3609244.84	42.64327		
491398.52	3609273.98	41.40642	491397.52
3609289.05	40.04121		
491388.47	3609312.16	38.94527	491383.45
3609329.24	38.01197		
491377.42	3609354.36	36.49392	491374.41
3609371.44	35.31872		
491361.34	3609405.61	33.66429	491355.32
3609423.69	32.71170		
491340.24	3609470.92	30.21536	491324.17
3609526.18	27.47707		
491329.19	3609504.08	28.46969	491314.12
3609546.28	26.74065		
491302.06	3609575.42	25.64050	491296.03
3609594.51	25.06608		
491286.99	3609618.62	24.36846	491279.96

3609632.69	24.03735			
491274.93	3609648.77	23.66404		491269.91
3609666.85	23.08250			
491264.88	3609679.92	22.70500		491259.86
3609700.01	22.10755			
491269.76	3609874.49	17.52844		491098.46
3610169.21	17.04443			
491115.74	3610172.91	16.81414		491105.25
3610150.69	17.70720			
491109.57	3610134.65	18.04873		491108.33
3610125.39	18.06633			
491113.27	3610114.29	17.87586		491118.82
3610099.48	17.80192			
491122.52	3610087.75	17.84908		491127.46
3610070.47	18.12988			
491131.78	3610051.96	18.83515		491136.72
3610040.85	18.88409			
491138.57	3610034.07	18.74008		491139.80
3610021.73	18.47237			
491157.08	3610005.06	18.32763		491166.95
3609998.89	18.07048			
491178.68	3609984.70	17.55415		491174.98
3609963.10	18.08669			
491184.23	3609965.57	17.62961		491176.21
3609942.12	18.27763			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3609920.53	491184.23	3609944.59	17.95081	491179.91
3609903.25	491191.64	3609922.99	18.11295	491189.17
3609882.27	491198.42	3609906.95	18.54241	491194.72
3609866.84	491205.83	3609887.20	18.35663	491200.89
3609864.99	491205.83	3609849.56	19.96096	491212.62
3609903.25	491303.94	3609929.78	15.96737	491267.54
3609896.46	491277.41	3609879.18	17.26201	491324.31
3610139.59	491135.48	3610120.46	17.26749	491124.99
3610145.14	491130.55	3610141.44	17.13858	491142.89
3610156.25	491165.10	3610151.31	16.14958	491172.51
3610158.72	491183.00	3610155.01	15.70757	491190.40
3610130.33	491197.81	3610138.97	15.51661	491162.02
3610115.52	491150.91	3610113.67	16.93240	491164.49
3610125.39	491178.06	3610123.54	16.14775	491189.17
3610084.05	491197.81	3610126.63	15.64668	491158.93
3610090.84	491175.59	3610088.37	16.62514	491188.55
3610069.86	491202.13	3610096.39	15.89389	491252.11
3610128.48	491240.39	3610095.77	14.97774	491232.36
3610179.70	491220.02	3610152.55	14.78227	491213.85
3610095.16	491204.60	3610206.85	14.55427	491297.77
3610169.21	491316.29	3610102.56	13.43218	491271.24
3609806.98	491296.54	3610170.44	12.96681	491224.34
3609769.96	491232.36	3609786.00	20.42538	491240.39
		20.65490		

491245.94	3609753.92	21.01330	491250.26
3609731.08	21.54190		
491255.20	3609716.89	21.71622	491354.41
3609557.94	24.55559		
491349.69	3609575.67	24.06905	491331.95
3609630.05	22.40816		
491310.67	3609696.25	20.93606	491301.22
3609737.63	20.05318		
491289.40	3609771.91	19.35895	491276.39
3609801.46	19.00798		
491310.67	3609805.01	17.87947	492077.18
3610785.74	2.70778		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
	490903.38	490928.68	490953.98	490979.28 491004.58
491029.88	491055.18	491080.48	491105.78	

3610794.59	|	3.15679	3.02492	2.96043	2.91556	2.88492
2.89830	|	2.91835	2.92180	2.89781		
3610785.63	|	3.21375	3.08005	3.01584	2.96918	2.96451
2.97444	|	2.97831	2.97712	2.94464		
3610776.67	|	3.25940	3.15701	3.06658	3.04668	3.02237
3.03693	|	3.06161	3.03096	3.00650		
3610767.71	|	3.31947	3.19778	3.12558	3.10488	3.10717
3.12192	|	3.12560	3.09924	3.05456		
3610758.75	|	3.38099	3.27539	3.20379	3.18935	3.19024
3.18917	|	3.18868	3.15322	3.11675		
3610749.79	|	3.42794	3.33933	3.26644	3.25455	3.25995
3.28206	|	3.24992	3.22344	3.16973		
3610740.83	|	3.51625	3.40906	3.35664	3.34684	3.35378
3.35497	|	3.32718	3.28004	3.24279		

3610731.87	3.56490	3.47796	3.44957	3.43851	3.43056
3.42685	3.38989	3.35216	3.32187		
3610722.91	3.65565	3.54774	3.52491	3.51775	3.53394
3.49827	3.47041	3.43086	3.39210		
3610713.95	3.73188	3.64773	3.62580	3.62116	3.61701
3.58602	3.55002	3.50003	3.48882		
3610704.99	3.81151	3.72888	3.72752	3.73008	3.70020
3.67528	3.62153	3.59367	3.57671		
3610696.03	3.91276	3.83875	3.81773	3.82431	3.78300
3.75239	3.71385	3.69723	3.69100		
3610687.07	3.98631	3.95149	3.93317	3.92025	3.88432
3.84556	3.81502	3.79410	3.81622		
3610678.11	4.10323	4.04869	4.05582	4.01735	3.98794
3.94733	3.90889	3.91753	3.93587		
3610669.15	4.20526	4.17062	4.16481	4.13085	4.09253
4.04141	4.03269	4.05277	4.08960		
3610660.19	4.33395	4.30142	4.27660	4.23288	4.19079
4.16273	4.16657	4.18451	4.25245		
3610651.23	4.44883	4.44127	4.39050	4.35473	4.31254
4.29706	4.31394	4.35247	4.40655		
3610642.27	4.58907	4.56834	4.52317	4.47946	4.44535
4.44311	4.45973	4.53050	4.56766		
3610633.31	4.74007	4.69980	4.66069	4.61503	4.59225
4.58863	4.64298	4.70177	4.73276		
3610624.35	4.90292	4.83509	4.79015	4.74548	4.73669
4.76713	4.83907	4.88051	4.91265		
3610615.39	5.05510	4.99217	4.94065	4.90703	4.91479
4.96855	5.03040	5.06419	5.10443		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491257.58	491131.08	491156.38	491181.68	491206.98
	491282.88	491308.18	491333.48	491232.28

3610794.59	2.85543	2.80599	2.78527	2.76567	2.76182
2.77096	2.79423	2.82095	2.82830		
3610785.63	2.90974	2.86457	2.83496	2.82212	2.84100
2.86011	2.88609	2.89799	2.91334		
3610776.67	2.95508	2.91212	2.90798	2.89992	2.90962
2.93466	2.96675	2.97687	2.99054		
3610767.71	3.01793	2.98252	2.96855	2.98465	3.00626
3.03517	3.04899	3.06691	3.08757		
3610758.75	3.07063	3.05951	3.05281	3.06003	3.08948
3.12175	3.13483	3.14920	3.16996		
3610749.79	3.14492	3.12599	3.12663	3.16394	3.19758
3.21294	3.23308	3.25287	3.27087		
3610740.83	3.20921	3.21603	3.22650	3.25501	3.29258
3.30504	3.32234	3.34146	3.35742		
3610731.87	3.29936	3.29740	3.33715	3.37191	3.39087
3.41130	3.43355	3.44953	3.46262		
3610722.91	3.39565	3.40487	3.43645	3.47684	3.49279
3.50820	3.53026	3.54361	3.55393		
3610713.95	3.48606	3.52431	3.56268	3.58491	3.60670
3.62809	3.64365	3.65756	3.66060		
3610704.99	3.60113	3.63426	3.67723	3.69539	3.71243
3.74743	3.76014	3.76788	3.75444		
3610696.03	3.73106	3.77127	3.79592	3.82039	3.84061
3.85627	3.86406	3.86975	3.86564		
3610687.07	3.85187	3.89739	3.91762	3.95393	3.96860
3.98158	3.98168	3.98537	3.97677		
3610678.11	4.00041	4.02890	4.05369	4.07465	4.08675
4.09418	4.09125	4.08594	4.07055		
3610669.15	4.14015	4.16306	4.19919	4.21309	4.22251
4.22270	4.21692	4.20301	4.17726		
3610660.19	4.28497	4.31196	4.33169	4.33934	4.35879
4.35292	4.34390	4.30405	4.26871		
3610651.23	4.43378	4.47124	4.48286	4.48561	4.48139
4.46910	4.45247	4.41869	4.37236		
3610642.27	4.59742	4.61733	4.63783	4.63011	4.62240
4.60258	4.57514	4.53132	4.46145		
3610633.31	4.77139	4.78272	4.78120	4.76411	4.74609
4.71874	4.68122	4.62849	4.56616		
3610624.35	4.94692	4.95188	4.93784	4.91546	4.89148
4.85149	4.80347	4.74358	4.65342		
3610615.39	5.11138	5.11876	5.09941	5.07160	5.03404
4.98444	4.92593	4.84236	4.74140		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
---------------------	--	--	--	------------------

3610794.59	2.85253	2.87404	2.88646
3610785.63	2.94216	2.95758	2.95741
3610776.67	3.01642	3.03214	3.04587
3610767.71	3.10629	3.10853	3.12035
3610758.75	3.18523	3.20301	3.21032
3610749.79	3.28121	3.29513	3.28600
3610740.83	3.36946	3.37898	3.37822
3610731.87	3.46874	3.47689	3.45273
3610722.91	3.55887	3.56070	3.54611
3610713.95	3.66220	3.65848	3.61960
3610704.99	3.74895	3.74058	3.71118
3610696.03	3.85267	3.83601	3.78306
3610687.07	3.93732	3.91349	3.87050
3610678.11	4.03875	4.00010	3.95272
3610669.15	4.13657	4.07142	4.02001
3610660.19	4.22163	4.15747	4.08541
3610651.23	4.31750	4.23278	4.14832
3610642.27	4.39700	4.30567	4.21051
3610633.31	4.47765	4.37225	4.26428
3610624.35	4.55191	4.43920	4.32209
3610615.39	4.62068	4.49598	4.37066

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
	490964.36	490985.16	491005.96	491026.76	491047.56
491068.36	491089.16	491109.96	491130.76		

3610597.95	5.27262	5.28767	5.32443	5.38138	5.41732
5.44514	5.46372	5.48202	5.46899		
3610584.74	5.57375	5.62045	5.67685	5.71630	5.74824
5.76743	5.78439	5.76814	5.74387		
3610571.53	5.94710	6.00163	6.04423	6.07944	6.10060
6.11590	6.09569	6.06604	6.02768		
3610558.32	6.36045	6.40535	6.44421	6.46661	6.48120
6.45587	6.41935	6.37447	6.31872		
3610545.11	6.80518	6.84774	6.87178	6.88469	6.85476
6.81089	6.75653	6.70711	6.63312		
3610531.90	7.29633	7.32236	7.33393	7.29865	7.26580
7.20100	7.12282	7.03683	6.92369		
3610518.69	7.82690	7.83688	7.79567	7.75466	7.67780
7.58990	7.48897	7.35620	7.21121		
3610505.48	8.40517	8.37416	8.30675	8.21603	8.11108
7.99751	7.84379	7.67006	7.48344		
3610492.27	9.01416	8.93571	8.84804	8.72528	8.57055
8.39433	8.19244	7.96906	7.73380		
3610479.06	9.67752	9.55617	9.41146	9.22544	9.01686
8.78288	8.52148	8.24325	7.95443		
3610465.85	10.37765	10.20712	9.98288	9.73024	9.44971
9.14477	8.81944	8.48023	8.13385		
3610452.64	11.13972	10.86865	10.55669	10.21963	9.85110
9.46858	9.07581	8.67263	8.27192		
3610439.43	11.91802	11.53458	11.11173	10.67511	10.20819
9.74288	9.27907	8.82178	8.37410		
3610426.22	12.70390	12.17891	11.62901	11.07274	10.50659
9.95846	9.43487	8.92973	8.43572		
3610413.01	13.45324	12.76567	12.08048	11.39992	10.73848
10.11795	9.53728	8.99152	8.47253		
3610399.80	14.11152	13.25187	12.43953	11.64747	10.90696
10.22499	9.60353	9.02400	8.48359		
3610386.59	14.64663	13.62767	12.70512	11.81852	11.01307
10.29168	9.62841	9.02693	8.47644		
3610373.38	15.03752	13.88675	12.86199	11.91374	11.06815
10.31592	9.63616	9.02225	8.46297		
3610360.17	15.27680	14.02295	12.93024	11.94828	11.08631
10.31228	9.62236	9.00501	8.44470		

3610346.96	15.36560	14.06175	12.93277	11.93461	11.06551
10.28513	9.59490	8.97501	8.41286		
3610333.75	15.32125	14.02658	12.89166	11.89454	11.02658
10.25413	9.59377	8.97930	8.42372		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491255.56	491151.56	491172.36	491193.16	491213.96	491234.76
491276.36	491297.16	491317.96			

3610597.95	5.45267	5.42948	5.39881	5.34075	5.29160
5.23499	5.15890	5.07245	4.97611		
3610584.74	5.71470	5.67606	5.63104	5.57496	5.49422
5.40871	5.31245	5.21008	5.09603		
3610571.53	5.98101	5.92680	5.86718	5.77865	5.67558
5.57119	5.45439	5.33264	5.20299		
3610558.32	6.25408	6.18305	6.08774	5.97761	5.84860
5.72364	5.58295	5.44143	5.29894		
3610545.11	6.53371	6.42362	6.30021	6.16317	6.00958
5.85659	5.69302	5.53642	5.37238		
3610531.90	6.79530	6.65292	6.50094	6.33475	6.15110
5.97046	5.78902	5.60927	5.42946		
3610518.69	7.04530	6.86789	6.68100	6.48143	6.27344
6.06210	5.85776	5.66048	5.46618		
3610505.48	7.27563	7.06153	6.83475	6.60279	6.37144
6.12670	5.90874	5.68976	5.48012		
3610492.27	7.48209	7.22536	6.96239	6.70164	6.44315
6.17691	5.94012	5.70560	5.48162		
3610479.06	7.65696	7.36007	7.06203	6.77173	6.49104
6.20672	5.95115	5.70163	5.46700		
3610465.85	7.79320	7.45762	7.13040	6.81306	6.51435
6.21571	5.94489	5.68460	5.44104		

3610452.64	7.89434	7.52434	7.17172	6.83201	6.51234
6.21063	5.92588	5.65354	5.40781		
3610439.43	7.95660	7.55847	7.18160	6.82768	6.49170
6.18738	5.89092	5.61638	5.36580		
3610426.22	7.99207	7.57001	7.17626	6.80893	6.46251
6.15373	5.84930	5.57558	5.32451		
3610413.01	8.00145	7.56247	7.15907	6.78238	6.43418
6.11787	5.81244	5.53894	5.28893		
3610399.80	7.98611	7.53867	7.13215	6.75121	6.40027
6.08589	5.78167	5.50942	5.26387		
3610386.59	7.96823	7.52080	7.10578	6.72293	6.37446
6.05736	5.76062	5.48977	5.24536		
3610373.38	7.95325	7.49841	7.08422	6.70140	6.35607
6.03741	5.74214	5.47241	5.22584		
3610360.17	7.93306	7.47513	7.06090	6.68362	6.33922
6.01936	5.72740	5.45620	5.22131		
3610346.96	7.92355	7.46763	7.05362	6.68005	6.33931
6.01974	5.73123	5.48098	5.23226		
3610333.75	7.92247	7.46875	7.05893	6.68789	6.36450
6.05274	5.76782	5.49868	5.25110		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
491338.76	491359.56	491380.36	

3610597.95	4.86690	4.74108	4.62123
3610584.74	4.96819	4.82845	4.69401
3610571.53	5.06036	4.90365	4.76159
3610558.32	5.13567	4.97435	4.81492
3610545.11	5.20034	5.03005	4.85410
3610531.90	5.24553	5.05734	4.87558
3610518.69	5.26870	5.02658	4.86210

3610505.48	5.27447	4.99775	4.83893
3610492.27	5.27256	5.00089	4.83381
3610479.06	5.25621	5.00615	4.82457
3610465.85	5.21932	4.99090	4.79983
3610452.64	5.17980	4.95128	4.76300
3610439.43	5.13224	4.91486	4.72820
3610426.22	5.09171	4.87934	4.70687
3610413.01	5.05772	4.85396	4.69649
3610399.80	5.03426	4.83503	4.65689
3610386.59	5.01695	4.82130	4.62838
3610373.38	5.00307	4.80650	4.61014
3610360.17	5.00014	4.80734	4.61127
3610346.96	5.01260	4.81821	4.62255
3610333.75	5.03332	4.82939	4.63387

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 185

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
	491360.32	491376.93	491393.54	491410.15	491426.76
491443.37	491459.98	491476.59	491493.20		

3610184.45	5.47681	5.32537	5.15487	5.01483	4.87983
4.74952	4.62542	4.48297	4.36788		
3610142.84	5.37482	5.24771	5.12375	4.98191	4.86497
4.75113	4.62203	4.51796	4.41861		
3610101.23	5.02978	4.93106	4.83509	4.74207	4.64675
4.55133	4.46064	4.37575	4.29448		
3610059.62	4.52097	4.45210	4.39142	4.32682	4.26063
4.19612	4.12565	4.05997	3.99752		
3610018.01	3.95620	3.91331	3.87905	3.83890	3.79769
3.75547	3.71428	3.67891	3.63268		
3609976.40	3.43709	3.40987	3.38942	3.36284	3.33955
3.31553	3.30124	3.27080	3.23966		

3609934.79	2.98938	2.97449	2.96026	2.94215	2.92760
2.92086	2.90510	2.88790	2.86670		
3609893.18	2.58549	2.58015	2.57519	2.57135	2.56852
2.56259	2.55786	2.54957	2.54046		
3609851.57	2.24309	2.24699	2.25104	2.24832	2.24665
2.24571	2.24634	2.24151	2.23570		
3609809.96	1.96844	1.97321	1.97570	1.97167	1.97107
1.97037	1.97116	1.96972	1.96940		
3609768.35	1.75385	1.75108	1.74850	1.74682	1.74320
1.74112	1.74263	1.74276	1.73945		
3609726.74	1.58918	1.57912	1.57189	1.56621	1.56208
1.55765	1.55417	1.55131	1.55024		
3609685.13	1.46246	1.44740	1.43559	1.42765	1.41833
1.41055	1.40282	1.39737	1.39278		
3609643.52	1.36950	1.34792	1.32999	1.31731	1.30407
1.29155	1.28269	1.27398	1.26662		
3609601.91	1.29465	1.27218	1.25202	1.23360	1.21612
1.20089	1.18813	1.17735	1.16805		
3609560.30	1.23734	1.21372	1.19024	1.16897	1.15051
1.13356	1.11874	1.10484	1.09243		
3609518.69	1.18795	1.16528	1.14274	1.12102	1.10027
1.08065	1.06336	1.04816	1.03485		
3609477.08	1.13766	1.11865	1.09871	1.07764	1.05637
1.03636	1.01871	1.00127	0.98558		
3609435.47	1.08658	1.06937	1.05265	1.03424	1.01633
0.99928	0.97912	0.96114	0.94378		
3609393.86	1.03584	1.01980	1.00450	0.98968	0.97537
0.95952	0.94106	0.92497	0.90847		
3609352.25	0.98746	0.97194	0.95768	0.94338	0.93068
0.91795	0.90484	0.89066	0.87506		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	491509.81	491526.42	491543.03	491559.64	491576.25

491592.86 491609.47 491626.08 491642.69

3610184.45	|	4.25340	4.14316	4.03793	3.93813	3.81543
3.72511		3.63394	3.54561	3.46476		
3610142.84	|	4.31274	4.21163	4.09396	4.00268	3.91141
3.82210		3.73602	3.64353	3.56358		
3610101.23	|	4.19551	4.11291	4.02906	3.95331	3.85675
3.78303		3.70874	3.63528	3.56602		
3610059.62	|	3.94909	3.88647	3.81725	3.75545	3.69420
3.63170		3.56980	3.51034	3.45967		
3610018.01	|	3.59006	3.54924	3.50824	3.45995	3.41360
3.37625		3.32765	3.28112	3.24394		
3609976.40	|	3.20730	3.18166	3.16761	3.13080	3.09338
3.06072		3.02760	2.99930	2.96093		
3609934.79	|	2.85597	2.83619	2.81532	2.79041	2.77293
2.74711		2.72049	2.69334	2.67343		
3609893.18	|	2.52486	2.51105	2.49864	2.48242	2.46520
2.45831		2.43714	2.41764	2.39457		
3609851.57	|	2.22926	2.21925	2.21325	2.20134	2.19106
2.18019		2.17364	2.16395	2.15108		
3609809.96	|	1.96648	1.96057	1.95385	1.94658	1.94265
1.93829		1.93555	1.93240	1.92649		
3609768.35	|	1.73776	1.73403	1.72809	1.72702	1.72757
1.72811		1.72602	1.72341	1.72770		
3609726.74	|	1.54655	1.54443	1.54368	1.54152	1.53922
1.54027		1.54144	1.54260	1.54400		
3609685.13	|	1.38767	1.38585	1.38570	1.38483	1.38552
1.38670		1.38826	1.38810	1.38995		
3609643.52	|	1.26017	1.25702	1.25641	1.25690	1.25537
1.25268		1.25367	1.25494	1.25688		
3609601.91	|	1.16220	1.15672	1.15116	1.14794	1.14425
1.14019		1.13959	1.13996	1.13894		
3609560.30	|	1.08160	1.07355	1.06564	1.06013	1.05436
1.05079		1.04554	1.04220	1.03981		
3609518.69	|	1.02107	1.00816	0.99766	0.99074	0.98289
0.97490		0.96906	0.96551	0.96284		
3609477.08	|	0.97022	0.95685	0.94624	0.93517	0.92521
0.91376		0.90601	0.89916	0.89330		
3609435.47	|	0.92932	0.91399	0.89852	0.88662	0.87528
0.86733		0.85438	0.84351	0.83795		
3609393.86	|	0.89364	0.87770	0.86219	0.84742	0.83579
0.82687		0.81660	0.80750	0.79888		
3609352.25		0.86005	0.84673	0.83443	0.81789	0.80257
0.79175		0.78163	0.77125	0.75987		

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*** AERMET - VERSION 22112 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
	491659.30	491675.91	491692.52	

3610184.45	3.38199	3.30001	3.22771
3610142.84	3.48233	3.40109	3.32313
3610101.23	3.47824	3.40721	3.33693
3610059.62	3.40407	3.32304	3.25521
3610018.01	3.19967	3.15283	3.09597
3609976.40	2.92224	2.88813	2.85103
3609934.79	2.64850	2.62047	2.59772
3609893.18	2.38410	2.36562	2.34358
3609851.57	2.14008	2.12837	2.11580
3609809.96	1.92003	1.91310	1.90593
3609768.35	1.72437	1.71795	1.71376
3609726.74	1.54539	1.54664	1.54531
3609685.13	1.39409	1.39876	1.39650
3609643.52	1.25895	1.25932	1.26211
3609601.91	1.13858	1.14045	1.14076
3609560.30	1.03809	1.03699	1.03439
3609518.69	0.95791	0.95034	0.95149
3609477.08	0.88819	0.88231	0.87690
3609435.47	0.83253	0.82938	0.81868
3609393.86	0.79094	0.78240	0.77609
3609352.25	0.75365	0.74999	0.74008

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	8.06902	491278.96
3610288.22	5.88390		
491317.19	3610288.22	5.42032	491355.42
3610288.22	5.01506		
491393.65	3610342.70	4.50306	491431.88
3610342.70	4.19451		
491470.11	3610342.70	3.92755	491508.34
3610342.70	3.68015		
491546.57	3610342.70	3.45891	491584.80
3610342.70	3.27768		
491623.03	3610342.70	3.09875	491508.34
3610397.18	3.71106		
491546.57	3610397.18	3.49065	491584.80
3610397.18	3.28651		
491623.03	3610397.18	3.10246	491508.34
3610451.66	3.81296		
491546.57	3610451.66	3.58417	491584.80
3610451.66	3.36390		
491623.03	3610451.66	3.17974	491508.34
3610506.14	3.92292		
491546.57	3610506.14	3.69307	491584.80
3610506.14	3.46792		
491623.03	3610506.14	3.27794	491508.34
3610560.62	3.98760		
491546.57	3610560.62	3.76668	491584.80
3610560.62	3.55604		
491623.03	3610560.62	3.35887	491087.81
3610615.10	5.08675		
491126.04	3610615.10	5.11949	491508.34
3610615.10	3.91417		
491546.57	3610615.10	3.71447	491584.80
3610615.10	3.53727		
491623.03	3610615.10	3.37186	491087.81
3610669.58	4.04886		
491126.04	3610669.58	4.12671	491508.34
3610669.58	3.70796		
491546.57	3610669.58	3.55140	491584.80
3610669.58	3.40423		

491623.03	3610669.58	3.25028	491546.57
3610724.06	3.32905		
491584.80	3610724.06	3.22895	491623.03
3610724.06	3.11726		
491546.57	3610778.54	2.99913	491584.80
3610778.54	2.95172		
491623.03	3610778.54	2.91601	490934.89
3610833.02	2.80843		
490973.12	3610833.02	2.68704	491011.35
3610833.02	2.64270		
491049.58	3610833.02	2.63405	491087.81
3610833.02	2.66749		
491126.04	3610833.02	2.65935	491164.27
3610833.02	2.61530		
491202.50	3610833.02	2.54103	491240.73
3610833.02	2.50617		
491278.96	3610833.02	2.50271	491317.19
3610833.02	2.52087		
491355.42	3610833.02	2.54481	491393.65
3610833.02	2.55569		
491431.88	3610833.02	2.58051	491470.11
3610833.02	2.59177		
491508.34	3610833.02	2.61329	491546.57
3610833.02	2.61918		
491584.80	3610833.02	2.60785	491623.03
3610833.02	2.60737		
490934.89	3610887.50	2.58267	490973.12
3610887.50	2.43991		
491011.35	3610887.50	2.34467	491049.58
3610887.50	2.32134		
491087.81	3610887.50	2.34151	491126.04
3610887.50	2.35717		
491164.27	3610887.50	2.37338	491202.50
3610887.50	2.33503		
491240.73	3610887.50	2.27512	491278.96
3610887.50	2.22951		
491317.19	3610887.50	2.20884	491355.42
3610887.50	2.19450		
491393.65	3610887.50	2.21532	491431.88
3610887.50	2.21871		
491470.11	3610887.50	2.22052	491508.34
3610887.50	2.22616		

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***
 INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	2.25510	491584.80
3610887.50	2.26732		
491623.03	3610887.50	2.27706	490858.43
3610941.98	2.61125		
490896.66	3610941.98	2.54001	490934.89
3610941.98	2.39733		
490973.12	3610941.98	2.26912	491011.35
3610941.98	2.15405		
491049.58	3610941.98	2.08364	491087.81
3610941.98	2.06860		
491126.04	3610941.98	2.07390	491164.27
3610941.98	2.10348		
491202.50	3610941.98	2.11958	491240.73
3610941.98	2.10948		
491278.96	3610941.98	2.06526	491317.19
3610941.98	2.00699		
491355.42	3610941.98	1.97666	491393.65
3610941.98	1.95387		
491431.88	3610941.98	1.93581	491470.11
3610941.98	1.95260		
491508.34	3610941.98	1.95902	491546.57
3610941.98	1.94704		
491584.80	3610941.98	1.94721	491623.03
3610941.98	1.95432		
490858.43	3610996.46	2.38411	490896.66
3610996.46	2.33611		
490934.89	3610996.46	2.24036	490973.12
3610996.46	2.12386		
491011.35	3610996.46	2.00129	491049.58
3610996.46	1.90632		
491087.81	3610996.46	1.86351	491126.04
3610996.46	1.86140		
491164.27	3610996.46	1.87913	491202.50
3610996.46	1.91160		
491240.73	3610996.46	1.91116	491278.96
3610996.46	1.91215		

491317.19	3610996.46	1.86869	491355.42
3610996.46	1.81923		
491393.65	3610996.46	1.79024	491431.88
3610996.46	1.76357		
491470.11	3610996.46	1.74334	491508.34
3610996.46	1.74448		
491546.57	3610996.46	1.72940	491584.80
3610996.46	1.73417		
491623.03	3610996.46	1.71166	490858.43
3611050.94	2.15694		
490896.66	3611050.94	2.16825	490934.89
3611050.94	2.12285		
490973.12	3611050.94	1.99497	491011.35
3611050.94	1.88374		
491049.58	3611050.94	1.77331	491087.81
3611050.94	1.69200		
491126.04	3611050.94	1.68212	491164.27
3611050.94	1.69229		
491202.50	3611050.94	1.69160	491240.73
3611050.94	1.72149		
491278.96	3611050.94	1.74327	491317.19
3611050.94	1.72911		
491355.42	3611050.94	1.70396	491393.65
3611050.94	1.67373		
491431.88	3611050.94	1.63309	491470.11
3611050.94	1.61081		
491508.34	3611050.94	1.58564	491546.57
3611050.94	1.58040		
491584.80	3611050.94	1.55396	491623.03
3611050.94	1.54573		
490858.43	3611105.42	1.96386	490896.66
3611105.42	1.96604		
490934.89	3611105.42	1.97333	490973.12
3611105.42	1.89238		
491011.35	3611105.42	1.78405	491049.58
3611105.42	1.67277		
491087.81	3611105.42	1.58594	491126.04
3611105.42	1.53450		
491164.27	3611105.42	1.52807	491202.50
3611105.42	1.52806		
491240.73	3611105.42	1.54594	491278.96
3611105.42	1.57765		
491317.19	3611105.42	1.58207	491355.42
3611105.42	1.58508		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	1.56767	491431.88
3611105.42	1.53934		
491470.11	3611105.42	1.50120	491508.34
3611105.42	1.48434		
491546.57	3611105.42	1.46589	491584.80
3611105.42	1.43490		
491623.03	3611105.42	1.42864	490858.43
3611159.90	1.77704		
490896.66	3611159.90	1.80541	490934.89
3611159.90	1.80924		
490973.12	3611159.90	1.78546	491011.35
3611159.90	1.69362		
491049.58	3611159.90	1.58942	491087.81
3611159.90	1.49602		
491126.04	3611159.90	1.42835	491164.27
3611159.90	1.39494		
491202.50	3611159.90	1.39942	491240.73
3611159.90	1.40812		
491278.96	3611159.90	1.42802	491317.19
3611159.90	1.43401		
491355.42	3611159.90	1.45840	491393.65
3611159.90	1.44750		
491431.88	3611159.90	1.45216	491470.11
3611159.90	1.42186		
491508.34	3611159.90	1.39630	491546.57
3611159.90	1.37307		
491584.80	3611159.90	1.34503	491623.03
3611159.90	1.33880		
490858.43	3611214.38	1.63187	490896.66
3611214.38	1.64328		
490934.89	3611214.38	1.66677	490973.12
3611214.38	1.65848		
491011.35	3611214.38	1.58576	491049.58
3611214.38	1.51906		

491087.81	3611214.38	1.42596	491126.04
3611214.38	1.33970		
491164.27	3611214.38	1.28253	491202.50
3611214.38	1.28246		
491240.73	3611214.38	1.29035	491278.96
3611214.38	1.30608		
491317.19	3611214.38	1.32663	491355.42
3611214.38	1.34169		
491393.65	3611214.38	1.35329	491431.88
3611214.38	1.34366		
491470.11	3611214.38	1.34520	491508.34
3611214.38	1.32637		
491546.57	3611214.38	1.30030	491584.80
3611214.38	1.28595		
491623.03	3611214.38	1.27233	490858.43
3611268.86	1.48918		
490896.66	3611268.86	1.51287	490934.89
3611268.86	1.54360		
490973.12	3611268.86	1.55132	491011.35
3611268.86	1.49828		
491049.58	3611268.86	1.45146	491087.81
3611268.86	1.37431		
491126.04	3611268.86	1.28489	491164.27
3611268.86	1.22592		
491202.50	3611268.86	1.18037	491240.73
3611268.86	1.18655		
491278.96	3611268.86	1.18767	491317.19
3611268.86	1.21158		
491355.42	3611268.86	1.22057	491393.65
3611268.86	1.23936		
491431.88	3611268.86	1.24468	491470.11
3611268.86	1.24508		
491508.34	3611268.86	1.25196	491546.57
3611268.86	1.24157		
491584.80	3611268.86	1.22252	491623.03
3611268.86	1.21641		
490858.43	3611323.34	1.35875	490896.66
3611323.34	1.38089		
490934.89	3611323.34	1.40917	490973.12
3611323.34	1.42555		
491011.35	3611323.34	1.41493	491049.58
3611323.34	1.38404		
491087.81	3611323.34	1.32388	491126.04
3611323.34	1.25390		
491164.27	3611323.34	1.17797	491202.50
3611323.34	1.12737		

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	1.09442	491278.96
3611323.34	1.10476		
491317.19	3611323.34	1.09473	491355.42
3611323.34	1.13005		
491393.65	3611323.34	1.13930	491431.88
3611323.34	1.17009		
491470.11	3611323.34	1.17300	491508.34
3611323.34	1.17568		
491546.57	3611323.34	1.17351	491584.80
3611323.34	1.16985		
491623.03	3611323.34	1.17861	491583.40
3608705.27	0.45141		
491577.37	3608727.37	0.46101	491573.36
3608753.50	0.47160		
491562.30	3608782.64	0.48388	491565.32
3608775.60	0.48123		
491547.23	3608819.81	0.50661	491545.22
3608840.91	0.51500		
491533.16	3608877.09	0.52991	491524.12
3608898.19	0.54329		
491522.11	3608915.27	0.55232	491520.10
3608925.32	0.55853		
491511.06	3608945.41	0.57302	491507.04
3608961.49	0.58238		
491499.00	3608982.59	0.59797	491498.00
3608992.64	0.60419		
491490.96	3609007.71	0.61709	491484.93
3609030.82	0.63247		
491478.91	3609048.91	0.64605	491470.87
3609072.02	0.66663		
491461.82	3609094.12	0.68884	491450.77
3609114.22	0.70933		

491449.77	3609129.29	0.72106	491443.74
3609145.37	0.73752		
491439.72	3609164.46	0.75505	491434.69
3609178.52	0.76808		
491424.65	3609198.62	0.79063	491418.62
3609216.71	0.81145		
491414.60	3609231.78	0.82742	491409.57
3609244.84	0.84261		
491398.52	3609273.98	0.87699	491397.52
3609289.05	0.89152		
491388.47	3609312.16	0.92130	491383.45
3609329.24	0.94212		
491377.42	3609354.36	0.97401	491374.41
3609371.44	0.99614		
491361.34	3609405.61	1.04892	491355.32
3609423.69	1.07736		
491340.24	3609470.92	1.15395	491324.17
3609526.18	1.24757		
491329.19	3609504.08	1.21192	491314.12
3609546.28	1.28916		
491302.06	3609575.42	1.34927	491296.03
3609594.51	1.38555		
491286.99	3609618.62	1.43706	491279.96
3609632.69	1.47175		
491274.93	3609648.77	1.50637	491269.91
3609666.85	1.54815		
491264.88	3609679.92	1.58255	491259.86
3609700.01	1.63467		
491269.76	3609874.49	2.41528	491098.46
3610169.21	8.82117		
491115.74	3610172.91	8.60793	491105.25
3610150.69	8.23375		
491109.57	3610134.65	7.69568	491108.33
3610125.39	7.41021		
491113.27	3610114.29	7.00690	491118.82
3610099.48	6.49570		
491122.52	3610087.75	6.11432	491127.46
3610070.47	5.58579		
491131.78	3610051.96	5.07462	491136.72
3610040.85	4.79730		
491138.57	3610034.07	4.63931	491139.80
3610021.73	4.37883		
491157.08	3610005.06	4.03879	491166.95
3609998.89	3.92832		
491178.68	3609984.70	3.69894	491174.98
3609963.10	3.36374		
491184.23	3609965.57	3.40725	491176.21
3609942.12	3.08664		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***
 INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	3.12130	491179.91
3609920.53	2.84579		
491191.64	3609922.99	2.87168	491189.17
3609903.25	2.66367		
491198.42	3609906.95	2.70455	491194.72
3609882.27	2.48977		
491205.83	3609887.20	2.53753	491200.89
3609866.84	2.38594		
491205.83	3609849.56	2.26479	491212.62
3609864.99	2.36643		
491303.94	3609929.78	2.94746	491267.54
3609903.25	2.67325		
491277.41	3609879.18	2.45421	491324.31
3609896.46	2.61110		
491135.48	3610120.46	7.01154	491124.99
3610139.59	7.67541		
491130.55	3610141.44	7.65828	491142.89
3610145.14	7.59621		
491165.10	3610151.31	7.45349	491172.51
3610156.25	7.45232		
491183.00	3610155.01	7.29910	491190.40
3610158.72	7.25702		
491197.81	3610138.97	6.85215	491162.02
3610130.33	7.04137		
491150.91	3610113.67	6.70169	491164.49
3610115.52	6.64271		
491178.06	3610123.54	6.72657	491189.17
3610125.39	6.67632		
491197.81	3610126.63	6.62154	491158.93
3610084.05	5.84188		

491175.59	3610088.37	5.87961	491188.55
3610090.84	5.87231		
491202.13	3610096.39	5.93210	491252.11
3610069.86	5.12589		
491240.39	3610095.77	5.69131	491232.36
3610128.48	6.33895		
491220.02	3610152.55	6.81180	491213.85
3610179.70	7.15809		
491204.60	3610206.85	7.41387	491297.77
3610095.16	5.33031		
491316.29	3610102.56	5.31451	491271.24
3610169.21	6.38255		
491296.54	3610170.44	6.09930	491224.34
3609806.98	2.02909		
491232.36	3609786.00	1.93431	491240.39
3609769.96	1.86304		
491245.94	3609753.92	1.80041	491250.26
3609731.08	1.72626		
491255.20	3609716.89	1.68219	491354.41
3609557.94	1.24280		
491349.69	3609575.67	1.27167	491331.95
3609630.05	1.38029		
491310.67	3609696.25	1.54622	491301.22
3609737.63	1.67534		
491289.40	3609771.91	1.81169	491276.39
3609801.46	1.95146		
491310.67	3609805.01	1.95441	492077.18
3610785.74	1.94292		

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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)
(METERS)	|	490903.38	490928.68	490953.98	490979.28 491004.58
491029.88	|	491055.18	491080.48	491105.78	

3610794.59	2.83363	2.83448	2.86199	2.88651	2.89700
2.93301	2.92631	2.93344	2.94959		
3610785.63	2.87738	2.90480	2.92661	2.93602	2.97069
2.98336	2.99627	2.99779	3.01474		
3610776.67	2.94747	2.94929	2.97508	3.00959	3.02257
3.04568	3.04789	3.06639	3.05869		
3610767.71	2.99482	3.01870	3.02704	3.05846	3.09310
3.09932	3.09371	3.11824	3.12337		
3610758.75	3.05619	3.07295	3.10019	3.13674	3.14899
3.16944	3.16825	3.18279	3.17527		
3610749.79	3.12789	3.14482	3.15595	3.19446	3.22322
3.21635	3.24271	3.23783	3.23630		
3610740.83	3.18390	3.20298	3.23388	3.24731	3.27966
3.29451	3.29566	3.30229	3.29133		
3610731.87	3.25518	3.27825	3.29418	3.33114	3.35352
3.37279	3.37316	3.35997	3.35995		
3610722.91	3.31644	3.34064	3.38194	3.39367	3.41674
3.43044	3.42718	3.43666	3.41825		
3610713.95	3.39639	3.42855	3.44697	3.47739	3.50110
3.51243	3.50543	3.48830	3.49743		
3610704.99	3.45988	3.49319	3.53255	3.56144	3.57160
3.57961	3.58686	3.57009	3.53646		
3610696.03	3.54267	3.58779	3.60267	3.63155	3.64296
3.65859	3.64776	3.63457	3.62142		
3610687.07	3.61383	3.66063	3.69429	3.72372	3.73358
3.72925	3.73464	3.71849	3.68983		
3610678.11	3.71305	3.75826	3.78533	3.80846	3.80293
3.81331	3.80589	3.80702	3.76403		
3610669.15	3.81510	3.83261	3.86416	3.88749	3.89626
3.88851	3.89181	3.85756	3.83774		
3610660.19	3.89403	3.93334	3.96601	3.98237	3.99379
3.98551	3.96884	3.95448	3.92754		
3610651.23	4.00107	4.03899	4.06630	4.07287	4.07257
4.08094	4.06393	4.01806	4.02756		
3610642.27	4.08973	4.12246	4.17298	4.16177	4.17732
4.16622	4.16638	4.12810	4.09872		
3610633.31	4.19836	4.23506	4.26629	4.26539	4.26028
4.26482	4.23068	4.23581	4.20606		
3610624.35	4.31675	4.35141	4.36940	4.36031	4.37515
4.35656	4.34833	4.33515	4.31474		
3610615.39	4.41931	4.46658	4.48826	4.47385	4.48550
4.46725	4.42738	4.43212	4.41303		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	491131.08	491156.38	491181.68	491206.98	491232.28
491257.58	491282.88	491308.18	491333.48		

3610794.59	2.93661	2.94316	2.91503	2.89564	2.86483
2.84289	2.82801	2.81450	2.80367		
3610785.63	2.99828	2.98811	2.95567	2.92889	2.90941
2.88721	2.87365	2.84991	2.83781		
3610776.67	3.04564	3.02480	3.01071	2.99235	2.97279
2.94015	2.92726	2.91663	2.89838		
3610767.71	3.10703	3.07740	3.05931	3.03983	3.00513
2.99050	2.97706	2.96581	2.95233		
3610758.75	3.15688	3.12695	3.11466	3.09513	3.07864
3.06026	3.03497	3.03486	2.99179		
3610749.79	3.22615	3.18335	3.16695	3.14677	3.11449
3.10009	3.08866	3.07222	3.05840		
3610740.83	3.27052	3.23760	3.21913	3.20722	3.18891
3.17339	3.17475	3.14182	3.11540		
3610731.87	3.33228	3.31219	3.28144	3.26459	3.24567
3.21837	3.22027	3.18468	3.18584		
3610722.91	3.39072	3.35774	3.36201	3.34204	3.30955
3.31010	3.29018	3.27357	3.24512		
3610713.95	3.45406	3.43699	3.40641	3.38691	3.37024
3.37200	3.34006	3.33833	3.32491		
3610704.99	3.51720	3.48544	3.48929	3.46904	3.45510
3.43215	3.41465	3.40744	3.36672		
3610696.03	3.58922	3.57605	3.55477	3.52027	3.52188
3.50193	3.48440	3.47313	3.45528		
3610687.07	3.65669	3.66287	3.62558	3.62318	3.61920
3.56641	3.55861	3.54528	3.49777		
3610678.11	3.75197	3.71802	3.69581	3.68271	3.66004
3.64253	3.63027	3.61338	3.59483		
3610669.15	3.83278	3.81116	3.79104	3.78736	3.76584
3.73920	3.70887	3.69168	3.63847		
3610660.19	3.90961	3.90354	3.89695	3.87868	3.83246
3.80037	3.78340	3.76509	3.73746		

3610651.23	3.99296	3.98654	3.96812	3.94456	3.91660
3.90636	3.89043	3.84211	3.78930		
3610642.27	4.10989	4.08546	4.08141	4.05124	4.01225
3.96570	3.94858	3.92102	3.89431		
3610633.31	4.18235	4.17554	4.13728	4.10812	4.09903
4.08311	4.05827	4.02779	3.97240		
3610624.35	4.30448	4.28552	4.25371	4.22918	4.20037
4.17681	4.11982	4.09299	4.06660		
3610615.39	4.38815	4.40352	4.34380	4.30802	4.29294
4.26769	4.23689	4.20960	4.18021		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
	491358.78	491384.08	491409.38	

3610794.59	2.79385	2.75673	2.75860
3610785.63	2.83086	2.83084	2.80286
3610776.67	2.86113	2.86513	2.85664
3610767.71	2.94054	2.94055	2.90429
3610758.75	2.99184	2.99093	2.97227
3610749.79	3.05707	3.04268	3.00016
3610740.83	3.11282	3.09558	3.07497
3610731.87	3.16892	3.12691	3.10121
3610722.91	3.22630	3.20800	3.18378
3610713.95	3.30791	3.26091	3.23798
3610704.99	3.34673	3.32680	3.30087
3610696.03	3.43579	3.38537	3.36044
3610687.07	3.47557	3.45339	3.39865
3610678.11	3.56647	3.51549	3.49076
3610669.15	3.61402	3.58689	3.55483
3610660.19	3.71060	3.65670	3.60953
3610651.23	3.76263	3.75843	3.71160

3610642.27	3.86786	3.78997	3.73645
3610633.31	3.94825	3.90089	3.85148
3610624.35	4.01395	3.93162	3.93838
3610615.39	4.10512	4.05589	4.02562

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	490964.36	490985.16	491005.96	491026.76	491047.56
491068.36	491089.16	491109.96	491130.76		

3610597.95	4.71200	4.70924	4.69663	4.67954	4.67635
4.66767	4.66173	4.65522	4.63245		
3610584.74	4.89576	4.88985	4.88748	4.87775	4.86573
4.86497	4.84249	4.83180	4.80715		
3610571.53	5.09604	5.09401	5.10031	5.07724	5.06417
5.06061	5.03236	5.02867	5.00953		
3610558.32	5.30953	5.31799	5.30663	5.29209	5.27490
5.26332	5.25771	5.22540	5.20130		
3610545.11	5.53403	5.55886	5.53384	5.52433	5.51309
5.49146	5.47223	5.43448	5.42317		
3610531.90	5.81059	5.79848	5.78739	5.76431	5.75854
5.74533	5.70118	5.67597	5.65449		
3610518.69	6.09139	6.07415	6.05415	6.03219	6.03398
5.99281	5.94714	5.92800	5.89659		
3610505.48	6.39100	6.36196	6.34760	6.37976	6.30670
6.25853	6.24331	6.19249	6.15562		
3610492.27	6.70109	6.72451	6.70539	6.69744	6.63122
6.59576	6.56697	6.47331	6.43238		
3610479.06	7.09359	7.07946	7.05537	7.02318	6.95059
6.91824	6.87785	6.80774	6.72151		
3610465.85	7.49419	7.46378	7.44771	7.40717	7.30527
7.25918	7.20324	7.11689	6.98718		

3610452.64	7.95734	7.91992	7.84489	7.78985	7.71761
7.64592	7.51288	7.40427	7.25675		
3610439.43	8.42669	8.35693	8.26749	8.17845	8.10081
8.00821	7.86149	7.65457	7.53494		
3610426.22	8.96605	8.84141	8.75209	8.63139	8.48886
8.35254	8.12998	7.94585	7.79069		
3610413.01	9.53076	9.35805	9.20551	9.06022	8.90073
8.64932	8.43749	8.25334	8.01042		
3610399.80	10.10411	9.88108	9.68917	9.49672	9.18071
8.97959	8.72371	8.44473	8.15386		
3610386.59	10.72761	10.44725	10.11968	9.83497	9.53273
9.23648	8.91653	8.58625	8.23292		
3610373.38	11.36223	10.88422	10.49302	10.13934	9.79577
9.42876	9.02434	8.65928	8.26674		
3610360.17	11.79637	11.29418	10.81657	10.37394	9.94703
9.49740	9.05173	8.60820	8.24570		
3610346.96	12.22597	11.64017	11.06240	10.56227	10.05285
9.55222	9.05750	8.60867	8.16855		
3610333.75	12.55006	11.89410	11.22684	10.63141	10.06358
9.50667	9.03666	8.54938	8.07631		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491255.56	491151.56	491172.36	491193.16	491213.96
	491276.36	491297.16	491317.96	491234.76

3610597.95	4.60714	4.55638	4.55410	4.53769	4.51513
4.46233	4.44088	4.41615	4.34033		
3610584.74	4.74062	4.74055	4.72445	4.70201	4.64675
4.62474	4.59940	4.51928	4.50175		
3610571.53	4.94026	4.92512	4.90193	4.87582	4.84967
4.79534	4.74458	4.71633	4.66691		

3610558.32	5.16083	5.11736	5.08976	5.06213	5.00574
4.95258	4.95360	4.86916	4.83724		
3610545.11	5.37162	5.34495	5.31278	5.28486	5.20488
5.17584	5.11887	5.05096	5.00178		
3610531.90	5.62505	5.56151	5.53103	5.47773	5.41409
5.35388	5.27859	5.22458	5.13530		
3610518.69	5.86363	5.79715	5.74017	5.70310	5.60437
5.55471	5.46131	5.39680	5.31356		
3610505.48	6.11949	6.02248	5.98140	5.90386	5.81511
5.74855	5.63930	5.55313	5.45583		
3610492.27	6.38840	6.27946	6.19474	6.12826	6.01527
5.93841	5.79975	5.72533	5.57670		
3610479.06	6.63572	6.53967	6.42994	6.34352	6.21123
6.09898	5.93656	5.84363	5.68301		
3610465.85	6.87987	6.79452	6.65367	6.54318	6.37675
6.23467	6.09287	5.95178	5.75415		
3610452.64	7.14603	7.02504	6.85864	6.70989	6.51623
6.35930	6.17664	5.99010	5.76965		
3610439.43	7.36059	7.23415	7.02951	6.85465	6.64501
6.40922	6.20515	5.99756	5.79080		
3610426.22	7.60559	7.41400	7.17987	6.91965	6.69047
6.42775	6.20029	6.00296	5.76817		
3610413.01	7.75069	7.49082	7.24141	6.95444	6.69850
6.44700	6.22026	5.96355	5.71090		
3610399.80	7.83424	7.54736	7.26647	6.94881	6.69848
6.41591	6.16346	5.89010	5.62142		
3610386.59	7.87911	7.55783	7.24511	6.92817	6.64805
6.34477	6.07622	5.78903	5.54811		
3610373.38	7.87422	7.51980	7.20497	6.86286	6.56206
6.24115	5.96435	5.66764	5.42632		
3610360.17	7.84927	7.46334	7.12086	6.76030	6.44928
6.11602	5.84069	5.54752	5.30616		
3610346.96	7.77347	7.36211	7.00366	6.63205	6.28414
5.99102	5.72167	5.43379	5.19767		
3610333.75	7.65997	7.22989	6.82985	6.49987	6.15933
5.87665	5.61638	5.33262	5.10294		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***
 INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491338.76	491359.56	491380.36	X-COORD (METERS)
---------------------	-----------	-----------	-----------	------------------

3610597.95	4.32272	4.26963	4.24453
3610584.74	4.47696	4.41982	4.38636
3610571.53	4.60485	4.57095	4.52565
3610558.32	4.76556	4.74496	4.66557
3610545.11	4.92260	4.89039	4.79130
3610531.90	5.09709	4.98753	4.90893
3610518.69	5.23562	5.11149	5.05080
3610505.48	5.35422	5.22425	5.14514
3610492.27	5.45965	5.34663	5.17150
3610479.06	5.49375	5.40544	5.21791
3610465.85	5.58531	5.41388	5.24302
3610452.64	5.61580	5.42479	5.26438
3610439.43	5.61150	5.39791	5.22156
3610426.22	5.56789	5.34040	5.15765
3610413.01	5.49454	5.25549	5.07706
3610399.80	5.39725	5.18915	4.96256
3610386.59	5.28310	5.08126	4.85086
3610373.38	5.17138	4.97637	4.75033
3610360.17	5.06140	4.87944	4.65635
3610346.96	4.96059	4.78768	4.60469
3610333.75	4.91064	4.72866	4.54953

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491360.32	491376.93	491393.54	X-COORD (METERS)	491410.15	491426.76
---------------------	-----------	-----------	-----------	------------------	-----------	-----------

491443.37 491459.98 491476.59 491493.20

3610184.45	|	4.51079	4.39848	4.28797	4.16556	4.06043
3.96405		3.89069	3.81331	3.72990		
3610142.84	|	4.40983	4.30034	4.19274	4.09025	3.97997
3.87798		3.79240	3.72024	3.66334		
3610101.23	|	4.30452	4.19797	4.10036	4.01207	3.91112
3.80549		3.71609	3.64782	3.58931		
3610059.62	|	4.18956	4.08050	3.97937	3.89000	3.80014
3.71790		3.62177	3.54117	3.47209		
3610018.01	|	4.03572	3.93615	3.84390	3.75881	3.67668
3.59738		3.52506	3.45092	3.37462		
3609976.40	|	3.87033	3.78149	3.69493	3.61456	3.54449
3.47678		3.41580	3.34354	3.27319		
3609934.79	|	3.67937	3.60524	3.53607	3.46367	3.40041
3.33819		3.27706	3.21706	3.15381		
3609893.18	|	3.41285	3.35697	3.30434	3.25507	3.20955
3.16021		3.11497	3.06584	3.01697		
3609851.57	|	3.12267	3.09226	3.06158	3.01980	2.98086
2.94485		2.91215	2.87156	2.83053		
3609809.96	|	2.83002	2.81547	2.79529	2.76186	2.73410
2.70572		2.67994	2.65017	2.62318		
3609768.35	|	2.55170	2.53902	2.52297	2.50612	2.48315
2.46223		2.44663	2.42794	2.40279		
3609726.74	|	2.28995	2.27998	2.27104	2.26107	2.25016
2.23594		2.22071	2.20473	2.19071		
3609685.13	|	2.05068	2.04315	2.03746	2.03577	2.02807
2.01973		2.00838	1.99826	1.98723		
3609643.52	|	1.85849	1.84449	1.83437	1.83105	1.82367
1.81489		1.80978	1.80291	1.79589		
3609601.91	|	1.70329	1.68753	1.67507	1.66421	1.65326
1.64448		1.63797	1.63214	1.62700		
3609560.30	|	1.59162	1.57095	1.55138	1.53441	1.52192
1.51124		1.50212	1.49421	1.48736		
3609518.69	|	1.51883	1.48997	1.46510	1.44380	1.42451
1.40786		1.39469	1.38346	1.37532		
3609477.08	|	1.47423	1.43910	1.40756	1.37819	1.35226
1.33061		1.31309	1.29719	1.28355		
3609435.47	|	1.45253	1.41070	1.37249	1.33688	1.30616
1.28004		1.25349	1.23191	1.21304		
3609393.86	|	1.43911	1.39515	1.35368	1.31513	1.27989
1.24692		1.21454	1.18807	1.16468		
3609352.25		1.42655	1.38325	1.34188	1.30166	1.26374
1.22846		1.19500	1.16397	1.13469		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
	491509.81	491526.42	491543.03	491559.64 491576.25
491592.86	491609.47	491626.08	491642.69	

3610184.45		3.62912	3.53677	3.45744	3.39134	3.32852
3.26882	3.19494	3.12342	3.07127			
3610142.84		3.55533	3.46557	3.40310	3.33912	3.26764
3.19872	3.13767	3.08473	3.02874			
3610101.23		3.49994	3.41834	3.32972	3.27288	3.21422
3.15307	3.08893	3.02697	2.97823			
3610059.62		3.42042	3.35310	3.26844	3.20567	3.14528
3.08205	3.02087	2.96696	2.93736			
3610018.01		3.30954	3.25157	3.19622	3.12818	3.06702
3.00773	2.94518	2.88943	2.85656			
3609976.40		3.20466	3.15167	3.10590	3.03754	2.97089
2.91547	2.86167	2.80449	2.74387			
3609934.79		3.09609	3.03967	2.98461	2.92633	2.86936
2.81366	2.75919	2.70598	2.65398			
3609893.18		2.95991	2.90745	2.85964	2.80815	2.75726
2.71138	2.65759	2.60894	2.55690			
3609851.57		2.78911	2.74352	2.70534	2.65923	2.61687
2.57455	2.54024	2.50224	2.46042			
3609809.96		2.59217	2.55703	2.52137	2.48525	2.45554
2.42555	2.39907	2.37270	2.34254			
3609768.35		2.38017	2.35399	2.32421	2.30286	2.28426
2.26541	2.24298	2.22019	2.20812			
3609726.74		2.17102	2.15358	2.13844	2.12030	2.10183
2.08881	2.07570	2.06256	2.04933			
3609685.13		1.97302	1.96254	1.95398	1.94274	1.93395
1.92519	1.91645	1.90475	1.89603			
3609643.52		1.78852	1.78473	1.78280	1.78084	1.77361
1.76317	1.75757	1.75197	1.74643			
3609601.91		1.62598	1.62380	1.61994	1.61830	1.61450
1.60810	1.60610	1.60383	1.59848			

3609560.30	1.48135	1.47789	1.47348	1.47162	1.46838
1.46756	1.46253	1.45982	1.45705		
3609518.69	1.36545	1.35657	1.35017	1.34832	1.34378
1.33795	1.33471	1.33418	1.33426		
3609477.08	1.27037	1.26015	1.25290	1.24525	1.23859
1.22921	1.22416	1.21990	1.21643		
3609435.47	1.19923	1.18394	1.16900	1.15825	1.14883
1.14380	1.13174	1.12205	1.11976		
3609393.86	1.14544	1.12678	1.10918	1.09362	1.08241
1.07442	1.06495	1.05661	1.04927		
3609352.25	1.10868	1.08811	1.07075	1.05010	1.03150
1.01980	1.00882	0.99796	0.98529		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
491659.30	491675.91	491692.52	

3610184.45	3.00416	2.93339	2.88772
3610142.84	2.96343	2.89444	2.83310
3610101.23	2.92052	2.85907	2.79947
3610059.62	2.89384	2.83470	2.75440
3610018.01	2.80987	2.75933	2.68820
3609976.40	2.68475	2.63660	2.58494
3609934.79	2.60774	2.55809	2.51891
3609893.18	2.51434	2.47278	2.42780
3609851.57	2.42306	2.38617	2.34982
3609809.96	2.31233	2.28211	2.25194
3609768.35	2.18493	2.15764	2.13397
3609726.74	2.03597	2.02256	2.00523
3609685.13	1.89074	1.88588	1.87020
3609643.52	1.74100	1.73241	1.72705
3609601.91	1.59275	1.58964	1.58338

3609560.30	1.45416	1.45109	1.44492
3609518.69	1.33004	1.32100	1.32405
3609477.08	1.21356	1.20914	1.20504
3609435.47	1.11692	1.11715	1.10598
3609393.86	1.04289	1.03546	1.03068
3609352.25	0.98002	0.97803	0.96789

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***
 INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	6.66340	491278.96
3610288.22	5.33216		
491317.19	3610288.22	4.94688	491355.42
3610288.22	4.62230		
491393.65	3610342.70	4.47700	491431.88
3610342.70	4.19319		
491470.11	3610342.70	3.93297	491508.34
3610342.70	3.70795		
491546.57	3610342.70	3.50993	491584.80
3610342.70	3.36305		
491623.03	3610342.70	3.20812	491508.34
3610397.18	3.91342		
491546.57	3610397.18	3.65828	491584.80
3610397.18	3.45212		
491623.03	3610397.18	3.26552	491508.34
3610451.66	4.22260		
491546.57	3610451.66	3.93648	491584.80
3610451.66	3.69890		
491623.03	3610451.66	3.46328	491508.34
3610506.14	4.39081		
491546.57	3610506.14	4.15560	491584.80
3610506.14	3.91422		

491623.03	3610506.14	3.71085	491508.34
3610560.62	4.20846		
491546.57	3610560.62	4.06144	491584.80
3610560.62	3.90212		
491623.03	3610560.62	3.73032	491087.81
3610615.10	4.44857		
491126.04	3610615.10	4.41049	491508.34
3610615.10	3.83479		
491546.57	3610615.10	3.71644	491584.80
3610615.10	3.63064		
491623.03	3610615.10	3.54626	491087.81
3610669.58	3.84746		
491126.04	3610669.58	3.82657	491508.34
3610669.58	3.41805		
491546.57	3610669.58	3.36428	491584.80
3610669.58	3.28137		
491623.03	3610669.58	3.21885	491546.57
3610724.06	2.98315		
491584.80	3610724.06	2.94966	491623.03
3610724.06	2.90610		
491546.57	3610778.54	2.70019	491584.80
3610778.54	2.64031		
491623.03	3610778.54	2.59611	490934.89
3610833.02	2.61582		
490973.12	3610833.02	2.66366	491011.35
3610833.02	2.68256		
491049.58	3610833.02	2.71182	491087.81
3610833.02	2.71692		
491126.04	3610833.02	2.73023	491164.27
3610833.02	2.72959		
491202.50	3610833.02	2.70161	491240.73
3610833.02	2.65913		
491278.96	3610833.02	2.64592	491317.19
3610833.02	2.59745		
491355.42	3610833.02	2.56945	491393.65
3610833.02	2.55598		
491431.88	3610833.02	2.54181	491470.11
3610833.02	2.53395		
491508.34	3610833.02	2.50225	491546.57
3610833.02	2.46793		
491584.80	3610833.02	2.42860	491623.03
3610833.02	2.40293		
490934.89	3610887.50	2.38510	490973.12
3610887.50	2.38788		
491011.35	3610887.50	2.39696	491049.58
3610887.50	2.41533		
491087.81	3610887.50	2.42965	491126.04
3610887.50	2.44931		
491164.27	3610887.50	2.46031	491202.50
3610887.50	2.46263		

491240.73	3610887.50	2.44061	491278.96
3610887.50	2.41250		
491317.19	3610887.50	2.38674	491355.42
3610887.50	2.33873		
491393.65	3610887.50	2.31732	491431.88
3610887.50	2.28596		
491470.11	3610887.50	2.27820	491508.34
3610887.50	2.26231		

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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	2.25362	491584.80
3610887.50	2.23568		
491623.03	3610887.50	2.20583	490858.43
3610941.98	2.20848		
490896.66	3610941.98	2.21356	490934.89
3610941.98	2.18568		
490973.12	3610941.98	2.17985	491011.35
3610941.98	2.17847		
491049.58	3610941.98	2.18373	491087.81
3610941.98	2.20033		
491126.04	3610941.98	2.21649	491164.27
3610941.98	2.23551		
491202.50	3610941.98	2.22653	491240.73
3610941.98	2.23796		
491278.96	3610941.98	2.23266	491317.19
3610941.98	2.18983		
491355.42	3610941.98	2.16269	491393.65
3610941.98	2.13077		
491431.88	3610941.98	2.08689	491470.11
3610941.98	2.07026		

491508.34	3610941.98	2.04218	491546.57
3610941.98	2.03330		
491584.80	3610941.98	2.03168	491623.03
3610941.98	2.01897		
490858.43	3610996.46	2.02376	490896.66
3610996.46	2.03185		
490934.89	3610996.46	2.03223	490973.12
3610996.46	2.01127		
491011.35	3610996.46	1.98939	491049.58
3610996.46	1.98624		
491087.81	3610996.46	1.99578	491126.04
3610996.46	2.01518		
491164.27	3610996.46	2.02562	491202.50
3610996.46	2.02871		
491240.73	3610996.46	2.04092	491278.96
3610996.46	2.03091		
491317.19	3610996.46	2.03009	491355.42
3610996.46	2.00737		
491393.65	3610996.46	1.98192	491431.88
3610996.46	1.93807		
491470.11	3610996.46	1.90892	491508.34
3610996.46	1.87574		
491546.57	3610996.46	1.84984	491584.80
3610996.46	1.83143		
491623.03	3610996.46	1.82662	490858.43
3611050.94	1.86966		
490896.66	3611050.94	1.88170	490934.89
3611050.94	1.88249		
490973.12	3611050.94	1.86596	491011.35
3611050.94	1.83809		
491049.58	3611050.94	1.82394	491087.81
3611050.94	1.82063		
491126.04	3611050.94	1.83414	491164.27
3611050.94	1.85100		
491202.50	3611050.94	1.84441	491240.73
3611050.94	1.86520		
491278.96	3611050.94	1.86039	491317.19
3611050.94	1.86663		
491355.42	3611050.94	1.87064	491393.65
3611050.94	1.83786		
491431.88	3611050.94	1.81266	491470.11
3611050.94	1.77408		
491508.34	3611050.94	1.74203	491546.57
3611050.94	1.71748		
491584.80	3611050.94	1.68935	491623.03
3611050.94	1.64326		
490858.43	3611105.42	1.73051	490896.66
3611105.42	1.74389		
490934.89	3611105.42	1.73755	490973.12
3611105.42	1.75072		

491011.35	3611105.42	1.72424	491049.58
3611105.42	1.67469		
491087.81	3611105.42	1.67467	491126.04
3611105.42	1.68167		
491164.27	3611105.42	1.69440	491202.50
3611105.42	1.70379		
491240.73	3611105.42	1.69523	491278.96
3611105.42	1.72009		
491317.19	3611105.42	1.71562	491355.42
3611105.42	1.70215		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***
 INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	1.71236	491431.88
3611105.42	1.68653		
491470.11	3611105.42	1.66579	491508.34
3611105.42	1.66242		
491546.57	3611105.42	1.61205	491584.80
3611105.42	1.57773		
491623.03	3611105.42	1.56656	490858.43
3611159.90	1.60268		
490896.66	3611159.90	1.61485	490934.89
3611159.90	1.62414		
490973.12	3611159.90	1.61618	491011.35
3611159.90	1.60312		
491049.58	3611159.90	1.56815	491087.81
3611159.90	1.56063		
491126.04	3611159.90	1.54414	491164.27
3611159.90	1.54977		
491202.50	3611159.90	1.56816	491240.73
3611159.90	1.57016		

491278.96	3611159.90	1.57213	491317.19
3611159.90	1.56580		
491355.42	3611159.90	1.58698	491393.65
3611159.90	1.57733		
491431.88	3611159.90	1.57407	491470.11
3611159.90	1.56805		
491508.34	3611159.90	1.55838	491546.57
3611159.90	1.52659		
491584.80	3611159.90	1.49335	491623.03
3611159.90	1.47696		
490858.43	3611214.38	1.48911	490896.66
3611214.38	1.50408		
490934.89	3611214.38	1.51453	490973.12
3611214.38	1.51126		
491011.35	3611214.38	1.49762	491049.58
3611214.38	1.48064		
491087.81	3611214.38	1.44431	491126.04
3611214.38	1.43633		
491164.27	3611214.38	1.43564	491202.50
3611214.38	1.43789		
491240.73	3611214.38	1.45792	491278.96
3611214.38	1.45074		
491317.19	3611214.38	1.46297	491355.42
3611214.38	1.46423		
491393.65	3611214.38	1.45792	491431.88
3611214.38	1.46520		
491470.11	3611214.38	1.47378	491508.34
3611214.38	1.45568		
491546.57	3611214.38	1.43307	491584.80
3611214.38	1.42266		
491623.03	3611214.38	1.40235	490858.43
3611268.86	1.38867		
490896.66	3611268.86	1.39842	490934.89
3611268.86	1.41227		
490973.12	3611268.86	1.41504	491011.35
3611268.86	1.39211		
491049.58	3611268.86	1.38341	491087.81
3611268.86	1.36498		
491126.04	3611268.86	1.34806	491164.27
3611268.86	1.32888		
491202.50	3611268.86	1.33069	491240.73
3611268.86	1.34183		
491278.96	3611268.86	1.35723	491317.19
3611268.86	1.35001		
491355.42	3611268.86	1.35936	491393.65
3611268.86	1.35627		
491431.88	3611268.86	1.35169	491470.11
3611268.86	1.35819		
491508.34	3611268.86	1.35667	491546.57
3611268.86	1.34600		

491584.80	3611268.86	1.36011	491623.03
3611268.86	1.34914		
490858.43	3611323.34	1.28338	490896.66
3611323.34	1.29895		
490934.89	3611323.34	1.31690	490973.12
3611323.34	1.31867		
491011.35	3611323.34	1.30697	491049.58
3611323.34	1.30622		
491087.81	3611323.34	1.29170	491126.04
3611323.34	1.25913		
491164.27	3611323.34	1.24753	491202.50
3611323.34	1.23195		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***
 INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	1.24443	491278.96
3611323.34	1.25381		
491317.19	3611323.34	1.26003	491355.42
3611323.34	1.25565		
491393.65	3611323.34	1.25457	491431.88
3611323.34	1.27715		
491470.11	3611323.34	1.27141	491508.34
3611323.34	1.27855		
491546.57	3611323.34	1.28192	491584.80
3611323.34	1.27817		
491623.03	3611323.34	1.28629	491583.40
3608705.27	0.65750		
491577.37	3608727.37	0.67531	491573.36
3608753.50	0.69593		
491562.30	3608782.64	0.71945	491565.32
3608775.60	0.71397		

491547.23	3608819.81	0.75973	491545.22
3608840.91	0.77700		
491533.16	3608877.09	0.81216	491524.12
3608898.19	0.83500		
491522.11	3608915.27	0.85131	491520.10
3608925.32	0.86162		
491511.06	3608945.41	0.88508	491507.04
3608961.49	0.90563		
491499.00	3608982.59	0.93091	491498.00
3608992.64	0.94099		
491490.96	3609007.71	0.96074	491484.93
3609030.82	0.99062		
491478.91	3609048.91	1.01236	491470.87
3609072.02	1.04203		
491461.82	3609094.12	1.07636	491450.77
3609114.22	1.10712		
491449.77	3609129.29	1.12128	491443.74
3609145.37	1.14265		
491439.72	3609164.46	1.16609	491434.69
3609178.52	1.18270		
491424.65	3609198.62	1.21186	491418.62
3609216.71	1.23772		
491414.60	3609231.78	1.25297	491409.57
3609244.84	1.26879		
491398.52	3609273.98	1.30607	491397.52
3609289.05	1.31202		
491388.47	3609312.16	1.34502	491383.45
3609329.24	1.36123		
491377.42	3609354.36	1.38270	491374.41
3609371.44	1.39547		
491361.34	3609405.61	1.43979	491355.32
3609423.69	1.46177		
491340.24	3609470.92	1.52165	491324.17
3609526.18	1.60425		
491329.19	3609504.08	1.57275	491314.12
3609546.28	1.65209		
491302.06	3609575.42	1.72429	491296.03
3609594.51	1.77228		
491286.99	3609618.62	1.84578	491279.96
3609632.69	1.89695		
491274.93	3609648.77	1.95444	491269.91
3609666.85	2.02882		
491264.88	3609679.92	2.09047	491259.86
3609700.01	2.19188		
491269.76	3609874.49	3.50974	491098.46
3610169.21	7.59928		
491115.74	3610172.91	7.29180	491105.25
3610150.69	7.33557		
491109.57	3610134.65	7.14025	491108.33
3610125.39	7.09693		

491113.27	3610114.29	6.93801	491118.82
3610099.48	6.73165		
491122.52	3610087.75	6.57127	491127.46
3610070.47	6.32812		
491131.78	3610051.96	6.06098	491136.72
3610040.85	5.89209		
491138.57	3610034.07	5.81300	491139.80
3610021.73	5.69244		
491157.08	3610005.06	5.35919	491166.95
3609998.89	5.22129		
491178.68	3609984.70	5.01217	491174.98
3609963.10	4.79067		
491184.23	3609965.57	4.77606	491176.21
3609942.12	4.53930		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	4.53671	491179.91
3609920.53	4.26560		
491191.64	3609922.99	4.25385	491189.17
3609903.25	3.99663		
491198.42	3609906.95	4.03371	491194.72
3609882.27	3.74789		
491205.83	3609887.20	3.81052	491200.89
3609866.84	3.59360		
491205.83	3609849.56	3.38692	491212.62
3609864.99	3.55555		
491303.94	3609929.78	3.85397	491267.54
3609903.25	3.77827		
491277.41	3609879.18	3.53261	491324.31
3609896.46	3.53566		

491135.48	3610120.46	6.65080	491124.99
3610139.59	6.93585		
491130.55	3610141.44	6.86279	491142.89
3610145.14	6.69796		
491165.10	3610151.31	6.41101	491172.51
3610156.25	6.33124		
491183.00	3610155.01	6.18687	491190.40
3610158.72	6.10665		
491197.81	3610138.97	5.93582	491162.02
3610130.33	6.34564		
491150.91	3610113.67	6.38984	491164.49
3610115.52	6.22454		
491178.06	3610123.54	6.10039	491189.17
3610125.39	5.97476		
491197.81	3610126.63	5.87858	491158.93
3610084.05	6.06610		
491175.59	3610088.37	5.90623	491188.55
3610090.84	5.77818		
491202.13	3610096.39	5.66525	491252.11
3610069.86	5.04245		
491240.39	3610095.77	5.28020	491232.36
3610128.48	5.51550		
491220.02	3610152.55	5.73765	491213.85
3610179.70	5.89102		
491204.60	3610206.85	6.06297	491297.77
3610095.16	4.76395		
491316.29	3610102.56	4.65120	491271.24
3610169.21	5.24543		
491296.54	3610170.44	5.02105	491224.34
3609806.98	2.96595		
491232.36	3609786.00	2.78525	491240.39
3609769.96	2.65112		
491245.94	3609753.92	2.52694	491250.26
3609731.08	2.37213		
491255.20	3609716.89	2.28656	491354.41
3609557.94	1.59462		
491349.69	3609575.67	1.63925	491331.95
3609630.05	1.82403		
491310.67	3609696.25	2.13350	491301.22
3609737.63	2.38556		
491289.40	3609771.91	2.63655	491276.39
3609801.46	2.87445		
491310.67	3609805.01	2.87023	492077.18
3610785.74	2.07392		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491029.88	490903.38	490928.68	490953.98	490979.28	491004.58

3610794.59	2.92765	2.93478	2.95497	2.95644	2.94169
2.95917	2.97361	2.96660	2.93376		
3610785.63	2.99232	2.99571	3.01325	3.01120	3.02117
3.03431	3.03226	3.02070	2.98016		
3610776.67	3.06589	3.07802	3.08682	3.08946	3.07990
3.09632	3.11300	3.07377	3.04096		
3610767.71	3.13260	3.14186	3.14649	3.14926	3.16470
3.18017	3.17580	3.14087	3.08882		
3610758.75	3.20144	3.22353	3.22561	3.23494	3.24808
3.24702	3.23813	3.19468	3.15007		
3610749.79	3.27230	3.29177	3.29013	3.30222	3.31868
3.33813	3.29915	3.26409	3.20264		
3610740.83	3.36772	3.37831	3.38197	3.39609	3.41279
3.41062	3.37575	3.32080	3.27378		
3610731.87	3.44549	3.45079	3.47726	3.48977	3.49058
3.48280	3.43888	3.39215	3.35030		
3610722.91	3.54210	3.54484	3.55594	3.57164	3.59359
3.55492	3.51910	3.46951	3.41824		
3610713.95	3.62446	3.64671	3.66011	3.67734	3.67785
3.64297	3.59859	3.53774	3.51053		
3610704.99	3.72655	3.73131	3.74854	3.76792	3.76275
3.73279	3.67046	3.62845	3.59434		
3610696.03	3.83306	3.84494	3.86092	3.88529	3.84782
3.81133	3.76159	3.72800	3.70222		
3610687.07	3.92640	3.96261	3.98114	3.98463	3.95092
3.90511	3.86064	3.82089	3.81961		
3610678.11	4.04864	4.06622	4.10834	4.08569	4.05652
4.00682	3.95238	3.93791	3.93181		
3610669.15	4.17749	4.19495	4.22302	4.20296	4.16318
4.10094	4.07126	4.06510	4.07439		
3610660.19	4.31189	4.33341	4.34117	4.30972	4.26377
4.21989	4.19887	4.18860	4.22490		

3610651.23	4.43443	4.48092	4.46208	4.43553	4.38607
4.35006	4.33798	4.34455	4.36659		
3610642.27	4.58350	4.61723	4.60153	4.56403	4.51792
4.49022	4.47472	4.50877	4.51420		
3610633.31	4.74456	4.75869	4.74593	4.70230	4.66186
4.62884	4.64487	4.66597	4.66417		
3610624.35	4.91747	4.90469	4.88268	4.83497	4.80221
4.79641	4.82550	4.82888	4.82660		
3610615.39	5.08163	5.07199	5.03897	4.99547	4.97245
4.98379	5.00082	4.99496	4.99875		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	491131.08	491156.38	491181.68	491206.98	491232.28
491257.58	491282.88	491308.18	491333.48		

3610794.59	2.88484	2.82987	2.80123	2.77307	2.76052
2.76127	2.77571	2.79292	2.79247		
3610785.63	2.93819	2.88644	2.84869	2.82659	2.83486
2.84443	2.86055	2.86427	2.87087		
3610776.67	2.98304	2.93264	2.91781	2.89959	2.89935
2.91386	2.93552	2.93706	2.94072		
3610767.71	3.04417	2.99982	2.97509	2.97907	2.98934
3.00709	3.01118	3.01939	3.02764		
3610758.75	3.09564	3.07257	3.05449	3.04966	3.06718
3.08701	3.09013	3.09370	3.10237		
3610749.79	3.16697	3.13589	3.12385	3.14657	3.16713
3.17129	3.18029	3.18810	3.19272		
3610740.83	3.22882	3.22086	3.21729	3.23141	3.25504
3.25548	3.26083	3.26618	3.26692		
3610731.87	3.31428	3.29742	3.32021	3.33968	3.34538
3.35305	3.36231	3.36263	3.35854		

3610722.91	3.40523	3.39797	3.41272	3.43666	3.43891
3.44013	3.44761	3.44336	3.43462		
3610713.95	3.49064	3.50909	3.52937	3.53616	3.54293
3.54902	3.54736	3.54264	3.52488		
3610704.99	3.59824	3.61157	3.63521	3.63697	3.63798
3.65558	3.64912	3.63611	3.60085		
3610696.03	3.69992	3.73820	3.74413	3.75138	3.75361
3.74883	3.73617	3.72044	3.69263		
3610687.07	3.83192	3.85459	3.85528	3.87267	3.86738
3.85922	3.83529	3.81574	3.78250		
3610678.11	3.96915	3.97541	3.97931	3.97982	3.97004
3.95350	3.92557	3.89533	3.85471		
3610669.15	4.09804	4.09771	4.11130	4.10229	4.08760
4.06228	4.02971	3.98852	3.93736		
3610660.19	4.23083	4.23318	4.22869	4.21084	4.20443
4.16973	4.11551	4.06643	4.00541		
3610651.23	4.36631	4.37735	4.36240	4.33672	4.30404
4.26182	4.21674	4.15468	4.08264		
3610642.27	4.51498	4.50689	4.49766	4.45827	4.42015
4.36800	4.31184	4.24021	4.14705		
3610633.31	4.67166	4.65286	4.61908	4.56743	4.51649
4.45654	4.38981	4.31009	4.22413		
3610624.35	4.82759	4.79998	4.74999	4.69005	4.63195
4.55861	4.48220	4.39707	4.28747		
3610615.39	4.96969	4.94079	4.88237	4.81548	4.74224
4.66020	4.57379	4.46859	4.34902		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
491358.78	491384.08	491409.38	

3610794.59	2.80905	2.81894	2.82174
------------	---------	---------	---------

3610785.63	2.89072	2.89512	2.88274
3610776.67	2.95658	2.95987	2.95960
3610767.71	3.03587	3.03936	3.02114
3610758.75	3.10376	3.10676	3.09734
3610749.79	3.18662	3.18453	3.15766
3610740.83	3.26176	3.25377	3.23340
3610731.87	3.34552	3.33496	3.29034
3610722.91	3.41993	3.40188	3.36526
3610713.95	3.50522	3.48027	3.41985
3610704.99	3.57281	3.54360	3.49238
3610696.03	3.65564	3.61835	3.54480
3610687.07	3.71898	3.67516	3.61160
3610678.11	3.79808	3.73772	3.65559
3610669.15	3.85691	3.78617	3.71699
3610660.19	3.93493	3.84671	3.76039
3610651.23	4.00539	3.90003	3.80217
3610642.27	4.05967	3.95074	3.84389
3610633.31	4.11697	3.99512	3.87640
3610624.35	4.16677	4.04132	3.91570
3610615.39	4.21176	4.07621	3.94519

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491068.36	490964.36	490985.16	491005.96	491026.76 491047.56
491089.16	491109.96	491130.76		

3610597.95	5.36859	5.34038	5.35380	5.36833	5.36453
5.35502	5.35371	5.32179	5.27316		
3610584.74	5.66108	5.66772	5.67706	5.67184	5.66152
5.65539	5.61778	5.56221	5.49782		
3610571.53	6.01389	6.01826	6.00943	5.99639	5.98788
5.94289	5.87876	5.80507	5.72195		

3610558.32	6.39558	6.38343	6.36672	6.33701	6.30194
6.22676	6.14128	6.04799	5.94654		
3610545.11	6.79844	6.77773	6.74255	6.69858	6.61290
6.51463	6.40623	6.28975	6.17014		
3610531.90	7.23580	7.19363	7.14036	7.04296	6.94797
6.82445	6.69008	6.55505	6.40229		
3610518.69	7.69909	7.63608	7.52394	7.41343	7.27080
7.12426	6.96889	6.79262	6.61737		
3610505.48	8.19375	8.08404	7.93944	7.77450	7.60440
7.43388	7.23544	7.02806	6.82190		
3610492.27	8.70314	8.53939	8.36922	8.17194	7.95822
7.73622	7.50099	7.25671	7.01344		
3610479.06	9.22746	9.03463	8.80788	8.55617	8.30097
8.03613	7.75601	7.47182	7.18676		
3610465.85	9.80099	9.54361	9.24881	8.94800	8.63845
8.32063	7.99427	7.66539	7.33369		
3610452.64	10.40208	10.05942	9.69768	9.33745	8.96043
8.58507	8.21047	7.83007	7.45759		
3610439.43	11.01997	10.59194	10.14761	9.71546	9.26321
8.82546	8.39503	7.97510	7.56714		
3610426.22	11.66397	11.13128	10.59329	10.06660	9.53797
9.03421	8.55877	8.10261	7.65534		
3610413.01	12.30769	11.65246	11.01254	10.38495	9.78076
9.21758	8.69372	8.20545	7.74140		
3610399.80	12.91140	12.12219	11.38398	10.66330	9.99267
9.37725	8.82148	8.30325	7.82037		
3610386.59	13.45927	12.53831	11.70412	10.90396	10.17524
9.52720	8.92824	8.38827	7.89452		
3610373.38	13.93159	12.88900	11.96522	11.10344	10.33563
9.65368	9.03739	8.48074	7.97321		
3610360.17	14.31335	13.16935	12.16925	11.26854	10.47829
9.77145	9.13160	8.56586	8.05139		
3610346.96	14.57630	13.37630	12.32695	11.39558	10.58672
9.85937	9.21658	8.63796	8.11276		
3610333.75	14.73244	13.52621	12.44520	11.50492	10.67908
9.97844	9.32798	8.74438	8.21669		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)				X-COORD (METERS)	
491255.56	491151.56	491172.36	491193.16	491213.96	491234.76
	491276.36	491297.16	491317.96		
3610597.95	5.22216	5.16316	5.09909	5.00949	4.93131
4.85064	4.75401	4.65236	4.54621		
3610584.74	5.42950	5.35347	5.27496	5.17152	5.08045
4.97553	4.86414	4.75144	4.62926		
3610571.53	5.63413	5.54273	5.45138	5.33560	5.20979
5.09158	4.96422	4.83653	4.70324		
3610558.32	5.84071	5.73408	5.61211	5.48071	5.33397
5.20120	5.05427	4.91114	4.77081		
3610545.11	6.04989	5.91109	5.76669	5.61506	5.45058
5.29407	5.12936	4.97755	4.81964		
3610531.90	6.24326	6.07900	5.91457	5.74087	5.55216
5.37324	5.19782	5.02742	4.85956		
3610518.69	6.42909	6.23891	6.04704	5.84675	5.64189
5.43778	5.24537	5.06374	4.88661		
3610505.48	6.60162	6.38498	6.16050	5.93567	5.71621
5.48395	5.28568	5.08693	4.89889		
3610492.27	6.76053	6.51053	6.25873	6.01403	5.77455
5.52853	5.31652	5.10686	4.91573		
3610479.06	6.90016	6.61990	6.34228	6.07571	5.82163
5.56386	5.33728	5.11711	4.91878		
3610465.85	7.01560	6.70667	6.40851	6.12243	5.85622
5.58954	5.35197	5.12466	4.91994		
3610452.64	7.11410	6.77915	6.46345	6.16066	5.87792
5.61313	5.36470	5.12755	4.91751		
3610439.43	7.19047	6.83474	6.49973	6.18747	5.89869
5.62947	5.37107	5.13453	4.91925		
3610426.22	7.26071	6.88585	6.53832	6.21562	5.91183
5.64501	5.38058	5.14341	4.92580		
3610413.01	7.32283	6.93437	6.57883	6.24712	5.94290
5.66662	5.39911	5.15957	4.94027		
3610399.80	7.38126	6.98434	6.61979	6.28362	5.97355
5.69546	5.42593	5.18426	4.96570		
3610386.59	7.43868	7.03971	6.66896	6.32647	6.01414
5.72934	5.46251	5.21836	4.99725		
3610373.38	7.51248	7.10026	6.72415	6.37620	6.06145
5.77064	5.50088	5.25377	5.02718		
3610360.17	7.58114	7.15899	6.77627	6.42709	6.10777
5.81124	5.53988	5.30558	5.07263		
3610346.96	7.65931	7.23179	6.84308	6.49136	6.17011
5.86959	5.62128	5.36610	5.13119		

3610333.75	7.74020	7.30856	6.91789	6.56339	6.25739
5.95928	5.68629	5.42937	5.19254		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
	491338.76	491359.56	491380.36

3610597.95	4.42500	4.28863	4.16383
3610584.74	4.49402	4.34776	4.21173
3610571.53	4.55777	4.39835	4.26060
3610558.32	4.60828	4.45182	4.29961
3610545.11	4.65511	4.49538	4.33009
3610531.90	4.68941	4.51495	4.34874
3610518.69	4.70797	4.47934	4.33788
3610505.48	4.71720	4.45756	4.32609
3610492.27	4.72814	4.48025	4.34121
3610479.06	4.73294	4.51127	4.35987
3610465.85	4.72499	4.52863	4.36759
3610452.64	4.72312	4.52680	4.36736
3610439.43	4.71853	4.53147	4.37156
3610426.22	4.72375	4.53917	4.38972
3610413.01	4.73706	4.55753	4.41858
3610399.80	4.76087	4.58231	4.42203
3610386.59	4.79023	4.61156	4.43559
3610373.38	4.82150	4.63880	4.45707
3610360.17	4.86501	4.68241	4.49838
3610346.96	4.92180	4.73514	4.54909
3610333.75	4.98200	4.78511	4.59698

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
	491360.32	491376.93	491393.54	491410.15 491426.76
491443.37	491459.98	491476.59	491493.20	

3610184.45	5.54057	5.39100	5.21939	5.08201	4.94881
4.81992	4.69624	4.55157	4.43759		
3610142.84	5.39574	5.27237	5.15204	5.01107	4.89809
4.78753	4.65845	4.55591	4.45729		
3610101.23	4.99711	4.90397	4.81282	4.72388	4.63400
4.54443	4.45807	4.37568	4.30970		
3610059.62	4.43789	4.37597	4.32360	4.26422	4.20359
4.14394	4.08000	4.01921	3.96052		
3610018.01	3.83817	3.80061	3.77362	3.73807	3.70156
3.66408	3.62711	3.59903	3.55819		
3609976.40	3.30112	3.27670	3.26225	3.23867	3.21748
3.19621	3.18650	3.15998	3.13337		
3609934.79	2.85469	2.84066	2.82681	2.80976	2.79607
2.79302	2.77872	2.76284	2.75380		
3609893.18	2.46883	2.46240	2.45638	2.45171	2.44757
2.44136	2.43586	2.42741	2.41900		
3609851.57	2.14169	2.14459	2.14706	2.14342	2.14087
2.13838	2.13766	2.13199	2.12609		
3609809.96	1.87302	1.87947	1.88278	1.87997	1.87925
1.87818	1.87785	1.87536	1.87360		
3609768.35	1.65291	1.65637	1.65854	1.65996	1.65890
1.65812	1.66005	1.66002	1.65694		
3609726.74	1.47010	1.47183	1.47399	1.47545	1.47683
1.47641	1.47595	1.47499	1.47517		
3609685.13	1.31410	1.31607	1.31872	1.32249	1.32305
1.32300	1.32157	1.32069	1.31968		
3609643.52	1.18367	1.18369	1.18472	1.18853	1.18959
1.18909	1.19014	1.18948	1.18874		
3609601.91	1.06705	1.06949	1.07203	1.07410	1.07447
1.07525	1.07633	1.07748	1.07793		

3609560.30	0.96663	0.97033	0.97232	0.97407	0.97699
0.97943	0.98128	0.98242	0.98335		
3609518.69	0.88153	0.88411	0.88701	0.88997	0.89223
0.89410	0.89686	0.89925	0.90203		
3609477.08	0.80634	0.80973	0.81242	0.81360	0.81485
0.81730	0.82087	0.82351	0.82591		
3609435.47	0.74309	0.74392	0.74557	0.74617	0.74847
0.75181	0.75169	0.75361	0.75583		
3609393.86	0.68816	0.68687	0.68701	0.68832	0.69045
0.69176	0.69029	0.69231	0.69435		
3609352.25	0.63983	0.63781	0.63729	0.63649	0.63721
0.63913	0.64028	0.64139	0.64140		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	491509.81	491526.42	491543.03	491559.64	491576.25
491592.86	491609.47	491626.08	491642.69		

3610184.45	4.32484	4.21596	4.11157	4.01210	3.88599
3.79599	3.70552	3.61774	3.53684		
3610142.84	4.35492	4.25622	4.13671	4.04672	3.95706
3.86920	3.78419	3.69289	3.61393		
3610101.23	4.20228	4.12345	4.04374	3.96990	3.87306
3.80166	3.72978	3.65853	3.59073		
3610059.62	3.90580	3.85773	3.79405	3.73578	3.67792
3.61900	3.56046	3.50379	3.45431		
3610018.01	3.51982	3.48262	3.44509	3.40169	3.35953
3.32871	3.28460	3.24193	3.20675		
3609976.40	3.10521	3.08225	3.07319	3.04156	3.00929
2.98069	2.95155	2.92982	2.89629		
3609934.79	2.73770	2.72002	2.70136	2.67929	2.66770
2.64521	2.62202	2.59886	2.58503		

3609893.18	2.40466	2.39226	2.38055	2.36557	2.35009
2.34706	2.32823	2.31068	2.29071		
3609851.57	2.11911	2.10938	2.10353	2.09242	2.08269
2.07311	2.06668	2.05758	2.04631		
3609809.96	1.86998	1.86339	1.85609	1.84900	1.84437
1.83984	1.83651	1.83292	1.82746		
3609768.35	1.65469	1.65070	1.64445	1.64223	1.64133
1.64079	1.63769	1.63414	1.63726		
3609726.74	1.47232	1.47068	1.46969	1.46720	1.46473
1.46475	1.46501	1.46498	1.46512		
3609685.13	1.31717	1.31703	1.31767	1.31747	1.31814
1.31899	1.32023	1.31956	1.32034		
3609643.52	1.18734	1.18794	1.18973	1.19200	1.19172
1.19018	1.19144	1.19269	1.19462		
3609601.91	1.07997	1.08106	1.08065	1.08153	1.08089
1.07932	1.08016	1.08161	1.08132		
3609560.30	0.98397	0.98548	0.98577	0.98678	0.98647
0.98705	0.98538	0.98460	0.98406		
3609518.69	0.90236	0.90203	0.90264	0.90510	0.90520
0.90383	0.90360	0.90433	0.90517		
3609477.08	0.82719	0.82892	0.83148	0.83223	0.83288
0.83066	0.83084	0.83059	0.83017		
3609435.47	0.76011	0.76145	0.76131	0.76329	0.76464
0.76791	0.76494	0.76307	0.76517		
3609393.86	0.69797	0.69981	0.70080	0.70172	0.70479
0.70884	0.71058	0.71176	0.71258		
3609352.25	0.64234	0.64616	0.65071	0.64985	0.64950
0.65355	0.65678	0.65860	0.65783		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491659.30	491675.91	491692.52

3610184.45	3.45439	3.37276	3.30010
3610142.84	3.53395	3.45401	3.37702
3610101.23	3.50294	3.43398	3.36556
3610059.62	3.40085	3.32075	3.25712
3610018.01	3.16567	3.12231	3.07033
3609976.40	2.86228	2.83177	2.79859
3609934.79	2.56350	2.53934	2.51953
3609893.18	2.28450	2.26811	2.24871
3609851.57	2.03611	2.02524	2.01356
3609809.96	1.82123	1.81461	1.80841
3609768.35	1.63342	1.62694	1.62293
3609726.74	1.46522	1.46520	1.46343
3609685.13	1.32389	1.32734	1.32472
3609643.52	1.19630	1.19631	1.19870
3609601.91	1.08134	1.08343	1.08376
3609560.30	0.98382	0.98363	0.98198
3609518.69	0.90309	0.89816	0.90065
3609477.08	0.82969	0.82756	0.82515
3609435.47	0.76632	0.76854	0.76263
3609393.86	0.71303	0.71200	0.71205
3609352.25	0.66186	0.66702	0.66503

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	8.14730	491278.96
3610288.22	5.93209		
491317.19	3610288.22	5.47495	491355.42
3610288.22	5.07454		
491393.65	3610342.70	4.44606	491431.88
3610342.70	4.16564		

491470.11	3610342.70	3.89688	491508.34
3610342.70	3.65860		
491546.57	3610342.70	3.44489	491584.80
3610342.70	3.26820		
491623.03	3610342.70	3.09456	491508.34
3610397.18	3.56986		
491546.57	3610397.18	3.36706	491584.80
3610397.18	3.17840		
491623.03	3610397.18	3.00749	491508.34
3610451.66	3.55512		
491546.57	3610451.66	3.35581	491584.80
3610451.66	3.16210		
491623.03	3610451.66	2.99960	491508.34
3610506.14	3.55887		
491546.57	3610506.14	3.36650	491584.80
3610506.14	3.17569		
491623.03	3610506.14	3.01596	491508.34
3610560.62	3.56175		
491546.57	3610560.62	3.37204	491584.80
3610560.62	3.19386		
491623.03	3610560.62	3.02808	491087.81
3610615.10	5.00605		
491126.04	3610615.10	4.98390	491508.34
3610615.10	3.50563		
491546.57	3610615.10	3.31689	491584.80
3610615.10	3.15769		
491623.03	3610615.10	3.01373	491087.81
3610669.58	4.05424		
491126.04	3610669.58	4.09001	491508.34
3610669.58	3.37395		
491546.57	3610669.58	3.21055	491584.80
3610669.58	3.06456		
491623.03	3610669.58	2.91451	491546.57
3610724.06	3.07671		
491584.80	3610724.06	2.96681	491623.03
3610724.06	2.84885		
491546.57	3610778.54	2.83426	491584.80
3610778.54	2.76880		
491623.03	3610778.54	2.72409	490934.89
3610833.02	2.68057		
490973.12	3610833.02	2.69650	491011.35
3610833.02	2.70101		
491049.58	3610833.02	2.69774	491087.81
3610833.02	2.69887		
491126.04	3610833.02	2.69376	491164.27
3610833.02	2.64030		
491202.50	3610833.02	2.57441	491240.73
3610833.02	2.51672		
491278.96	3610833.02	2.50311	491317.19
3610833.02	2.51110		

491355.42	3610833.02	2.52561	491393.65
3610833.02	2.52761		
491431.88	3610833.02	2.54066	491470.11
3610833.02	2.53822		
491508.34	3610833.02	2.54387	491546.57
3610833.02	2.53202		
491584.80	3610833.02	2.50162	491623.03
3610833.02	2.48684		
490934.89	3610887.50	2.37518	490973.12
3610887.50	2.38753		
491011.35	3610887.50	2.40081	491049.58
3610887.50	2.39157		
491087.81	3610887.50	2.40545	491126.04
3610887.50	2.40404		
491164.27	3610887.50	2.40370	491202.50
3610887.50	2.35721		
491240.73	3610887.50	2.29398	491278.96
3610887.50	2.24369		
491317.19	3610887.50	2.21618	491355.42
3610887.50	2.19645		
491393.65	3610887.50	2.21130	491431.88
3610887.50	2.20766		
491470.11	3610887.50	2.20285	491508.34
3610887.50	2.20049		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	2.21881	491584.80
3610887.50	2.21892		
491623.03	3610887.50	2.21521	490858.43
3610941.98	2.07071		

490896.66	3610941.98	2.11863	490934.89
3610941.98	2.12660		
490973.12	3610941.98	2.13768	491011.35
3610941.98	2.14867		
491049.58	3610941.98	2.15398	491087.81
3610941.98	2.14412		
491126.04	3610941.98	2.13636	491164.27
3610941.98	2.14631		
491202.50	3610941.98	2.14743	491240.73
3610941.98	2.12943		
491278.96	3610941.98	2.08248	491317.19
3610941.98	2.02258		
491355.42	3610941.98	1.98798	491393.65
3610941.98	1.96129		
491431.88	3610941.98	1.94019	491470.11
3610941.98	1.95296		
491508.34	3610941.98	1.95423	491546.57
3610941.98	1.93700		
491584.80	3610941.98	1.93142	491623.03
3610941.98	1.93105		
490858.43	3610996.46	1.84894	490896.66
3610996.46	1.89887		
490934.89	3610996.46	1.93061	490973.12
3610996.46	1.94164		
491011.35	3610996.46	1.92781	491049.58
3610996.46	1.94428		
491087.81	3610996.46	1.94244	491126.04
3610996.46	1.93745		
491164.27	3610996.46	1.93679	491202.50
3610996.46	1.94935		
491240.73	3610996.46	1.93619	491278.96
3610996.46	1.92995		
491317.19	3610996.46	1.88502	491355.42
3610996.46	1.83476		
491393.65	3610996.46	1.80362	491431.88
3610996.46	1.77411		
491470.11	3610996.46	1.75143	491508.34
3610996.46	1.74978		
491546.57	3610996.46	1.73246	491584.80
3610996.46	1.73338		
491623.03	3610996.46	1.70732	490858.43
3611050.94	1.65887		
490896.66	3611050.94	1.73243	490934.89
3611050.94	1.76640		
490973.12	3611050.94	1.77233	491011.35
3611050.94	1.76050		
491049.58	3611050.94	1.74888	491087.81
3611050.94	1.76363		
491126.04	3611050.94	1.76472	491164.27
3611050.94	1.76518		

491202.50	3611050.94	1.74445	491240.73
3611050.94	1.75533		
491278.96	3611050.94	1.76502	491317.19
3611050.94	1.74608		
491355.42	3611050.94	1.71930	491393.65
3611050.94	1.68824		
491431.88	3611050.94	1.64702	491470.11
3611050.94	1.62289		
491508.34	3611050.94	1.59587	491546.57
3611050.94	1.58828		
491584.80	3611050.94	1.56069	491623.03
3611050.94	1.55079		
490858.43	3611105.42	1.49547	490896.66
3611105.42	1.56798		
490934.89	3611105.42	1.61044	490973.12
3611105.42	1.62376		
491011.35	3611105.42	1.61931	491049.58
3611105.42	1.59905		
491087.81	3611105.42	1.59862	491126.04
3611105.42	1.61109		
491164.27	3611105.42	1.61051	491202.50
3611105.42	1.59674		
491240.73	3611105.42	1.59274	491278.96
3611105.42	1.60681		
491317.19	3611105.42	1.60155	491355.42
3611105.42	1.60004		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	1.58146	491431.88
3611105.42	1.55322		

491470.11	3611105.42	1.51483	491508.34
3611105.42	1.49738		
491546.57	3611105.42	1.47623	491584.80
3611105.42	1.44384		
491623.03	3611105.42	1.43701	490858.43
3611159.90	1.35255		
490896.66	3611159.90	1.41479	490934.89
3611159.90	1.47063		
490973.12	3611159.90	1.49063	491011.35
3611159.90	1.49533		
491049.58	3611159.90	1.47354	491087.81
3611159.90	1.46525		
491126.04	3611159.90	1.46531	491164.27
3611159.90	1.47400		
491202.50	3611159.90	1.47848	491240.73
3611159.90	1.46983		
491278.96	3611159.90	1.46834	491317.19
3611159.90	1.45964		
491355.42	3611159.90	1.47515	491393.65
3611159.90	1.46138		
491431.88	3611159.90	1.46466	491470.11
3611159.90	1.43509		
491508.34	3611159.90	1.42200	491546.57
3611159.90	1.38534		
491584.80	3611159.90	1.35626	491623.03
3611159.90	1.34845		
490858.43	3611214.38	1.23667	490896.66
3611214.38	1.28981		
490934.89	3611214.38	1.34489	490973.12
3611214.38	1.37370		
491011.35	3611214.38	1.36044	491049.58
3611214.38	1.36679		
491087.81	3611214.38	1.34926	491126.04
3611214.38	1.33954		
491164.27	3611214.38	1.34611	491202.50
3611214.38	1.36059		
491240.73	3611214.38	1.36368	491278.96
3611214.38	1.36034		
491317.19	3611214.38	1.36086	491355.42
3611214.38	1.36311		
491393.65	3611214.38	1.36777	491431.88
3611214.38	1.35586		
491470.11	3611214.38	1.35728	491508.34
3611214.38	1.33834		
491546.57	3611214.38	1.31258	491584.80
3611214.38	1.29776		
491623.03	3611214.38	1.28362	490858.43
3611268.86	1.13894		
490896.66	3611268.86	1.17715	490934.89
3611268.86	1.23763		

3611268.86	490973.12	3611268.86	1.26559	491011.35
	1.27640			
3611268.86	491049.58	3611268.86	1.26907	491087.81
	1.26476			
3611268.86	491126.04	3611268.86	1.24889	491164.27
	1.23562			
3611268.86	491202.50	3611268.86	1.24412	491240.73
	1.26162			
3611268.86	491278.96	3611268.86	1.27314	491317.19
	1.25868			
3611268.86	491355.42	3611268.86	1.24987	491393.65
	1.25753			
3611268.86	491431.88	3611268.86	1.25780	491470.11
	1.25641			
3611268.86	491508.34	3611268.86	1.26286	491546.57
	1.25247			
3611268.86	491584.80	3611268.86	1.23428	491623.03
	1.22779			
3611323.34	490858.43	3611323.34	1.04390	490896.66
	1.07226			
3611323.34	490934.89	3611323.34	1.13064	490973.12
	1.16434			
3611323.34	491011.35	3611323.34	1.18191	491049.58
	1.18563			
3611323.34	491087.81	3611323.34	1.18459	491126.04
	1.16312			
3611323.34	491164.27	3611323.34	1.15321	491202.50
	1.15846			

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
	Y-COORD (M)	CONC		

491240.73	3611323.34	1.15736	491278.96
3611323.34	1.17523		
491317.19	3611323.34	1.15480	491355.42
3611323.34	1.17031		
491393.65	3611323.34	1.16383	491431.88
3611323.34	1.18524		
491470.11	3611323.34	1.18432	491508.34
3611323.34	1.18570		
491546.57	3611323.34	1.18385	491584.80
3611323.34	1.18046		
491623.03	3611323.34	1.18915	491583.40
3608705.27	0.32799		
491577.37	3608727.37	0.33424	491573.36
3608753.50	0.34210		
491562.30	3608782.64	0.34702	491565.32
3608775.60	0.34652		
491547.23	3608819.81	0.36098	491545.22
3608840.91	0.36641		
491533.16	3608877.09	0.37019	491524.12
3608898.19	0.37695		
491522.11	3608915.27	0.38282	491520.10
3608925.32	0.38670		
491511.06	3608945.41	0.39444	491507.04
3608961.49	0.39901		
491499.00	3608982.59	0.40764	491498.00
3608992.64	0.41144		
491490.96	3609007.71	0.41891	491484.93
3609030.82	0.42611		
491478.91	3609048.91	0.43231	491470.87
3609072.02	0.44477		
491461.82	3609094.12	0.45907	491450.77
3609114.22	0.47009		
491449.77	3609129.29	0.47704	491443.74
3609145.37	0.48691		
491439.72	3609164.46	0.49740	491434.69
3609178.52	0.50361		
491424.65	3609198.62	0.51593	491418.62
3609216.71	0.52981		
491414.60	3609231.78	0.53971	491409.57
3609244.84	0.54898		
491398.52	3609273.98	0.56997	491397.52
3609289.05	0.58062		
491388.47	3609312.16	0.60059	491383.45
3609329.24	0.61513		
491377.42	3609354.36	0.64033	491374.41
3609371.44	0.66029		
491361.34	3609405.61	0.70269	491355.32
3609423.69	0.72694		
491340.24	3609470.92	0.79594	491324.17
3609526.18	0.89063		

491329.19	3609504.08	0.85187	491314.12
3609546.28	0.92933		
491302.06	3609575.42	0.99108	491296.03
3609594.51	1.03339		
491286.99	3609618.62	1.09225	491279.96
3609632.69	1.12880		
491274.93	3609648.77	1.17279	491269.91
3609666.85	1.22812		
491264.88	3609679.92	1.27022	491259.86
3609700.01	1.34035		
491269.76	3609874.49	2.30003	491098.46
3610169.21	8.74946		
491115.74	3610172.91	8.54301	491105.25
3610150.69	8.13643		
491109.57	3610134.65	7.58071	491108.33
3610125.39	7.28362		
491113.27	3610114.29	6.87094	491118.82
3610099.48	6.35186		
491122.52	3610087.75	5.96550	491127.46
3610070.47	5.43100		
491131.78	3610051.96	4.92052	491136.72
3610040.85	4.64354		
491138.57	3610034.07	4.48382	491139.80
3610021.73	4.22343		
491157.08	3610005.06	3.88770	491166.95
3609998.89	3.77919		
491178.68	3609984.70	3.55339	491174.98
3609963.10	3.22418		
491184.23	3609965.57	3.26798	491176.21
3609942.12	2.94492		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

491184.23	3609944.59	2.98329	491179.91
3609920.53	2.69592		
491191.64	3609922.99	2.73152	491189.17
3609903.25	2.51213		
491198.42	3609906.95	2.56221	491194.72
3609882.27	2.32521		
491205.83	3609887.20	2.38756	491200.89
3609866.84	2.21174		
491205.83	3609849.56	2.07817	491212.62
3609864.99	2.20518		
491303.94	3609929.78	2.82038	491267.54
3609903.25	2.55614		
491277.41	3609879.18	2.34129	491324.31
3609896.46	2.49651		
491135.48	3610120.46	6.90454	491124.99
3610139.59	7.57411		
491130.55	3610141.44	7.56186	491142.89
3610145.14	7.51174		
491165.10	3610151.31	7.39618	491172.51
3610156.25	7.41202		
491183.00	3610155.01	7.26335	491190.40
3610158.72	7.23243		
491197.81	3610138.97	6.79262	491162.02
3610130.33	6.94723		
491150.91	3610113.67	6.58040	491164.49
3610115.52	6.52859		
491178.06	3610123.54	6.63035	491189.17
3610125.39	6.59129		
491197.81	3610126.63	6.54266	491158.93
3610084.05	5.70306		
491175.59	3610088.37	5.74998	491188.55
3610090.84	5.74865		
491202.13	3610096.39	5.81992	491252.11
3610069.86	5.00870		
491240.39	3610095.77	5.59430	491232.36
3610128.48	6.27986		
491220.02	3610152.55	6.78900	491213.85
3610179.70	7.18570		
491204.60	3610206.85	7.48122	491297.77
3610095.16	5.25993		
491316.29	3610102.56	5.27398	491271.24
3610169.21	6.41278		
491296.54	3610170.44	6.13567	491224.34
3609806.98	1.81731		
491232.36	3609786.00	1.70825	491240.39
3609769.96	1.63005		
491245.94	3609753.92	1.55518	491250.26
3609731.08	1.45680		

491255.20	3609716.89	1.40271	491354.41
3609557.94	0.95988		
491349.69	3609575.67	0.99798	491331.95
3609630.05	1.13618		
491310.67	3609696.25	1.34253	491301.22
3609737.63	1.50188		
491289.40	3609771.91	1.65634	491276.39
3609801.46	1.80689		
491310.67	3609805.01	1.83933	492077.18
3610785.74	1.78275		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
491029.88	491055.18	491080.48	491105.78	490903.38	490928.68
490953.98	490979.28	491004.58			

3610794.59	2.83306	2.84225	2.84805	2.82920	2.81988
2.76199	2.72566	2.67463	2.58680		
3610785.63	2.87635	2.89504	2.88410	2.87634	2.84431
2.80042	2.75773	2.68387	2.60682		
3610776.67	2.93194	2.93355	2.93285	2.91399	2.88583
2.83737	2.77454	2.70785	2.62366		
3610767.71	2.98819	2.98737	2.96876	2.95927	2.91728
2.85827	2.80339	2.72891	2.61617		
3610758.75	3.03466	3.04002	3.02033	3.00380	2.93863
2.89248	2.81304	2.72759	2.62817		
3610749.79	3.09273	3.08051	3.07013	3.03061	2.97857
2.91062	2.83767	2.74418	2.63605		
3610740.83	3.14962	3.13626	3.11000	3.07474	3.00105
2.94120	2.85921	2.73570	2.62161		
3610731.87	3.19623	3.19036	3.15897	3.10827	3.03806
2.96841	2.85708	2.74650	2.62263		

3610722.91	|	3.25470	3.22987	3.20674	3.13148	3.07217
2.97678		2.87322	2.75261	2.60232		
3610713.95	|	3.31498	3.28404	3.23603	3.17245	3.08964
2.99844		2.86303	2.73496	2.59491		
3610704.99	|	3.35977	3.32751	3.28240	3.19540	3.11824
2.99519		2.87229	2.73301	2.56265		
3610696.03	|	3.41910	3.38020	3.31760	3.23186	3.12629
3.01029		2.87570	2.70966	2.54562		
3610687.07	|	3.46282	3.43103	3.34211	3.26460	3.14826
3.02017		2.85541	2.69813	2.52344		
3610678.11	|	3.52156	3.46239	3.38334	3.28038	3.16528
3.00473		2.84941	2.66058	2.46064		
3610669.15	|	3.57856	3.51058	3.40595	3.30576	3.15756
3.00541		2.82118	2.63833	2.43016		
3610660.19	|	3.62475	3.52700	3.44080	3.31047	3.16569
2.98119		2.80418	2.60964	2.37700		
3610651.23	|	3.67852	3.57157	3.45692	3.32685	3.14693
2.97105		2.76137	2.54168	2.33679		
3610642.27	|	3.71155	3.59541	3.48306	3.31685	3.14437
2.93785		2.73257	2.50481	2.27818		
3610633.31	|	3.76097	3.63243	3.48670	3.32284	3.11540
2.91593		2.65994	2.44500	2.23048		
3610624.35	|	3.77804	3.66394	3.50229	3.30020	3.10051
2.86732		2.62311	2.39824	2.15849		
3610615.39		3.82254	3.67622	3.48967	3.29399	3.06207
2.83347		2.56210	2.33285	2.10405		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|	X-COORD (METERS)				
(METERS)	|	491131.08	491156.38	491181.68	491206.98	491232.28
491257.58	|	491282.88	491308.18	491333.48		

3610794.59	|	2.50424	2.41315	2.31493	2.20252	2.06893
1.94841		1.82464	1.69017	1.55398		
3610785.63	|	2.51714	2.41802	2.31287	2.19345	2.05519
1.92671		1.79689	1.66074	1.52269		
3610776.67	|	2.52645	2.40418	2.28943	2.14511	2.01827
1.88780		1.74976	1.62822	1.48893		
3610767.71	|	2.51426	2.40344	2.28009	2.13151	1.99767
1.86084		1.71696	1.57366	1.43362		
3610758.75	|	2.51775	2.39826	2.24898	2.11184	1.97253
1.82810		1.68281	1.53580	1.39878		
3610749.79	|	2.50126	2.37041	2.21543	2.07208	1.93080
1.77709		1.62786	1.47773	1.36257		
3610740.83	|	2.49748	2.35794	2.19713	2.04621	1.89698
1.73933		1.58838	1.44107	1.30671		
3610731.87	|	2.48796	2.32163	2.15456	2.00239	1.84157
1.68138		1.52761	1.40299	1.26805		
3610722.91	|	2.45696	2.28472	2.12696	1.96904	1.80421
1.64017		1.48922	1.34775	1.21100		
3610713.95	|	2.43996	2.25996	2.09550	1.92980	1.76155
1.59863		1.44668	1.31056	1.17794		
3610704.99	|	2.38083	2.21377	2.04526	1.87035	1.69858
1.53600		1.38625	1.25490	1.14547		
3610696.03	|	2.35730	2.18155	2.00467	1.82775	1.65301
1.49411		1.34440	1.22074	1.09168		
3610687.07	|	2.32791	2.12924	1.94239	1.76192	1.58523
1.43396		1.28356	1.18733	1.06484		
3610678.11	|	2.27558	2.08878	1.89791	1.71454	1.54346
1.39330		1.25364	1.12911	1.01549		
3610669.15	|	2.23728	2.02373	1.82907	1.64397	1.48316
1.33655		1.22212	1.09809	0.99094		
3610660.19	|	2.17966	1.97761	1.78159	1.59597	1.44621
1.29972		1.16977	1.05206	0.96816		
3610651.23	|	2.13333	1.92813	1.71007	1.53045	1.40156
1.26083		1.13829	1.02749	0.94391		
3610642.27	|	2.06567	1.86015	1.66446	1.48841	1.34382
1.20064		1.08852	1.00132	0.92597		
3610633.31	|	2.01289	1.81100	1.61843	1.44465	1.30403
1.16870		1.06412	0.98140	0.90755		
3610624.35	|	1.94013	1.74123	1.55365	1.38492	1.24310
1.11886		1.03853	0.96459	0.89625		
3610615.39		1.88527	1.68935	1.50888	1.34969	1.21101
1.09481		1.01965	0.95507	0.89262		

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

GRIDCART ***
*** NETWORK ID: UCART1 ; NETWORK TYPE:

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491358.78	491384.08	491409.38	X-COORD (METERS)
---------------------	-----------	-----------	-----------	------------------

3610794.59	1.45899	1.33834	1.21793
3610785.63	1.40712	1.28285	1.18064
3610776.67	1.36837	1.24501	1.12588
3610767.71	1.31072	1.20971	1.09027
3610758.75	1.26833	1.15319	1.05827
3610749.79	1.22814	1.11976	1.00127
3610740.83	1.17599	1.08649	0.96973
3610731.87	1.14429	1.03538	0.91852
3610722.91	1.11306	1.00659	0.89147
3610713.95	1.05699	0.95834	0.86892
3610704.99	1.02728	0.93439	0.85126
3610696.03	0.97480	0.91555	0.83541
3610687.07	0.95041	0.89052	0.81798
3610678.11	0.92752	0.86016	0.79930
3610669.15	0.90651	0.83289	0.77996
3610660.19	0.89139	0.80909	0.76727
3610651.23	0.87180	0.79805	0.76133
3610642.27	0.85537	0.79360	0.75577
3610633.31	0.84600	0.78981	0.75748
3610624.35	0.83712	0.79021	0.76347
3610615.39	0.83273	0.79511	0.77411

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

GRIDCART ***
*** NETWORK ID: UCART2 ; NETWORK TYPE:

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	490964.36	490985.16	491005.96	491026.76	X-COORD (METERS)	491047.56
491068.36	491089.16	491109.96	491130.76			
3610597.95	3.38522	3.17392	2.96912	2.74335	2.53742	
2.33218	2.13022	1.93898	1.75815			
3610584.74	3.33696	3.12658	2.86725	2.65330	2.44178	
2.22743	2.02592	1.83722	1.66581			
3610571.53	3.27578	3.04483	2.77687	2.55563	2.33492	
2.12024	1.92119	1.74265	1.57745			
3610558.32	3.19527	2.93357	2.69587	2.44655	2.22419	
2.01138	1.82252	1.65069	1.49442			
3610545.11	3.08260	2.83292	2.59175	2.35638	2.13477	
1.91233	1.72929	1.59002	1.44857			
3610531.90	2.98218	2.72758	2.47907	2.24594	2.03060	
1.84135	1.67137	1.52054	1.39802			
3610518.69	2.87563	2.61453	2.36707	2.13935	1.93758	
1.76516	1.60526	1.47273	1.38836			
3610505.48	2.76014	2.50165	2.26084	2.04543	1.86064	
1.69949	1.56131	1.46612	1.39508			
3610492.27	2.67187	2.39796	2.17223	1.97193	1.80154	
1.66295	1.56375	1.48310	1.42485			
3610479.06	2.57234	2.31323	2.10112	1.91568	1.77140	
1.67414	1.59083	1.52654	1.48226			
3610465.85	2.46402	2.24470	2.04738	1.89392	1.79133	
1.70931	1.64599	1.59937	1.56983			
3610452.64	2.40214	2.19774	2.03168	1.92758	1.84047	
1.77952	1.73750	1.70939	1.69508			
3610439.43	2.36937	2.19799	2.08118	2.00097	1.93190	
1.89157	1.87137	1.86411	1.86478			
3610426.22	2.38925	2.27364	2.18157	2.11981	2.07359	
2.05464	2.05627	2.06687	2.08147			
3610413.01	2.48892	2.40284	2.33983	2.29671	2.27351	
2.27369	2.29331	2.31977	2.35005			
3610399.80	2.64777	2.58989	2.55906	2.53844	2.53693	
2.55578	2.58884	2.62768	2.66950			
3610386.59	2.88491	2.85364	2.85282	2.85222	2.86901	
2.90219	2.94401	2.98985	3.03724			
3610373.38	3.21168	3.20346	3.22235	3.24043	3.27102	
3.31176	3.35555	3.40115	3.44506			
3610360.17	3.63638	3.64423	3.67265	3.70201	3.73853	
3.77667	3.81506	3.85159	3.88370			
3610346.96	4.16063	4.17539	4.20319	4.23236	4.26193	
4.28597	4.30883	4.32708	4.33820			

3610333.75 | 4.77754 4.78572 4.80073 4.81476 4.82196
 4.82311 4.82033 4.81147 4.79506
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491151.56	491172.36	491193.16	491213.96	491234.76
491255.56	491276.36	491297.16	491317.96		

3610597.95	1.60374	1.46206	1.33206	1.21393	1.13347
1.06324	1.01025	0.96395	0.92341		
3610584.74	1.51526	1.37720	1.26222	1.17806	1.10164
1.04590	0.99786	0.96371	0.93552		
3610571.53	1.42901	1.32967	1.22725	1.15097	1.08011
1.03642	0.99744	0.97604	0.96066		
3610558.32	1.38450	1.27345	1.20217	1.13826	1.07427
1.04367	1.01459	1.00276	1.00044		
3610545.11	1.32963	1.25385	1.18989	1.13651	1.08648
1.06325	1.04437	1.04560	1.04837		
3610531.90	1.31329	1.24604	1.19646	1.15477	1.11624
1.10086	1.09569	1.10295	1.11442		
3610518.69	1.31342	1.25882	1.21899	1.18961	1.16902
1.15598	1.16090	1.17720	1.20064		
3610505.48	1.33385	1.29301	1.26376	1.24716	1.24167
1.23181	1.25223	1.27437	1.30559		
3610492.27	1.37857	1.35225	1.33688	1.33330	1.33987
1.34135	1.37163	1.40256	1.43827		
3610479.06	1.45430	1.44308	1.43902	1.44830	1.46656
1.48153	1.51831	1.55450	1.59694		
3610465.85	1.56029	1.56144	1.57371	1.59272	1.62452
1.65204	1.69436	1.73754	1.78554		
3610452.64	1.70344	1.71909	1.74428	1.77475	1.81367
1.85709	1.90363	1.94966	2.00128		

3610439.43	1.88822	1.91716	1.95382	1.99637	2.04083
2.09260	2.14119	2.19014	2.24272		
3610426.22	2.11810	2.15834	2.20414	2.25367	2.30327
2.35996	2.40573	2.45628	2.50640		
3610413.01	2.39523	2.44355	2.49690	2.54964	2.60037
2.65366	2.69719	2.74306	2.78676		
3610399.80	2.71745	2.77090	2.82479	2.87414	2.92130
2.97005	3.00672	3.04352	3.07821		
3610386.59	3.08291	3.13498	3.18201	3.22426	3.26366
3.29946	3.32722	3.35066	3.37090		
3610373.38	3.48467	3.52565	3.56218	3.59122	3.61685
3.63540	3.64684	3.65334	3.65494		
3610360.17	3.90950	3.93280	3.95103	3.96304	3.96879
3.96654	3.95920	3.94531	3.92618		
3610346.96	4.34352	4.34381	4.33771	4.32656	4.30953
4.28413	4.25546	4.22022	4.18131		
3610333.75	4.77256	4.74412	4.71062	4.67244	4.62946
4.58172	4.53064	4.45192	4.39576		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491338.76	491359.56	491380.36

3610597.95	0.88430	0.84052	0.81811
3610584.74	0.90443	0.86820	0.85325
3610571.53	0.93787	0.90922	0.90176
3610558.32	0.98222	0.96833	0.96793
3610545.11	1.04651	1.04718	1.05017
3610531.90	1.12115	1.12982	1.14653
3610518.69	1.21557	1.19351	1.24133
3610505.48	1.33175	1.30030	1.36312
3610492.27	1.47766	1.46619	1.53207

3610479.06	1.64798	1.66521	1.72454
3610465.85	1.83762	1.87667	1.93399
3610452.64	2.05536	2.09854	2.15777
3610439.43	2.29371	2.34239	2.39803
3610426.22	2.55341	2.59885	2.65485
3610413.01	2.82603	2.86617	2.91928
3610399.80	3.10601	3.13517	3.16205
3610386.59	3.38399	3.39904	3.40263
3610373.38	3.65313	3.65031	3.63591
3610360.17	3.90594	3.88615	3.85484
3610346.96	4.11826	4.08223	4.03649
3610333.75	4.34004	4.25767	4.19706

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
	491360.32	491376.93	491393.54	491410.15 491426.76
491443.37	491459.98	491476.59	491493.20	

3610184.45	4.67906	4.56257	4.45069	4.34297	4.23883
4.13838	4.02784	3.93597	3.84647		
3610142.84	4.48633	4.37654	4.27114	4.16960	4.07147
3.97660	3.88530	3.79795	3.71564		
3610101.23	4.22128	4.12437	4.04496	3.95508	3.86750
3.78202	3.69971	3.62137	3.54698		
3610059.62	3.89791	3.81886	3.74185	3.66714	3.59397
3.52296	3.45182	3.38344	3.31767		
3610018.01	3.48134	3.42578	3.37088	3.31670	3.26285
3.21579	3.16374	3.11137	3.05859		
3609976.40	2.96479	2.94375	2.91438	2.88463	2.85556
2.82563	2.79599	2.77093	2.73679		
3609934.79	2.39188	2.38835	2.38422	2.37664	2.37843
2.37065	2.36110	2.34985	2.33543		

3609893.18	1.80537	1.82615	1.83951	1.85259	1.86554
1.88255	1.89269	1.89915	1.90388		
3609851.57	1.31050	1.33757	1.36378	1.38252	1.40201
1.42219	1.44319	1.45824	1.47172		
3609809.96	0.92919	0.95846	0.98424	1.00093	1.02168
1.04198	1.06400	1.08315	1.10391		
3609768.35	0.67635	0.69468	0.71189	0.72962	0.74359
0.75978	0.78038	0.79911	0.81330		
3609726.74	0.52648	0.53520	0.54598	0.55736	0.56932
0.57989	0.59081	0.60207	0.61572		
3609685.13	0.43759	0.44261	0.44927	0.45951	0.46547
0.47173	0.47652	0.48334	0.49045		
3609643.52	0.38561	0.38557	0.38793	0.39534	0.39912
0.40158	0.40703	0.41120	0.41554		
3609601.91	0.34325	0.34541	0.34854	0.35163	0.35354
0.35653	0.36077	0.36518	0.36979		
3609560.30	0.30962	0.31367	0.31583	0.31789	0.32185
0.32590	0.33006	0.33435	0.33874		
3609518.69	0.28176	0.28560	0.28955	0.29360	0.29671
0.29981	0.30405	0.30840	0.31421		
3609477.08	0.25610	0.26076	0.26514	0.26804	0.27098
0.27489	0.28002	0.28429	0.28865		
3609435.47	0.23687	0.23921	0.24225	0.24476	0.24882
0.25410	0.25600	0.25984	0.26381		
3609393.86	0.22044	0.22186	0.22388	0.22655	0.23004
0.23310	0.23405	0.23803	0.24235		
3609352.25	0.20462	0.20677	0.20919	0.21088	0.21320
0.21629	0.21899	0.22185	0.22410		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491592.86	491509.81	491526.42	491543.03	491559.64
491609.47	491626.08	491642.69		491576.25

3610184.45	3.75726	3.67109	3.58864	3.51037	3.43502
3.36251	3.28880	3.21716	3.15188		
3610142.84	3.62982	3.54811	3.47205	3.39821	3.32501
3.25400	3.18631	3.12233	3.05934		
3610101.23	3.47057	3.39680	3.32337	3.25663	3.19155
3.12762	3.06438	3.00292	2.94628		
3610059.62	3.26914	3.20684	3.14222	3.08272	3.02485
2.96732	2.91118	2.85782	2.81269		
3610018.01	3.00802	2.95927	2.91154	2.86093	2.81224
2.77125	2.72279	2.67652	2.63780		
3609976.40	2.70200	2.67054	2.64063	2.60302	2.56511
2.53006	2.50296	2.46661	2.42861		
3609934.79	2.32876	2.31361	2.29724	2.27796	2.25757
2.23616	2.22062	2.19788	2.17442		
3609893.18	1.90285	1.90850	1.90871	1.90539	1.90057
1.89636	1.89417	1.88581	1.87425		
3609851.57	1.48363	1.49905	1.51083	1.51680	1.52356
1.52892	1.54481	1.55047	1.55257		
3609809.96	1.12152	1.13593	1.14946	1.16206	1.17808
1.19314	1.20965	1.22536	1.23749		
3609768.35	0.82968	0.84363	0.85522	0.87307	0.89293
0.91272	0.92978	0.94643	0.97123		
3609726.74	0.62551	0.63762	0.65211	0.66459	0.67717
0.69446	0.71217	0.73028	0.74871		
3609685.13	0.49603	0.50559	0.51761	0.52811	0.54124
0.55500	0.56946	0.58177	0.59734		
3609643.52	0.42004	0.42819	0.43889	0.45052	0.45838
0.46426	0.47529	0.48703	0.49946		
3609601.91	0.37775	0.38466	0.39009	0.39774	0.40367
0.40763	0.41635	0.42568	0.43292		
3609560.30	0.34322	0.34943	0.35423	0.36101	0.36612
0.37353	0.37686	0.38252	0.38839		
3609518.69	0.31737	0.32049	0.32513	0.33328	0.33827
0.34143	0.34657	0.35403	0.36193		
3609477.08	0.29182	0.29633	0.30244	0.30723	0.31212
0.31364	0.31857	0.32363	0.32881		
3609435.47	0.27025	0.27336	0.27520	0.27959	0.28407
0.29173	0.29180	0.29335	0.30142		
3609393.86	0.24799	0.25190	0.25480	0.25773	0.26317
0.27034	0.27503	0.27987	0.28488		
3609352.25	0.22724	0.23333	0.24026	0.24185	0.24347
0.24995	0.25563	0.26018	0.26180		

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 *** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
---------------------	--	--	------------------

3610184.45	3.08428	3.01690	2.95808
3610142.84	2.99517	2.93105	2.87020
3610101.23	2.88846	2.83054	2.77407
3610059.62	2.76493	2.71289	2.65421
3610018.01	2.59541	2.55208	2.50160
3609976.40	2.39068	2.35619	2.32019
3609934.79	2.15218	2.12754	2.10631
3609893.18	1.86559	1.85594	1.84321
3609851.57	1.55582	1.55794	1.56436
3609809.96	1.24857	1.26509	1.27468
3609768.35	0.98710	0.99929	1.01388
3609726.74	0.76739	0.78627	0.80189
3609685.13	0.61665	0.63699	0.64738
3609643.52	0.51254	0.52304	0.53728
3609601.91	0.44045	0.45125	0.45954
3609560.30	0.39448	0.40078	0.40456
3609518.69	0.36525	0.36366	0.37438
3609477.08	0.33413	0.33735	0.34053
3609435.47	0.30831	0.31772	0.31484
3609393.86	0.29004	0.29344	0.29881
3609352.25	0.26979	0.28044	0.28199

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	6.55895	491278.96
3610288.22	5.15755		
491317.19	3610288.22	4.94076	491355.42
3610288.22	4.72914		
491393.65	3610342.70	4.03928	491431.88
3610342.70	3.94066		
491470.11	3610342.70	3.83060	491508.34
3610342.70	3.69323		
491546.57	3610342.70	3.57661	491584.80
3610342.70	3.44398		
491623.03	3610342.70	3.32600	491508.34
3610397.18	3.19181		
491546.57	3610397.18	3.13105	491584.80
3610397.18	3.08245		
491623.03	3610397.18	3.02464	491508.34
3610451.66	2.43456		
491546.57	3610451.66	2.47305	491584.80
3610451.66	2.48819		
491623.03	3610451.66	2.50095	491508.34
3610506.14	1.66064		
491546.57	3610506.14	1.73927	491584.80
3610506.14	1.79687		
491623.03	3610506.14	1.85863	491508.34
3610560.62	1.13062		
491546.57	3610560.62	1.19232	491584.80
3610560.62	1.24876		
491623.03	3610560.62	1.30565	491087.81
3610615.10	2.26957		
491126.04	3610615.10	1.92058	491508.34
3610615.10	0.84592		
491546.57	3610615.10	0.86151	491584.80
3610615.10	0.90686		
491623.03	3610615.10	0.96371	491087.81
3610669.58	2.58993		
491126.04	3610669.58	2.27430	491508.34
3610669.58	0.71763		
491546.57	3610669.58	0.69253	491584.80
3610669.58	0.70247		
491623.03	3610669.58	0.71398	491546.57
3610724.06	0.67251		

491584.80	3610724.06	0.66981	491623.03
3610724.06	0.66405		
491546.57	3610778.54	0.70872	491584.80
3610778.54	0.65215		
491623.03	3610778.54	0.66231	490934.89
3610833.02	2.64495		
490973.12	3610833.02	2.65832	491011.35
3610833.02	2.64830		
491049.58	3610833.02	2.61857	491087.81
3610833.02	2.55526		
491126.04	3610833.02	2.47660	491164.27
3610833.02	2.36299		
491202.50	3610833.02	2.25189	491240.73
3610833.02	2.10572		
491278.96	3610833.02	1.94410	491317.19
3610833.02	1.78379		
491355.42	3610833.02	1.60578	491393.65
3610833.02	1.43929		
491431.88	3610833.02	1.27046	491470.11
3610833.02	1.10965		
491508.34	3610833.02	0.98638	491546.57
3610833.02	0.86047		
491584.80	3610833.02	0.73915	491623.03
3610833.02	0.69979		
490934.89	3610887.50	2.39222	490973.12
3610887.50	2.41669		
491011.35	3610887.50	2.41280	491049.58
3610887.50	2.40899		
491087.81	3610887.50	2.39672	491126.04
3610887.50	2.34286		
491164.27	3610887.50	2.28348	491202.50
3610887.50	2.21397		
491240.73	3610887.50	2.11030	491278.96
3610887.50	2.01168		
491317.19	3610887.50	1.87716	491355.42
3610887.50	1.73983		
491393.65	3610887.50	1.61459	491431.88
3610887.50	1.45842		
491470.11	3610887.50	1.31467	491508.34
3610887.50	1.17235		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	1.04655	491584.80
3610887.50	0.92719		
491623.03	3610887.50	0.82194	490858.43
3610941.98	2.14526		
490896.66	3610941.98	2.14418	490934.89
3610941.98	2.17140		
490973.12	3610941.98	2.18597	491011.35
3610941.98	2.21202		
491049.58	3610941.98	2.21188	491087.81
3610941.98	2.20662		
491126.04	3610941.98	2.19711	491164.27
3610941.98	2.15366		
491202.50	3610941.98	2.12263	491240.73
3610941.98	2.06023		
491278.96	3610941.98	1.98728	491317.19
3610941.98	1.89082		
491355.42	3610941.98	1.79689	491393.65
3610941.98	1.68276		
491431.88	3610941.98	1.57444	491470.11
3610941.98	1.46585		
491508.34	3610941.98	1.34276	491546.57
3610941.98	1.19399		
491584.80	3610941.98	1.07383	491623.03
3610941.98	0.97497		
490858.43	3610996.46	1.98020	490896.66
3610996.46	1.96190		
490934.89	3610996.46	1.97184	490973.12
3610996.46	2.00096		
491011.35	3610996.46	2.01580	491049.58
3610996.46	2.03361		
491087.81	3610996.46	2.03302	491126.04
3610996.46	2.02807		
491164.27	3610996.46	2.02237	491202.50
3610996.46	1.98634		
491240.73	3610996.46	1.96457	491278.96
3610996.46	1.90246		
491317.19	3610996.46	1.84721	491355.42
3610996.46	1.78036		

491393.65	3610996.46	1.69385	491431.88
3610996.46	1.61687		
491470.11	3610996.46	1.51570	491508.34
3610996.46	1.43136		
491546.57	3610996.46	1.31940	491584.80
3610996.46	1.21788		
491623.03	3610996.46	1.09358	490858.43
3611050.94	1.83610		
490896.66	3611050.94	1.83445	490934.89
3611050.94	1.82798		
490973.12	3611050.94	1.83359	491011.35
3611050.94	1.84603		
491049.58	3611050.94	1.85448	491087.81
3611050.94	1.87686		
491126.04	3611050.94	1.87447	491164.27
3611050.94	1.87049		
491202.50	3611050.94	1.86422	491240.73
3611050.94	1.84149		
491278.96	3611050.94	1.81372	491317.19
3611050.94	1.78145		
491355.42	3611050.94	1.71769	491393.65
3611050.94	1.66490		
491431.88	3611050.94	1.60786	491470.11
3611050.94	1.54999		
491508.34	3611050.94	1.46511	491546.57
3611050.94	1.38925		
491584.80	3611050.94	1.30122	491623.03
3611050.94	1.21158		
490858.43	3611105.42	1.71467	490896.66
3611105.42	1.70703		
490934.89	3611105.42	1.69603	490973.12
3611105.42	1.69196		
491011.35	3611105.42	1.70097	491049.58
3611105.42	1.70300		
491087.81	3611105.42	1.71719	491126.04
3611105.42	1.72176		
491164.27	3611105.42	1.72995	491202.50
3611105.42	1.72520		
491240.73	3611105.42	1.71704	491278.96
3611105.42	1.69892		
491317.19	3611105.42	1.67500	491355.42
3611105.42	1.64906		

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	1.61294	491431.88
3611105.42	1.55727		
491470.11	3611105.42	1.50937	491508.34
3611105.42	1.46817		
491546.57	3611105.42	1.40403	491584.80
3611105.42	1.33188		
491623.03	3611105.42	1.27660	490858.43
3611159.90	1.60967		
490896.66	3611159.90	1.59594	490934.89
3611159.90	1.58477		
490973.12	3611159.90	1.57216	491011.35
3611159.90	1.56208		
491049.58	3611159.90	1.55987	491087.81
3611159.90	1.57309		
491126.04	3611159.90	1.59211	491164.27
3611159.90	1.59405		
491202.50	3611159.90	1.60276	491240.73
3611159.90	1.59723		
491278.96	3611159.90	1.58971	491317.19
3611159.90	1.57109		
491355.42	3611159.90	1.54994	491393.65
3611159.90	1.53055		
491431.88	3611159.90	1.50385	491470.11
3611159.90	1.47487		
491508.34	3611159.90	1.43927	491546.57
3611159.90	1.39079		
491584.80	3611159.90	1.33670	491623.03
3611159.90	1.28530		
490858.43	3611214.38	1.50896	490896.66
3611214.38	1.49494		
490934.89	3611214.38	1.49427	490973.12
3611214.38	1.46911		
491011.35	3611214.38	1.44638	491049.58
3611214.38	1.44605		
491087.81	3611214.38	1.44508	491126.04
3611214.38	1.45799		

491164.27	3611214.38	1.47124	491202.50
3611214.38	1.48078		
491240.73	3611214.38	1.47155	491278.96
3611214.38	1.48310		
491317.19	3611214.38	1.47758	491355.42
3611214.38	1.46672		
491393.65	3611214.38	1.45249	491431.88
3611214.38	1.42429		
491470.11	3611214.38	1.41217	491508.34
3611214.38	1.38160		
491546.57	3611214.38	1.34567	491584.80
3611214.38	1.31890		
491623.03	3611214.38	1.28699	490858.43
3611268.86	1.41060		
490896.66	3611268.86	1.40879	490934.89
3611268.86	1.40825		
490973.12	3611268.86	1.38682	491011.35
3611268.86	1.35767		
491049.58	3611268.86	1.35311	491087.81
3611268.86	1.35067		
491126.04	3611268.86	1.34853	491164.27
3611268.86	1.35268		
491202.50	3611268.86	1.36760	491240.73
3611268.86	1.38107		
491278.96	3611268.86	1.37833	491317.19
3611268.86	1.37850		
491355.42	3611268.86	1.37408	491393.65
3611268.86	1.35626		
491431.88	3611268.86	1.35228	491470.11
3611268.86	1.34420		
491508.34	3611268.86	1.33038	491546.57
3611268.86	1.29370		
491584.80	3611268.86	1.27648	491623.03
3611268.86	1.25905		
490858.43	3611323.34	1.31629	490896.66
3611323.34	1.32438		
490934.89	3611323.34	1.31866	490973.12
3611323.34	1.30912		
491011.35	3611323.34	1.28419	491049.58
3611323.34	1.25680		
491087.81	3611323.34	1.25651	491126.04
3611323.34	1.24720		
491164.27	3611323.34	1.26200	491202.50
3611323.34	1.26534		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	1.27970	491278.96
3611323.34	1.27767		
491317.19	3611323.34	1.27623	491355.42
3611323.34	1.28371		
491393.65	3611323.34	1.27872	491431.88
3611323.34	1.27306		
491470.11	3611323.34	1.26864	491508.34
3611323.34	1.26324		
491546.57	3611323.34	1.25543	491584.80
3611323.34	1.24193		
491623.03	3611323.34	1.23517	491583.40
3608705.27	0.17597		
491577.37	3608727.37	0.17636	491573.36
3608753.50	0.17775		
491562.30	3608782.64	0.17390	491565.32
3608775.60	0.17561		
491547.23	3608819.81	0.17615	491545.22
3608840.91	0.17608		
491533.16	3608877.09	0.16857	491524.12
3608898.19	0.16793		
491522.11	3608915.27	0.16889	491520.10
3608925.32	0.16976		
491511.06	3608945.41	0.16983	491507.04
3608961.49	0.16908		
491499.00	3608982.59	0.16958	491498.00
3608992.64	0.17012		
491490.96	3609007.71	0.17108	491484.93
3609030.82	0.16977		
491478.91	3609048.91	0.16898	491470.87
3609072.02	0.17122		
491461.82	3609094.12	0.17472	491450.77
3609114.22	0.17538		
491449.77	3609129.29	0.17643	491443.74
3609145.37	0.17842		

491439.72	3609164.46	0.18013	491434.69
3609178.52	0.17965		
491424.65	3609198.62	0.18073	491418.62
3609216.71	0.18430		
491414.60	3609231.78	0.18628	491409.57
3609244.84	0.18788		
491398.52	3609273.98	0.19134	491397.52
3609289.05	0.19395		
491388.47	3609312.16	0.19820	491383.45
3609329.24	0.20123		
491377.42	3609354.36	0.20774	491374.41
3609371.44	0.21371		
491361.34	3609405.61	0.22491	491355.32
3609423.69	0.23150		
491340.24	3609470.92	0.25045	491324.17
3609526.18	0.27846		
491329.19	3609504.08	0.26717	491314.12
3609546.28	0.29010		
491302.06	3609575.42	0.30986	491296.03
3609594.51	0.32291		
491286.99	3609618.62	0.34183	491279.96
3609632.69	0.35376		
491274.93	3609648.77	0.36821	491269.91
3609666.85	0.38866		
491264.88	3609679.92	0.40503	491259.86
3609700.01	0.43386		
491269.76	3609874.49	1.43165	491098.46
3610169.21	7.28785		
491115.74	3610172.91	7.08208	491105.25
3610150.69	7.03371		
491109.57	3610134.65	6.76638	491108.33
3610125.39	6.65797		
491113.27	3610114.29	6.41669	491118.82
3610099.48	6.08861		
491122.52	3610087.75	5.83254	491127.46
3610070.47	5.44826		
491131.78	3610051.96	5.02398	491136.72
3610040.85	4.73901		
491138.57	3610034.07	4.57160	491139.80
3610021.73	4.26460		
491157.08	3610005.06	3.81757	491166.95
3609998.89	3.64990		
491178.68	3609984.70	3.31374	491174.98
3609963.10	2.83370		
491184.23	3609965.57	2.89260	491176.21
3609942.12	2.38204		

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	2.44241	491179.91
3609920.53	1.97587		
491191.64	3609922.99	2.04197	491189.17
3609903.25	1.68339		
491198.42	3609906.95	1.77126	491194.72
3609882.27	1.38389		
491205.83	3609887.20	1.49192	491200.89
3609866.84	1.21489		
491205.83	3609849.56	1.02998	491212.62
3609864.99	1.21777		
491303.94	3609929.78	2.28803	491267.54
3609903.25	1.83095		
491277.41	3609879.18	1.50561	491324.31
3609896.46	1.80500		
491135.48	3610120.46	6.24758	491124.99
3610139.59	6.63406		
491130.55	3610141.44	6.58262	491142.89
3610145.14	6.46536		
491165.10	3610151.31	6.27424	491172.51
3610156.25	6.22610		
491183.00	3610155.01	6.09938	491190.40
3610158.72	6.04274		
491197.81	3610138.97	5.79977	491162.02
3610130.33	6.08336		
491150.91	3610113.67	5.99191	491164.49
3610115.52	5.87479		
491178.06	3610123.54	5.84280	491189.17
3610125.39	5.75035		
491197.81	3610126.63	5.67762	491158.93
3610084.05	5.44914		
491175.59	3610088.37	5.38914	491188.55
3610090.84	5.31555		

491202.13	3610096.39	5.28520	491252.11
3610069.86	4.58636		
491240.39	3610095.77	4.97654	491232.36
3610128.48	5.37160		
491220.02	3610152.55	5.69461	491213.85
3610179.70	5.92494		
491204.60	3610206.85	6.11296	491297.77
3610095.16	4.56847		
491316.29	3610102.56	4.50331	491271.24
3610169.21	5.31753		
491296.54	3610170.44	5.10659	491224.34
3609806.98	0.73876		
491232.36	3609786.00	0.64616	491240.39
3609769.96	0.58915		
491245.94	3609753.92	0.54030	491250.26
3609731.08	0.48575		
491255.20	3609716.89	0.46112	491354.41
3609557.94	0.30623		
491349.69	3609575.67	0.31715	491331.95
3609630.05	0.36289		
491310.67	3609696.25	0.44029	491301.22
3609737.63	0.52276		
491289.40	3609771.91	0.63184	491276.39
3609801.46	0.76601		
491310.67	3609805.01	0.83430	492077.18
3610785.74	0.89842		

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)
(METERS)	|	490903.38	490928.68	490953.98	490979.28 491004.58
491029.88	|	491055.18	491080.48	491105.78	

3610794.59	|	3.23044	3.18461	3.15639	3.12879	3.11184
3.11526		3.11351	3.12396	3.12251		
3610785.63	|	3.30244	3.25300	3.22600	3.19811	3.18133
3.18323		3.17849	3.18566	3.18639		
3610776.67	|	3.37365	3.32207	3.29525	3.26951	3.25402
3.25477		3.24838	3.25228	3.25231		
3610767.71	|	3.44625	3.39732	3.37187	3.34278	3.32780
3.31781		3.32157	3.31055	3.31501		
3610758.75	|	3.52401	3.47247	3.44921	3.42050	3.40605
3.39558		3.39819	3.38622	3.38990		
3610749.79	|	3.60287	3.55355	3.51865	3.49994	3.48700
3.47784		3.47200	3.45119	3.46760		
3610740.83	|	3.68625	3.63479	3.60146	3.58442	3.56133
3.56178		3.55639	3.53682	3.55170		
3610731.87	|	3.77081	3.72395	3.68834	3.67197	3.64932
3.64928		3.64451	3.62612	3.62927		
3610722.91	|	3.86247	3.81405	3.77742	3.75356	3.74146
3.72890		3.73596	3.70677	3.72374		
3610713.95	|	3.95600	3.90888	3.87283	3.84777	3.83649
3.82455		3.83232	3.80561	3.82266		
3610704.99	|	4.05558	4.00639	3.97153	3.94723	3.93591
3.92429		3.91739	3.90892	3.91368		
3610696.03	|	4.15988	4.10961	4.07373	4.05227	4.03992
4.02924		4.02333	4.01642	4.02294		
3610687.07	|	4.26743	4.21775	4.18253	4.14826	4.13622
4.13861		4.13428	4.12039	4.13682		
3610678.11	|	4.38224	4.33073	4.29646	4.26173	4.25089
4.24534		4.23714	4.23873	4.24421		
3610669.15	|	4.51401	4.44759	4.41673	4.38095	4.37068
4.36639		4.34157	4.36254	4.36938		
3610660.19	|	4.63637	4.57242	4.54169	4.50633	4.49683
4.49261		4.47050	4.48038	4.49997		
3610651.23	|	4.76887	4.70359	4.67280	4.63883	4.62929
4.62586		4.60615	4.61698	4.62111		
3610642.27	|	4.90791	4.84285	4.81117	4.77772	4.75467
4.75811		4.73436	4.74658	4.76515		
3610633.31	|	5.05519	4.98750	4.95809	4.92480	4.90198
4.90577		4.88506	4.89830	4.90247		
3610624.35	|	5.21169	5.14210	5.11374	5.06312	5.05707
5.06189		5.04372	5.05761	5.06164		
3610615.39		5.38161	5.30795	5.26222	5.22664	5.22084
5.20821		5.20103	5.21227	5.21773		

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
	491131.08	491156.38	491181.68	491206.98 491232.28
491257.58	491282.88	491308.18	491333.48	

3610794.59	3.14764	3.17499	3.20399	3.22433	3.25341
3.28999	3.30078	3.30834	3.31518		
3610785.63	3.21291	3.24266	3.27311	3.29515	3.32378
3.34620	3.35409	3.37569	3.35566		
3610776.67	3.28150	3.29836	3.33600	3.36769	3.39578
3.41741	3.42534	3.42693	3.42638		
3610767.71	3.34127	3.37220	3.41032	3.42831	3.46135
3.47620	3.49810	3.49943	3.48372		
3610758.75	3.41583	3.44856	3.48703	3.50612	3.53793
3.55240	3.56385	3.57356	3.55903		
3610749.79	3.49488	3.51610	3.54106	3.57578	3.60377
3.63097	3.64153	3.62449	3.63641		
3610740.83	3.56628	3.59929	3.62506	3.65894	3.68600
3.69772	3.70294	3.70579	3.70334		
3610731.87	3.65304	3.68543	3.71177	3.74443	3.77043
3.78205	3.78698	3.77481	3.78607		
3610722.91	3.74548	3.76518	3.78689	3.82443	3.84382
3.85947	3.87347	3.86227	3.85685		
3610713.95	3.82722	3.86033	3.88045	3.91654	3.93524
3.95004	3.93726	3.93953	3.94699		
3610704.99	3.92989	3.95984	3.96646	3.99880	4.01529
4.02493	4.03214	4.03376	4.02117		
3610696.03	4.03833	4.03743	4.06922	4.09832	4.11420
4.12345	4.11597	4.11596	4.12006		
3610687.07	4.13949	4.14774	4.17585	4.18674	4.20715
4.19752	4.21906	4.21899	4.20290		
3610678.11	4.25857	4.24937	4.27749	4.29631	4.31435
4.30641	4.31364	4.30608	4.31155		
3610669.15	4.37298	4.37235	4.39276	4.41009	4.40704
4.40396	4.42601	4.41949	4.40596		
3610660.19	4.50357	4.50044	4.50362	4.51413	4.52542
4.52294	4.52846	4.51700	4.52542		
3610651.23	4.63982	4.62387	4.63362	4.63809	4.62083
4.63357	4.65177	4.64213	4.63421		

3610642.27	4.75503	4.76459	4.75388	4.76052	4.75229
4.76433	4.76251	4.75394	4.76493		
3610633.31	4.90600	4.90228	4.89722	4.88075	4.87452
4.88532	4.87865	4.89193	4.88312		
3610624.35	5.04746	5.05690	5.03308	5.02899	5.01993
5.02991	5.02439	5.01989	5.00794		
3610615.39	5.21381	5.20567	5.19322	5.15506	5.16193
5.16212	5.15730	5.17055	5.14131		

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
	491358.78	491384.08	491409.38	

3610794.59	3.30028	3.30624	3.28348
3610785.63	3.36734	3.35563	3.34905
3610776.67	3.42258	3.42328	3.41612
3610767.71	3.49336	3.47360	3.46728
3610758.75	3.56578	3.54742	3.54106
3610749.79	3.62688	3.62358	3.59955
3610740.83	3.70612	3.68374	3.68023
3610731.87	3.76991	3.76755	3.74834
3610722.91	3.85670	3.83600	3.83643
3610713.95	3.92694	3.92752	3.90968
3610704.99	4.02199	4.00706	4.00594
3610696.03	4.10242	4.10680	4.07080
3610687.07	4.20675	4.19225	4.17759
3610678.11	4.29946	4.30124	4.27081
3610669.15	4.41338	4.38063	4.38483
3610660.19	4.51385	4.50129	4.48836
3610651.23	4.63836	4.60982	4.60906
3610642.27	4.73432	4.73827	4.71558
3610633.31	4.85423	4.85736	4.84367

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3610624.35 | 4.99703 4.97590 4.95704
3610615.39 | 5.12989 5.11785 5.09309
^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGPA-A ***
INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

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Y-COORD | X-COORD (METERS)
(METERS) | 490964.36 490985.16 491005.96 491026.76 491047.56
491068.36 491089.16 491109.96 491130.76

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3610597.95 | 5.60037 5.56853 5.55582 5.55195 5.54523
5.55384 5.55060 5.54660 5.55058
3610584.74 | 5.88988 5.85960 5.84851 5.84466 5.82983
5.83437 5.84414 5.82131 5.82905
3610571.53 | 6.19706 6.16401 6.15803 6.12807 6.13618
6.15472 6.15108 6.12585 6.12781
3610558.32 | 6.53612 6.51677 6.50892 6.48075 6.48836
6.48644 6.46712 6.46203 6.45257
3610545.11 | 6.93117 6.90760 6.88598 6.85028 6.85893
6.85459 6.83243 6.82546 6.81148
3610531.90 | 7.37652 7.32408 7.31648 7.26738 7.26945
7.26536 7.24063 7.24397 7.21373
3610518.69 | 7.98763 7.81884 7.77154 7.72661 7.72070
7.69695 7.69440 7.66660 7.64616
3610505.48 | 8.86345 8.42714 8.25748 8.25964 8.22852
8.19936 8.19435 8.16715 8.10014
3610492.27 | 10.04800 9.32987 8.84679 8.83306 8.79962
8.76781 8.75076 8.71171 8.65052
3610479.06 | 11.18145 10.22553 9.73237 9.48980 9.41810
9.41048 9.37817 9.29423 9.26201
3610465.85 | 12.11932 11.44771 10.53992 10.28031 10.14670
10.13490 10.09703 10.00131 9.94375
3610452.64 | 12.86201 12.74964 11.79222 11.12742 10.99071
10.93522 10.83784 10.79784 10.68608

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3610439.43	12.47266	14.01918	13.02090	12.29983	11.94139
11.89344	11.77518	11.66548	11.55827		
3610426.22	13.07834	15.44501	14.12987	13.50585	13.12739
12.93065	12.81237	12.68991	12.46343		
3610413.01	13.70330	16.73532	16.07614	14.72158	14.43679
14.19704	14.03281	13.79826	13.56227		
3610399.80	14.99574	17.57652	17.74082	16.69237	15.84889
15.63877	15.39466	15.05173	14.72391		
3610386.59	16.76405	20.68755	19.03071	18.77251	17.68286
17.28245	16.86256	16.46518	15.95101		
3610373.38	19.09016	23.24277	21.93370	20.58803	19.85108
19.09697	18.53117	17.91664	17.17263		
3610360.17	22.83935	23.69622	25.32189	22.88614	22.03087
21.07097	20.25134	19.34921	18.35299		
3610346.96	27.30707	28.26923	27.97289	25.89109	24.13869
23.07600	21.91634	20.65515	19.47639		
3610333.75	31.16262	33.86242	30.72563	28.78286	26.56594
25.00297	23.38601	21.88072	20.40134		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	491151.56	491172.36	491193.16	491213.96	491234.76
491255.56	491276.36	491297.16	491317.96		

3610597.95	5.52809	5.51495	5.47486	5.46393	5.47490
5.46017	5.46847	5.45640	5.44099		
3610584.74	5.81526	5.79814	5.74009	5.74163	5.72487
5.70945	5.71586	5.68123	5.68119		
3610571.53	6.11020	6.06547	6.03237	6.02589	5.99664
5.98218	5.96324	5.94531	5.93871		
3610558.32	6.43898	6.37689	6.34958	6.33090	6.29970
6.27337	6.23577	6.23023	6.20929		

3610545.11	6.76799	6.73324	6.69191	6.66458	6.62986
6.57382	6.55237	6.53132	6.49904		
3610531.90	7.15050	7.12199	7.06731	7.03347	6.96623
6.92770	6.88727	6.85423	6.80963		
3610518.69	7.58948	7.54439	7.48299	7.41800	7.33810
7.31128	7.24951	7.20186	7.14528		
3610505.48	8.07181	8.01094	7.94320	7.84334	7.77235
7.72233	7.64221	7.57842	7.50538		
3610492.27	8.60197	8.53009	8.42582	8.33534	8.24133
8.14229	8.06677	7.98132	7.84492		
3610479.06	9.19214	9.10797	8.96708	8.85473	8.74968
8.62042	8.52131	8.36711	8.24298		
3610465.85	9.83379	9.70622	9.59076	9.44096	9.27746
9.14029	8.97945	8.81292	8.65776		
3610452.64	10.55414	10.40869	10.24589	10.07507	9.86792
9.66343	9.45551	9.27463	9.05388		
3610439.43	11.36835	11.19866	10.98170	10.73453	10.46402
10.20569	9.94118	9.71431	9.46368		
3610426.22	12.27539	12.03099	11.77129	11.42720	11.08327
10.75237	10.46315	10.16180	9.85206		
3610413.01	13.28204	12.94937	12.54689	12.13721	11.70583
11.32304	10.95429	10.58025	10.21630		
3610399.80	14.32817	13.85099	13.32840	12.84537	12.34700
11.81618	11.37311	10.93724	10.48386		
3610386.59	15.37824	14.74922	14.16059	13.52298	12.89920
12.30043	11.74780	11.21335	10.73087		
3610373.38	16.40980	15.68240	14.90865	14.15914	13.42399
12.66095	12.06437	11.49836	10.95915		
3610360.17	17.42054	16.50390	15.55288	14.64056	13.76632
12.97918	12.29440	11.67051	11.08157		
3610346.96	18.29045	17.18353	16.04767	15.01014	14.06952
13.19894	12.48179	11.80650	11.17092		
3610333.75	18.95639	17.64104	16.44955	15.28822	14.30704
13.35928	12.52656	11.80544	11.19039		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491338.76	491359.56	491380.36

3610597.95	5.42469	5.41294	5.39047
3610584.74	5.65533	5.63505	5.60421
3610571.53	5.89921	5.86998	5.83357
3610558.32	6.15873	6.12258	6.07761
3610545.11	6.43886	6.39193	6.33238
3610531.90	6.73978	6.67602	6.59225
3610518.69	7.05629	6.97532	6.88394
3610505.48	7.38157	7.30448	7.19245
3610492.27	7.73700	7.63637	7.50037
3610479.06	8.10967	7.97116	7.81484
3610465.85	8.48811	8.31489	8.11887
3610452.64	8.83965	8.61424	8.38004
3610439.43	9.19885	8.93247	8.66124
3610426.22	9.54138	9.19784	8.88856
3610413.01	9.82611	9.43754	9.08001
3610399.80	10.07628	9.67200	9.27780
3610386.59	10.26717	9.85991	9.43532
3610373.38	10.44955	9.95957	9.54214
3610360.17	10.57103	10.04075	9.59544
3610346.96	10.57654	10.07100	9.56205
3610333.75	10.57378	10.00147	9.48797

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	491360.32	491376.93	491393.54	491410.15	491426.76
491443.37	491459.98	491476.59	491493.20		

3610184.45	7.98187	7.68051	7.39846	7.13515	6.88653
6.65222	6.43076	6.22278	6.02673		
3610142.84	7.38089	7.13585	6.89472	6.66651	6.45119
6.24674	6.07027	5.88610	5.71204		
3610101.23	6.76667	6.56307	6.37750	6.19017	6.01136
5.84017	5.68769	5.53051	5.38075		
3610059.62	6.08574	5.93910	5.80411	5.66261	5.52423
5.39797	5.26721	5.13962	5.02632		
3610018.01	5.36322	5.27242	5.18526	5.09076	5.00174
4.90635	4.81085	4.72212	4.62805		
3609976.40	4.62503	4.58185	4.54004	4.49501	4.44031
4.38843	4.32921	4.27339	4.21070		
3609934.79	3.92590	3.92112	3.90755	3.89506	3.87848
3.85230	3.82717	3.79422	3.76437		
3609893.18	3.30173	3.31858	3.33324	3.34233	3.34325
3.34408	3.33998	3.32904	3.32071		
3609851.57	2.75197	2.79026	2.82106	2.84660	2.86387
2.87975	2.89256	2.89761	2.90280		
3609809.96	2.27346	2.32637	2.37135	2.40875	2.44112
2.46567	2.48835	2.50806	2.52143		
3609768.35	1.84826	1.91376	1.97177	2.02190	2.06442
2.10118	2.13096	2.15862	2.18230		
3609726.74	1.46349	1.54036	1.61016	1.67291	1.72632
1.77368	1.81470	1.84812	1.87884		
3609685.13	1.12677	1.20600	1.27955	1.35072	1.41488
1.47269	1.52429	1.56805	1.60721		
3609643.52	0.84469	0.91653	0.98945	1.06141	1.12905
1.19270	1.25049	1.30452	1.35297		
3609601.91	0.62106	0.68325	0.74754	0.81202	0.87684
0.94053	1.00033	1.05878	1.11380		
3609560.30	0.45686	0.50475	0.55585	0.61001	0.66688
0.72441	0.78133	0.83888	0.89484		
3609518.69	0.34590	0.37867	0.41609	0.45777	0.50259
0.55031	0.60057	0.65182	0.70361		
3609477.08	0.27482	0.29573	0.32058	0.34868	0.38074
0.41706	0.45739	0.49991	0.54447		
3609435.47	0.23282	0.24410	0.25862	0.27603	0.29771
0.32370	0.35106	0.38290	0.41780		
3609393.86	0.20780	0.21346	0.22118	0.23136	0.24451
0.26017	0.27749	0.29966	0.32512		
3609352.25	0.19185	0.19479	0.19901	0.20422	0.21128
0.22065	0.23196	0.24576	0.26168		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	491509.81	491526.42	491543.03	491559.64	491576.25
491592.86	491609.47	491626.08	491642.69		

3610184.45	5.84114	5.66537	5.51645	5.35893	5.20977
5.06846	4.93279	4.80351	4.68210		
3610142.84	5.54614	5.38841	5.23874	5.09641	4.96031
4.84542	4.72233	4.60558	4.49363		
3610101.23	5.23676	5.10951	4.97748	4.85205	4.73196
4.61660	4.50546	4.40665	4.30595		
3610059.62	4.90769	4.79251	4.68969	4.58244	4.47883
4.37827	4.29003	4.19726	4.11094		
3610018.01	4.54547	4.45523	4.36658	4.28788	4.20268
4.11921	4.04507	3.96593	3.89159		
3609976.40	4.14658	4.08896	4.02554	3.96603	3.90056
3.83590	3.77737	3.71331	3.64905		
3609934.79	3.72645	3.69382	3.65269	3.61545	3.57151
3.53200	3.48645	3.43998	3.39884		
3609893.18	3.30312	3.28959	3.26789	3.24839	3.22224
3.20080	3.17124	3.14756	3.11596		
3609851.57	2.90109	2.90077	2.89699	2.88711	2.88072
2.86707	2.85817	2.84186	2.82763		
3609809.96	2.53420	2.54080	2.54872	2.55363	2.55356
2.55514	2.55130	2.54844	2.54057		
3609768.35	2.20012	2.21709	2.23224	2.24266	2.25382
2.26028	2.26805	2.27042	2.27582		
3609726.74	1.90515	1.92843	1.94671	1.96515	1.97846
1.99278	2.00635	2.01539	2.02546		
3609685.13	1.64096	1.66889	1.69493	1.71764	1.73598
1.75449	1.76872	1.78401	1.79535		
3609643.52	1.39425	1.43317	1.46677	1.49466	1.51975
1.54122	1.55922	1.57728	1.59145		
3609601.91	1.16345	1.21001	1.25121	1.28649	1.31920
1.34654	1.36991	1.39183	1.40888		
3609560.30	0.94821	0.99760	1.04504	1.08881	1.12660
1.16223	1.19110	1.21900	1.24268		

3609518.69	0.75493	0.80508	0.85237	0.90013	0.94225
0.98277	1.02005	1.05293	1.08369		
3609477.08	0.58949	0.63546	0.68309	0.72761	0.77248
0.81233	0.85319	0.89160	0.92552		
3609435.47	0.45677	0.49552	0.53484	0.57614	0.61720
0.66074	0.69775	0.73627	0.77549		
3609393.86	0.35445	0.38524	0.41766	0.45197	0.48918
0.52809	0.56540	0.60369	0.63982		
3609352.25	0.28084	0.30476	0.33187	0.35749	0.38529
0.41827	0.45193	0.48554	0.51751		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
491659.30	491675.91	491692.52	

3610184.45	4.56446	4.45128	4.34622
3610142.84	4.38510	4.28025	4.18045
3610101.23	4.20789	4.11272	4.02104
3610059.62	4.02597	3.94102	3.85472
3610018.01	3.81728	3.75378	3.67947
3609976.40	3.59514	3.53430	3.47361
3609934.79	3.35232	3.30479	3.26452
3609893.18	3.08404	3.05724	3.02354
3609851.57	2.80864	2.78816	2.77248
3609809.96	2.53626	2.52577	2.51372
3609768.35	2.27477	2.27544	2.27140
3609726.74	2.03154	2.03946	2.04214
3609685.13	1.80844	1.81805	1.82820
3609643.52	1.60678	1.61766	1.63142
3609601.91	1.42571	1.44164	1.45367
3609560.30	1.26212	1.28046	1.29446
3609518.69	1.10803	1.13004	1.15036

3609477.08	0.95780	0.98474	1.00999
3609435.47	0.81050	0.84573	0.87214
3609393.86	0.67647	0.70924	0.74277
3609352.25	0.55295	0.59058	0.62063

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	16.67843	491278.96
3610288.22	12.03623		
491317.19	3610288.22	10.74157	491355.42
3610288.22	9.65467		
491393.65	3610342.70	9.24002	491431.88
3610342.70	8.46911		
491470.11	3610342.70	7.78991	491508.34
3610342.70	7.22310		
491546.57	3610342.70	6.68554	491584.80
3610342.70	6.23982		
491623.03	3610342.70	5.81484	491508.34
3610397.18	7.28500		
491546.57	3610397.18	6.83692	491584.80
3610397.18	6.39546		
491623.03	3610397.18	5.99140	491508.34
3610451.66	7.00058		
491546.57	3610451.66	6.62108	491584.80
3610451.66	6.26356		
491623.03	3610451.66	5.92283	491508.34
3610506.14	6.38036		
491546.57	3610506.14	6.09965	491584.80
3610506.14	5.82644		
491623.03	3610506.14	5.58183	491508.34
3610560.62	5.62449		

491546.57	3610560.62	5.46364	491584.80
3610560.62	5.30582		
491623.03	3610560.62	5.14303	491087.81
3610615.10	5.21433		
491126.04	3610615.10	5.21157	491508.34
3610615.10	4.88461		
491546.57	3610615.10	4.80877	491584.80
3610615.10	4.70358		
491623.03	3610615.10	4.61755	491087.81
3610669.58	4.35707		
491126.04	3610669.58	4.36906	491508.34
3610669.58	4.29567		
491546.57	3610669.58	4.25236	491584.80
3610669.58	4.16174		
491623.03	3610669.58	4.10320	491546.57
3610724.06	3.77140		
491584.80	3610724.06	3.73123	491623.03
3610724.06	3.69743		
491546.57	3610778.54	3.33607	491584.80
3610778.54	3.33346		
491623.03	3610778.54	3.30825	490934.89
3610833.02	2.91987		
490973.12	3610833.02	2.87673	491011.35
3610833.02	2.87130		
491049.58	3610833.02	2.88665	491087.81
3610833.02	2.89299		
491126.04	3610833.02	2.90581	491164.27
3610833.02	2.93562		
491202.50	3610833.02	2.97334	491240.73
3610833.02	3.00171		
491278.96	3610833.02	3.04967	491317.19
3610833.02	3.05922		
491355.42	3610833.02	3.07110	491393.65
3610833.02	3.06275		
491431.88	3610833.02	3.05466	491470.11
3610833.02	3.02832		
491508.34	3610833.02	3.00929	491546.57
3610833.02	3.00334		
491584.80	3610833.02	2.97132	491623.03
3610833.02	2.97893		
490934.89	3610887.50	2.64413	490973.12
3610887.50	2.61023		
491011.35	3610887.50	2.60539	491049.58
3610887.50	2.61877		
491087.81	3610887.50	2.63210	491126.04
3610887.50	2.62101		
491164.27	3610887.50	2.63541	491202.50
3610887.50	2.65456		
491240.73	3610887.50	2.70121	491278.96
3610887.50	2.73146		

491317.19	3610887.50	2.75690	491355.42
3610887.50	2.77523		
491393.65	3610887.50	2.78409	491431.88
3610887.50	2.76917		
491470.11	3610887.50	2.76069	491508.34
3610887.50	2.75273		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491546.57	3610887.50	2.72639	491584.80
3610887.50	2.70249		
491623.03	3610887.50	2.68348	490858.43
3610941.98	2.44351		
490896.66	3610941.98	2.46322	490934.89
3610941.98	2.43017		
490973.12	3610941.98	2.40426	491011.35
3610941.98	2.37986		
491049.58	3610941.98	2.38237	491087.81
3610941.98	2.40167		
491126.04	3610941.98	2.40603	491164.27
3610941.98	2.40176		
491202.50	3610941.98	2.40985	491240.73
3610941.98	2.43096		
491278.96	3610941.98	2.45558	491317.19
3610941.98	2.49345		
491355.42	3610941.98	2.52147	491393.65
3610941.98	2.53412		
491431.88	3610941.98	2.53875	491470.11
3610941.98	2.52702		
491508.34	3610941.98	2.53242	491546.57
3610941.98	2.50766		

491584.80	3610941.98	2.47768	491623.03
3610941.98	2.46963		
490858.43	3610996.46	2.25093	490896.66
3610996.46	2.27247		
490934.89	3610996.46	2.24199	490973.12
3610996.46	2.21382		
491011.35	3610996.46	2.19620	491049.58
3610996.46	2.19182		
491087.81	3610996.46	2.19668	491126.04
3610996.46	2.21758		
491164.27	3610996.46	2.20576	491202.50
3610996.46	2.20479		
491240.73	3610996.46	2.22033	491278.96
3610996.46	2.24461		
491317.19	3610996.46	2.26706	491355.42
3610996.46	2.29729		
491393.65	3610996.46	2.32063	491431.88
3610996.46	2.33154		
491470.11	3610996.46	2.33369	491508.34
3610996.46	2.33429		
491546.57	3610996.46	2.32249	491584.80
3610996.46	2.30034		
491623.03	3610996.46	2.28378	490858.43
3611050.94	2.08081		
490896.66	3611050.94	2.09885	490934.89
3611050.94	2.08555		
490973.12	3611050.94	2.04801	491011.35
3611050.94	2.03593		
491049.58	3611050.94	2.02843	491087.81
3611050.94	2.03127		
491126.04	3611050.94	2.04676	491164.27
3611050.94	2.04566		
491202.50	3611050.94	2.03542	491240.73
3611050.94	2.03694		
491278.96	3611050.94	2.05036	491317.19
3611050.94	2.07753		
491355.42	3611050.94	2.09323	491393.65
3611050.94	2.12256		
491431.88	3611050.94	2.13505	491470.11
3611050.94	2.15969		
491508.34	3611050.94	2.15916	491546.57
3611050.94	2.15606		
491584.80	3611050.94	2.14420	491623.03
3611050.94	2.13794		
490858.43	3611105.42	1.93084	490896.66
3611105.42	1.94191		
490934.89	3611105.42	1.94416	490973.12
3611105.42	1.91119		
491011.35	3611105.42	1.88853	491049.58
3611105.42	1.87828		

491087.81	3611105.42	1.88789	491126.04
3611105.42	1.89331		
491164.27	3611105.42	1.89978	491202.50
3611105.42	1.88899		
491240.73	3611105.42	1.88883	491278.96
3611105.42	1.89023		
491317.19	3611105.42	1.90374	491355.42
3611105.42	1.92658		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	1.95315	491431.88
3611105.42	1.98112		
491470.11	3611105.42	1.98795	491508.34
3611105.42	2.01201		
491546.57	3611105.42	2.00723	491584.80
3611105.42	1.99732		
491623.03	3611105.42	1.99442	490858.43
3611159.90	1.80382		
490896.66	3611159.90	1.81381	490934.89
3611159.90	1.81203		
490973.12	3611159.90	1.78457	491011.35
3611159.90	1.75871		
491049.58	3611159.90	1.74995	491087.81
3611159.90	1.75341		
491126.04	3611159.90	1.76303	491164.27
3611159.90	1.77725		
491202.50	3611159.90	1.76408	491240.73
3611159.90	1.76935		
491278.96	3611159.90	1.76093	491317.19
3611159.90	1.76013		

491355.42	3611159.90	1.77864	491393.65
3611159.90	1.79822		
491431.88	3611159.90	1.82411	491470.11
3611159.90	1.85765		
491508.34	3611159.90	1.86674	491546.57
3611159.90	1.86850		
491584.80	3611159.90	1.87133	491623.03
3611159.90	1.87269		
490858.43	3611214.38	1.67710	490896.66
3611214.38	1.69934		
490934.89	3611214.38	1.69918	490973.12
3611214.38	1.68553		
491011.35	3611214.38	1.64258	491049.58
3611214.38	1.63618		
491087.81	3611214.38	1.63875	491126.04
3611214.38	1.65116		
491164.27	3611214.38	1.66479	491202.50
3611214.38	1.67249		
491240.73	3611214.38	1.65641	491278.96
3611214.38	1.65908		
491317.19	3611214.38	1.65094	491355.42
3611214.38	1.66578		
491393.65	3611214.38	1.67748	491431.88
3611214.38	1.69557		
491470.11	3611214.38	1.72205	491508.34
3611214.38	1.73484		
491546.57	3611214.38	1.75135	491584.80
3611214.38	1.75944		
491623.03	3611214.38	1.76851	490858.43
3611268.86	1.57724		
490896.66	3611268.86	1.59963	490934.89
3611268.86	1.59179		
490973.12	3611268.86	1.58595	491011.35
3611268.86	1.55552		
491049.58	3611268.86	1.53306	491087.81
3611268.86	1.53299		
491126.04	3611268.86	1.53966	491164.27
3611268.86	1.55562		
491202.50	3611268.86	1.56254	491240.73
3611268.86	1.56597		
491278.96	3611268.86	1.56744	491317.19
3611268.86	1.55547		
491355.42	3611268.86	1.56175	491393.65
3611268.86	1.56041		
491431.88	3611268.86	1.57589	491470.11
3611268.86	1.59382		
491508.34	3611268.86	1.62527	491546.57
3611268.86	1.63826		
491584.80	3611268.86	1.65882	491623.03
3611268.86	1.66960		

490858.43	3611323.34	1.47612	490896.66
3611323.34	1.49857		
490934.89	3611323.34	1.50029	490973.12
3611323.34	1.48739		
491011.35	3611323.34	1.46700	491049.58
3611323.34	1.45222		
491087.81	3611323.34	1.44648	491126.04
3611323.34	1.45063		
491164.27	3611323.34	1.46442	491202.50
3611323.34	1.47936		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	1.48074	491278.96
3611323.34	1.48141		
491317.19	3611323.34	1.47436	491355.42
3611323.34	1.47509		
491393.65	3611323.34	1.46920	491431.88
3611323.34	1.48063		
491470.11	3611323.34	1.49173	491508.34
3611323.34	1.51846		
491546.57	3611323.34	1.53929	491584.80
3611323.34	1.55987		
491623.03	3611323.34	1.58440	491583.40
3608705.27	0.14928		
491577.37	3608727.37	0.14995	491573.36
3608753.50	0.15160		
491562.30	3608782.64	0.14938	491565.32
3608775.60	0.15046		
491547.23	3608819.81	0.15151	491545.22
3608840.91	0.15223		

491533.16	3608877.09	0.14785	491524.12
3608898.19	0.14778		
491522.11	3608915.27	0.14916	491520.10
3608925.32	0.15015		
491511.06	3608945.41	0.15061	491507.04
3608961.49	0.15076		
491499.00	3608982.59	0.15179	491498.00
3608992.64	0.15272		
491490.96	3609007.71	0.15378	491484.93
3609030.82	0.15413		
491478.91	3609048.91	0.15454	491470.87
3609072.02	0.15691		
491461.82	3609094.12	0.15994	491450.77
3609114.22	0.16097		
491449.77	3609129.29	0.16265	491443.74
3609145.37	0.16460		
491439.72	3609164.46	0.16670	491434.69
3609178.52	0.16699		
491424.65	3609198.62	0.16840	491418.62
3609216.71	0.17141		
491414.60	3609231.78	0.17341	491409.57
3609244.84	0.17499		
491398.52	3609273.98	0.17856	491397.52
3609289.05	0.18135		
491388.47	3609312.16	0.18545	491383.45
3609329.24	0.18891		
491377.42	3609354.36	0.19570	491374.41
3609371.44	0.20182		
491361.34	3609405.61	0.21401	491355.32
3609423.69	0.22210		
491340.24	3609470.92	0.24980	491324.17
3609526.18	0.30247		
491329.19	3609504.08	0.27710	491314.12
3609546.28	0.32271		
491302.06	3609575.42	0.36234	491296.03
3609594.51	0.39713		
491286.99	3609618.62	0.44647	491279.96
3609632.69	0.47467		
491274.93	3609648.77	0.52023	491269.91
3609666.85	0.58228		
491264.88	3609679.92	0.62737	491259.86
3609700.01	0.71871		
491269.76	3609874.49	2.73000	491098.46
3610169.21	16.99591		
491115.74	3610172.91	16.26341	491105.25
3610150.69	15.00356		
491109.57	3610134.65	13.47409	491108.33
3610125.39	12.73241		
491113.27	3610114.29	11.71909	491118.82
3610099.48	10.51026		

491122.52	3610087.75	9.63972	491127.46
3610070.47	8.48969		
491131.78	3610051.96	7.40508	491136.72
3610040.85	6.82238		
491138.57	3610034.07	6.48225	491139.80
3610021.73	5.89712		
491157.08	3610005.06	5.29317	491166.95
3609998.89	5.10806		
491178.68	3609984.70	4.68406	491174.98
3609963.10	3.99312		
491184.23	3609965.57	4.13635	491176.21
3609942.12	3.42783		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	3.56431	491179.91
3609920.53	2.93845		
491191.64	3609922.99	3.10521	491189.17
3609903.25	2.65446		
491198.42	3609906.95	2.81680	491194.72
3609882.27	2.30018		
491205.83	3609887.20	2.49403	491200.89
3609866.84	2.08743		
491205.83	3609849.56	1.85560	491212.62
3609864.99	2.16165		
491303.94	3609929.78	3.79794	491267.54
3609903.25	3.20707		
491277.41	3609879.18	2.84512	491324.31
3609896.46	3.28282		
491135.48	3610120.46	11.65615	491124.99
3610139.59	13.31239		

491130.55	3610141.44	13.24926	491142.89
3610145.14	13.03364		
491165.10	3610151.31	12.54789	491172.51
3610156.25	12.51267		
491183.00	3610155.01	12.05350	491190.40
3610158.72	11.94080		
491197.81	3610138.97	10.85937	491162.02
3610130.33	11.51301		
491150.91	3610113.67	10.84625	491164.49
3610115.52	10.64022		
491178.06	3610123.54	10.71852	491189.17
3610125.39	10.50481		
491197.81	3610126.63	10.33868	491158.93
3610084.05	9.02774		
491175.59	3610088.37	9.02605	491188.55
3610090.84	8.94706		
491202.13	3610096.39	8.96616	491252.11
3610069.86	7.33085		
491240.39	3610095.77	8.28400	491232.36
3610128.48	9.52272		
491220.02	3610152.55	10.68021	491213.85
3610179.70	11.83967		
491204.60	3610206.85	13.21452	491297.77
3610095.16	7.45442		
491316.29	3610102.56	7.35725	491271.24
3610169.21	9.64936		
491296.54	3610170.44	9.05688	491224.34
3609806.98	1.43475		
491232.36	3609786.00	1.25857	491240.39
3609769.96	1.15265		
491245.94	3609753.92	1.04053	491250.26
3609731.08	0.87943		
491255.20	3609716.89	0.80470	491354.41
3609557.94	0.43355		
491349.69	3609575.67	0.47814	491331.95
3609630.05	0.64794		
491310.67	3609696.25	0.95458	491301.22
3609737.63	1.23870		
491289.40	3609771.91	1.50314	491276.39
3609801.46	1.75169		
491310.67	3609805.01	2.00109	492077.18
3610785.74	2.82186		

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
491029.88	490903.38	490928.68	490953.98
491055.18	491080.48	491105.78	490979.28
			491004.58

3610794.59	156.72985	155.56006	149.80379	144.76495	141.83708
136.25927	130.63817	129.13931	123.10470		
3610785.63	157.58894	157.89947	151.98075	148.50293	143.89246
139.68939	132.43077	130.84649	124.71455		
3610776.67	162.93235	165.65011	159.32714	153.88584	148.96224
141.65939	136.25353	132.60923	126.36728		
3610767.71	175.97880	175.62990	168.75964	160.40676	152.55237
143.67621	138.13175	134.40823	129.15392		
3610758.75	188.24475	183.30050	176.01127	166.58450	157.52909
148.70887	140.05440	136.22533	130.91455		
3610749.79	196.64222	188.84233	181.17640	172.33474	162.27617
150.87624	143.54743	138.11285	132.71081		
3610740.83	200.16148	193.18080	184.21941	175.08749	162.32097
153.09269	145.59528	140.02409	134.57206		
3610731.87	203.72407	198.61611	187.35204	177.93578	164.81271
156.75695	147.66835	142.03228	136.51731		
3610722.91	207.46212	202.12126	190.56239	180.79902	167.40612
159.04671	149.83217	144.11539	140.35318		
3610713.95	212.59577	208.41539	194.97013	183.83952	172.58855
164.31054	152.06283	147.73200	142.47878		
3610704.99	217.88677	212.18642	198.40456	186.93504	176.61071
166.83845	154.36081	150.00861	144.56633		
3610696.03	224.50915	219.85928	204.01376	191.52951	181.25892
171.93877	159.88136	152.33214	148.28920		
3610687.07	228.88840	223.99960	210.26295	195.95706	185.91055
175.96163	162.43692	154.73116	150.63435		
3610678.11	236.56306	228.23722	217.65625	199.35737	190.44123

178.86572	166.50393	160.21085	152.98485		
3610669.15	| 241.44852	232.64534	223.58558	204.04082	194.83806
183.63699	172.11659	164.20813	158.30251		
3610660.19	| 246.48685	239.35421	229.07851	207.70174	199.35013
186.80516	177.46110	169.61285	160.92484		
3610651.23	| 256.04600	244.16314	233.40055	216.22646	202.90418
191.73763	181.75591	172.45824	164.92425		
3610642.27	| 261.55141	246.83464	239.87067	223.69451	208.62822
196.50680	188.19361	177.73725	167.66464		
3610633.31	| 269.78884	251.92485	246.19697	229.90164	214.87818
200.04141	192.79363	181.99984	170.51361		
3610624.35	| 281.78386	259.54976	252.93328	235.56326	222.06217
204.82870	197.34915	186.81926	176.01945		
3610615.39	298.92555	270.74276	261.97270	240.14362	226.21587
208.65110	200.86170	191.56708	181.16506		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)
(METERS)	|	491131.08	491156.38	491181.68	491206.98 491232.28
491257.58	|	491282.88	491308.18	491333.48	

3610794.59	|	119.48644	114.38552	110.08656	107.36973	103.58295
100.07265	|	97.42061	95.53334	93.73598		
3610785.63	|	121.04832	116.68605	111.48456	108.73597	104.95704
102.03856	|	99.34180	96.80195	94.97216		

3610776.67	|	122.61544	118.15400	112.95133	110.83065	106.98828
104.02814		100.67524	98.11345	96.26791		
3610767.71	|	124.24002	119.75293	115.14810	112.33240	108.44999
105.47149		102.67442	100.05637	97.57734		
3610758.75	|	125.90652	121.40098	116.73049	114.54330	109.97143
107.60094		104.09699	102.05458	98.89988		
3610749.79	|	127.66376	123.93465	119.01511	116.15607	111.51310
109.08796		105.55622	103.43840	100.30012		
3610740.83	|	129.42874	125.70922	120.73647	117.82116	113.80447
111.28896		107.69209	104.89344	102.25192		
3610731.87	|	132.14160	128.40901	123.23493	119.55815	116.10944
112.87412		109.22035	106.36607	104.31783		
3610722.91	|	134.08109	130.27868	125.89629	121.33674	117.79946
115.17961		110.78959	107.87978	106.34786		
3610713.95	|	136.06360	133.07450	127.80609	123.84061	120.23580
116.88852		113.03089	109.44228	107.89535		
3610704.99	|	139.25939	135.06340	130.61419	126.40246	122.68783
118.58523		115.35562	111.02610	109.38714		
3610696.03	|	141.43218	137.18228	133.48478	128.32452	125.24574
120.34499		117.68791	112.62473	110.98366		
3610687.07	|	143.65978	140.40014	136.29918	131.12682	127.85244
122.12444		120.09037	114.29887	112.56059		
3610678.11	|	147.80425	142.57779	138.42401	133.96782	129.07257
123.97273		120.52720	116.58873	114.81495		
3610669.15	|	150.17448	146.51059	141.62441	136.91683	130.36593
125.15786		121.66342	119.00035	117.07315		
3610660.19	|	154.01046	148.87620	143.87646	139.80485	130.92744
127.07436		122.73893	120.69049	119.40594		
3610651.23	|	156.52968	151.29383	146.16773	141.99159	133.67926
129.74565		125.33163	123.15807	122.35062		
3610642.27	|	159.12302	152.07191	147.53995	143.48712	135.77613
132.42480		127.87606	126.30269	124.72958		
3610633.31	|	164.44574	153.49938	149.05904	145.69649	138.61879
135.16746		130.48191	128.81526	127.73213		
3610624.35	|	167.19205	155.17699	151.48849	148.03549	141.54938
137.94555		133.83313	131.33305	130.13094		
3610615.39		171.25403	158.70944	153.96819	149.47677	144.51890
140.75942		136.53986	133.24759	131.96835		

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*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,

```

, L0001263 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
, L0001271 , L0001264 , L0001265 ,
, L0001271 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
, L0001279 , L0001272 , L0001273 ,
, L0001279 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
, L0001279 , L0001280 , . . . ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491358.78	491384.08	491409.38
3610794.59	88.15541	85.57680	84.74012
3610785.63	89.33641	87.84551	86.92307
3610776.67	91.66415	90.12091	89.16136
3610767.71	94.09860	91.90447	91.39520
3610758.75	97.11255	94.26405	93.19555
3610749.79	99.58918	96.12759	95.45971
3610740.83	100.93446	97.98231	97.86558
3610731.87	102.32738	99.30351	100.17081
3610722.91	103.75066	101.25656	102.63151
3610713.95	105.79765	103.23072	104.51163
3610704.99	107.84830	105.22389	105.96019
3610696.03	110.55698	106.70135	107.34781
3610687.07	112.66523	109.31152	109.33050
3610678.11	114.86641	113.09049	111.85884
3610669.15	117.03225	116.73681	114.87340
3610660.19	118.67989	120.42159	117.34136
3610651.23	121.48702	122.60676	119.39958
3610642.27	124.28873	124.20743	121.94123
3610633.31	126.54862	126.43257	124.07951
3610624.35	129.42064	128.55768	126.16529
3610615.39	132.36799	130.88549	128.35370

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): L0001253 , L0001254

```

, L0001255      , L0001256      , L0001257      ,
                  L0001258      , L0001259      , L0001260      , L0001261      , L0001262
, L0001263      , L0001264      , L0001265      ,
                  L0001266      , L0001267      , L0001268      , L0001269      , L0001270
, L0001271      , L0001272      , L0001273      ,
                  L0001274      , L0001275      , L0001276      , L0001277      , L0001278
, L0001279      , L0001280      , . . .

```

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
	490964.36	490985.16	491005.96	491026.76 491047.56
491068.36	491089.16	491109.96	491130.76	

3610597.95	262.59254	245.24732	234.09626	218.56126	209.32257
204.02234	197.05791	188.93342	182.46445		
3610584.74	266.94948	253.87092	244.01269	226.76551	216.16856
210.45558	202.13064	193.63792	186.92784		
3610571.53	272.87079	263.27342	252.76282	238.36717	223.19541
216.03736	207.30929	198.49599	192.98429		
3610558.32	283.23851	272.56118	259.89874	246.80290	231.31865
223.59093	213.70296	206.23566	197.65680		
3610545.11	293.49964	282.24822	267.24041	253.62938	242.50524
229.48653	221.95198	213.38379	205.12898		
3610531.90	306.14458	292.19475	276.47067	261.96453	250.77796
237.66718	229.53488	220.31925	211.03508		
3610518.69	321.29812	300.86227	285.99721	272.55137	260.42483
243.86491	235.31993	227.39278	216.04483		
3610505.48	334.24142	311.93057	295.79403	284.95565	268.69893
252.60568	243.41997	234.90488	222.01409		
3610492.27	342.22804	319.46280	304.29258	292.70603	274.37071
259.06660	249.39363	240.38993	228.60312		
3610479.06	349.67618	327.42386	315.05505	300.51647	281.42756
265.56000	255.35701	245.89714	235.30723		
3610465.85	364.34091	343.41359	327.91107	308.49667	290.00686
274.94579	262.84878	252.81870	243.59527		
3610452.64	379.59469	359.02925	340.56432	318.17845	301.88157
284.37929	269.87955	259.37156	250.91233		
3610439.43	393.28417	371.95154	351.35281	326.34468	311.84410
293.69410	277.30966	264.75645	257.08252		
3610426.22	406.07157	380.80539	358.04082	335.67963	319.94368
301.71615	283.14215	270.21378	263.23972		
3610413.01	417.87539	389.02042	363.79243	343.48752	327.14446
309.69475	290.29727	277.00529	268.31321		

3610399.80	432.84381	401.07213	371.22074	351.74832	334.06183
316.14839	297.52176	283.51945	273.27965		
3610386.59	446.14940	414.65156	377.22451	359.66088	341.17441
322.51625	304.58537	290.12143	278.16806		
3610373.38	457.98275	426.42451	389.66100	367.84336	348.20955
328.73137	311.83606	296.62535	284.17920		
3610360.17	469.22702	436.00437	402.65663	376.90474	354.81237
335.89743	318.86282	303.11040	290.28018		
3610346.96	479.99323	447.70721	412.88729	384.32265	360.00559
342.51405	325.23635	309.42064	297.17394		
3610333.75	488.73499	458.54352	419.89038	389.13755	366.00122
347.93082	330.24403	314.19229	301.72614		

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 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)			
491255.56	491151.56	491172.36	491193.16	491213.96 491234.76
491276.36	491297.16	491317.96		

3610597.95	168.99495	161.24693	155.22773	152.22838	149.43119
146.69793	142.64685	139.53424	137.17951		
3610584.74	176.88284	167.86714	160.84401	157.62580	155.28451
150.74828	147.21113	143.10434	140.02228		
3610571.53	185.34130	175.58192	166.61370	163.08351	162.09245
155.60648	151.86613	146.82281	142.88998		
3610558.32	190.86796	183.07080	173.28742	168.16173	168.40245

159.82380	155.80120	150.58456	145.78029		
3610545.11	| 198.06486	189.06132	180.53774	175.12276	173.72741
165.49813	160.98511	154.41658	150.04220		
3610531.90	| 203.82507	195.66308	186.60488	180.00694	178.73079
171.52163	165.22926	158.95678	154.40434		
3610518.69	| 209.44391	201.31134	193.27852	187.20955	182.34917
178.68804	172.40447	164.89196	158.78375		
3610505.48	| 215.05567	206.76782	199.77841	193.07354	186.89191
185.55940	177.68059	171.65966	164.45280		
3610492.27	| 221.18898	212.08716	204.86977	198.07429	191.59498
189.68970	181.89409	175.99591	169.56670		
3610479.06	| 225.89977	216.50773	209.84634	202.89445	196.30684
193.20055	186.11137	180.69878	174.99105		
3610465.85	| 232.06677	223.02756	214.79431	208.35160	200.84282
196.71889	190.24382	184.76106	178.77162		
3610452.64	| 238.57343	228.80833	220.10647	213.36183	205.98989
199.56683	193.57964	188.69907	182.66839		
3610439.43	| 244.46409	234.90494	225.51089	217.21195	210.71040
203.02786	197.57224	192.56035	186.65664		
3610426.22	| 250.14764	240.42474	231.26210	222.25861	215.50025
206.49813	202.52806	196.49377	190.60834		
3610413.01	| 255.99323	245.65481	235.28513	226.07598	219.16997
210.76674	207.09051	200.78104	194.59519		
3610399.80	| 262.72113	251.05120	240.41313	232.56110	225.41458
215.35534	211.98343	205.30454	198.13489		
3610386.59	| 269.66293	256.29065	246.45184	238.30322	229.98652
221.67613	215.73814	209.04646	202.01241		
3610373.38	| 275.43399	262.74531	251.49590	243.18664	233.95381
226.48128	220.57447	214.44056	207.63780		
3610360.17	| 280.83579	269.45787	257.65347	247.24610	237.98271
231.35735	224.89020	219.78111	215.31382		
3610346.96	| 285.89655	274.58593	264.16710	252.45391	242.33253
236.82469	229.82906	225.67808	221.59914		
3610333.75	290.27197	279.97685	269.86431	259.14207	249.04838
241.26002	233.20401	230.62760	227.59315		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270

, L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)		
	491338.76	491359.56	491380.36

3610597.95	136.17882	137.80625	137.30509
3610584.74	138.92733	140.49669	139.88517
3610571.53	141.67199	143.20611	142.50165
3610558.32	145.13178	145.10883	144.02533
3610545.11	147.95047	146.61380	145.95355
3610531.90	152.18383	150.57349	148.60914
3610518.69	156.39136	165.43448	156.88223
3610505.48	160.94178	174.26166	162.82381
3610492.27	163.97089	175.04846	162.99774
3610479.06	166.88160	170.48052	162.13436
3610465.85	171.92163	170.43269	162.54319
3610452.64	176.16182	173.42289	164.59825
3610439.43	180.97398	175.57480	166.96305
3610426.22	184.98756	178.80008	168.18624
3610413.01	189.10025	181.11173	168.84799
3610399.80	192.74747	184.19592	175.46930
3610386.59	196.72679	187.07725	181.94473
3610373.38	201.25529	191.81764	187.88815
3610360.17	207.66964	197.54083	194.28089
3610346.96	214.02183	204.71999	202.61706
3610333.75	220.52365	215.89161	215.71733

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,

, L0001271 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	|	491360.32	491376.93	491393.54	491410.15	491426.76
491443.37	|	491459.98	491476.59	491493.20		

3610184.45	|	196.78930	188.64616	181.49259	177.51271	171.74640
164.85299	|	155.76529	149.30913	144.29378		
3610142.84	|	188.67881	180.73663	174.09793	168.06415	164.08432
159.58198	|	152.82578	145.07420	137.57931		
3610101.23	|	178.66807	172.47181	165.17346	158.31893	153.87252
151.52532	|	146.32109	138.80738	132.20325		
3610059.62	|	164.75793	161.26045	157.08688	152.25557	147.74591
142.12367	|	140.43630	136.03333	130.18412		
3610018.01	|	154.69265	151.69065	148.29398	144.36081	140.23036
136.09406	|	130.62260	126.73846	123.94271		
3609976.40	|	145.46830	142.88843	140.37397	137.39828	132.96595
127.93406	|	122.20871	119.66347	117.30375		
3609934.79	|	136.06071	133.88371	130.96690	128.87776	125.48637
121.28645	|	117.49102	114.09991	111.84819		
3609893.18	|	132.33411	130.28105	127.25532	124.00722	120.35713
117.29489	|	112.75953	109.18804	106.21298		
3609851.57	|	128.46518	123.74580	119.54471	117.83453	115.67200
112.77836	|	108.98269	106.35891	104.33938		
3609809.96	|	124.80984	119.38428	114.40608	113.65010	111.22960
109.24673	|	106.74923	104.66311	102.10229		
3609768.35	|	122.40170	117.91917	114.79552	111.85988	110.24949
107.96963	|	103.61482	101.37708	100.01424		
3609726.74	|	118.81410	116.72355	113.56531	110.24184	107.33585
105.09560	|	103.13659	101.03069	97.70398		
3609685.13	|	115.72274	113.71220	111.50719	107.32582	105.04660
102.83334	|	101.36047	99.38754	97.36359		
3609643.52	|	112.21741	110.93852	109.23323	106.70673	104.87322
103.31056	|	100.55126	98.27587	96.24826		
3609601.91	|	110.16761	108.46709	106.58854	104.74672	103.14716
101.38834	|	99.46940	97.36647	94.39042		
3609560.30	|	108.43916	106.34725	104.68316	103.04453	101.05112
99.09167	|	97.16619	94.49517	91.65232		
3609518.69	|	107.15146	105.03774	102.93098	100.85037	99.02102

97.23682	95.05447	91.97988	88.80202			
3609477.08	106.99744	104.50236	102.15240	100.21016	98.30850	
96.25163	93.80122	90.69578	87.97682			
3609435.47	106.78991	104.63866	102.37870	100.32597	97.96929	
95.43141	93.74054	91.70744	89.00332			
3609393.86	107.25824	105.03240	102.75169	100.40720	97.96896	
95.74282	94.09063	91.82713	89.60428			
3609352.25	108.87782	106.09697	103.34706	100.93261	98.51163	
96.03824	93.77835	91.58430	89.62774			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
491592.86	491609.47	491626.08	491642.69	491559.64	491576.25

3610184.45	141.75159	138.71495	134.77535	129.92860	125.15700
120.56957	117.75238	115.03064	110.88045		
3610142.84	136.41994	133.64584	128.40811	123.83113	120.44052
117.17443	113.48325	109.37932	105.94332		
3610101.23	129.64823	126.69268	124.81381	120.03043	115.79098
112.21290	109.24797	106.39196	102.62233		
3610059.62	124.16032	120.43843	118.85140	115.32054	111.87944
109.03003	106.27455	103.08741	98.01565		
3610018.01	120.26573	116.28518	112.42842	110.14828	107.43434
104.82788	102.75011	100.25340	95.90950		

3609976.40	|	114.94565	111.18267	107.13188	105.57026	104.02175
101.57985		99.21862	97.36539	95.97219		
3609934.79	|	109.24639	106.66660	104.26823	102.38425	100.55338
98.74660		96.97751	95.23564	93.54632		
3609893.18	|	104.79867	102.95893	100.59504	98.80581	97.09928
95.03829		93.81606	92.21120	91.01188		
3609851.57	|	101.78912	100.48048	97.75744	96.51957	94.78771
93.19842		90.74398	88.87199	87.41913		
3609809.96	|	99.86934	98.56418	97.28541	96.02965	93.35975
90.63658		87.98309	85.69970	83.98456		
3609768.35	|	98.18167	96.88034	96.05882	93.81652	90.86850
87.36449		85.09325	83.28631	80.43661		
3609726.74	|	96.38350	94.42191	92.45310	90.80557	89.11988
86.31877		82.98290	80.37210	78.32321		
3609685.13	|	96.01328	93.68845	90.02191	88.15095	85.54258
82.46776		79.54197	77.52417	75.50312		
3609643.52	|	94.27421	91.48109	87.30537	84.52505	82.51365
80.76712		77.58424	75.07520	73.08021		
3609601.91	|	90.70784	87.49654	84.97694	82.74726	80.67157
79.25289		76.32095	73.42061	71.77637		
3609560.30	|	89.21055	86.41319	83.59932	81.20780	79.24971
76.67271		74.91097	72.71600	70.75234		
3609518.69	|	86.91404	85.26206	82.60218	79.54986	77.60394
76.09306		74.08613	71.15347	68.80407		
3609477.08	|	86.12607	83.87695	80.55521	78.49759	76.66441
75.59246		73.65375	71.69270	69.62254		
3609435.47	|	85.04345	83.12437	81.80425	79.67246	77.01561
74.36228		73.65966	72.61313	70.07343		
3609393.86	|	85.97155	83.29078	81.42962	79.57439	76.65034
73.72638		71.82519	69.98999	67.71244		
3609352.25		87.57486	83.83354	79.88188	78.47398	77.12430
73.48419		71.35556	69.40232	68.34713		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0001253 , L0001254
, L0001255 , L0001256 , L0001257 ,
, L0001258 , L0001259 , L0001260 , L0001261 , L0001262
, L0001263 , L0001264 , L0001265 ,
, L0001266 , L0001267 , L0001268 , L0001269 , L0001270
, L0001271 , L0001272 , L0001273 ,
, L0001274 , L0001275 , L0001276 , L0001277 , L0001278
, L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491659.30	491675.91	491692.52	X-COORD (METERS)
------------------	-----------	-----------	-----------	------------------

3610184.45	108.38403	106.44580	102.68280
3610142.84	103.63223	101.87191	99.68399
3610101.23	99.92636	97.83681	95.80773
3610059.62	94.55074	92.61758	92.63800
3610018.01	93.08993	90.82938	90.43786
3609976.40	94.60438	92.42282	90.69547
3609934.79	91.46436	89.82758	87.43785
3609893.18	89.09407	87.19673	85.70219
3609851.57	85.62023	83.85271	82.11821
3609809.96	82.31152	80.67083	79.04617
3609768.35	78.85490	77.66338	76.13908
3609726.74	76.39724	74.56010	73.10072
3609685.13	73.26279	71.09881	70.02310
3609643.52	71.20641	69.75489	68.00715
3609601.91	70.18998	68.37483	66.96445
3609560.30	69.16011	67.62084	66.48344
3609518.69	67.63135	67.11918	64.96081
3609477.08	67.51000	66.10809	64.89837
3609435.47	67.46713	64.50791	64.56724
3609393.86	65.65311	64.32450	62.58876
3609352.25	65.41556	62.17983	61.32001

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*** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278

, L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491164.27	3610233.74	346.72009	491278.96
3610288.22	277.60624		
491317.19	3610288.22	265.15323	491355.42
3610288.22	252.92258		
491393.65	3610342.70	206.17295	491431.88
3610342.70	211.24653		
491470.11	3610342.70	206.72288	491508.34
3610342.70	210.44742		
491546.57	3610342.70	210.61732	491584.80
3610342.70	180.77146		
491623.03	3610342.70	162.15814	491508.34
3610397.18	162.78577		
491546.57	3610397.18	164.67166	491584.80
3610397.18	172.33879		
491623.03	3610397.18	192.55114	491508.34
3610451.66	140.74263		
491546.57	3610451.66	137.67001	491584.80
3610451.66	137.00832		
491623.03	3610451.66	136.00142	491508.34
3610506.14	131.64017		
491546.57	3610506.14	126.50915	491584.80
3610506.14	123.64597		
491623.03	3610506.14	120.21065	491508.34
3610560.62	121.62243		
491546.57	3610560.62	117.12225	491584.80
3610560.62	113.67736		
491623.03	3610560.62	110.51082	491087.81
3610615.10	188.24047		
491126.04	3610615.10	175.52158	491508.34
3610615.10	110.77855		
491546.57	3610615.10	108.56107	491584.80
3610615.10	104.43218		
491623.03	3610615.10	100.20425	491087.81
3610669.58	162.08529		
491126.04	3610669.58	151.65122	491508.34
3610669.58	101.94670		
491546.57	3610669.58	100.90661	491584.80
3610669.58	97.70626		

491623.03	3610669.58	95.42098	491546.57
3610724.06	91.19192		
491584.80	3610724.06	86.96533	491623.03
3610724.06	84.50558		
491546.57	3610778.54	85.05686	491584.80
3610778.54	83.10922		
491623.03	3610778.54	77.13382	490934.89
3610833.02	139.78445		
490973.12	3610833.02	134.40210	491011.35
3610833.02	127.34759		
491049.58	3610833.02	120.31979	491087.81
3610833.02	117.43447		
491126.04	3610833.02	112.45170	491164.27
3610833.02	106.69110		
491202.50	3610833.02	101.16531	491240.73
3610833.02	96.23815		
491278.96	3610833.02	92.11156	491317.19
3610833.02	89.30736		
491355.42	3610833.02	85.12483	491393.65
3610833.02	81.40317		
491431.88	3610833.02	79.50435	491470.11
3610833.02	78.78304		
491508.34	3610833.02	75.52332	491546.57
3610833.02	74.67359		
491584.80	3610833.02	75.58956	491623.03
3610833.02	72.05982		
490934.89	3610887.50	124.20331	490973.12
3610887.50	118.58545		
491011.35	3610887.50	113.96421	491049.58
3610887.50	108.05327		
491087.81	3610887.50	103.47305	491126.04
3610887.50	103.56976		
491164.27	3610887.50	98.81085	491202.50
3610887.50	93.03687		
491240.73	3610887.50	87.66496	491278.96
3610887.50	84.15285		
491317.19	3610887.50	81.47299	491355.42
3610887.50	77.45270		
491393.65	3610887.50	73.56676	491431.88
3610887.50	73.45134		
491470.11	3610887.50	70.81362	491508.34
3610887.50	68.93595		

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
491546.57	3610887.50	67.00420	491584.80
3610887.50	65.93782		
491623.03	3610887.50	64.83324	490858.43
3610941.98	126.47383		
490896.66	3610941.98	116.50235	490934.89
3610941.98	108.09373		
490973.12	3610941.98	102.90994	491011.35
3610941.98	99.22710		
491049.58	3610941.98	100.10448	491087.81
3610941.98	97.94435		
491126.04	3610941.98	95.48564	491164.27
3610941.98	90.87783		
491202.50	3610941.98	86.01681	491240.73
3610941.98	77.97459		
491278.96	3610941.98	77.06284	491317.19
3610941.98	74.62610		
491355.42	3610941.98	72.59207	491393.65
3610941.98	69.61615		
491431.88	3610941.98	67.20800	491470.11
3610941.98	64.20316		
491508.34	3610941.98	62.42191	491546.57
3610941.98	61.45898		
491584.80	3610941.98	60.21036	491623.03
3610941.98	59.26044		
490858.43	3610996.46	113.38076	490896.66
3610996.46	104.49168		
490934.89	3610996.46	97.17339	490973.12
3610996.46	88.94946		
491011.35	3610996.46	92.56161	491049.58

3610996.46	91.42731			
	491087.81	3610996.46	90.98596	491126.04
3610996.46	87.63412			
	491164.27	3610996.46	82.92586	491202.50
3610996.46	77.72022			
	491240.73	3610996.46	73.45955	491278.96
3610996.46	71.49268			
	491317.19	3610996.46	69.44200	491355.42
3610996.46	67.35459			
	491393.65	3610996.46	64.35011	491431.88
3610996.46	61.41629			
	491470.11	3610996.46	59.48883	491508.34
3610996.46	57.13727			
	491546.57	3610996.46	56.90998	491584.80
3610996.46	54.96163			
	491623.03	3610996.46	55.21019	490858.43
3611050.94	98.39288			
	490896.66	3611050.94	87.37566	490934.89
3611050.94	83.93469			
	490973.12	3611050.94	83.34482	491011.35
3611050.94	79.79528			
	491049.58	3611050.94	83.33798	491087.81
3611050.94	83.57653			
	491126.04	3611050.94	80.90268	491164.27
3611050.94	76.32493			
	491202.50	3611050.94	73.10225	491240.73
3611050.94	70.24745			
	491278.96	3611050.94	66.02045	491317.19
3611050.94	63.14060			
	491355.42	3611050.94	60.88649	491393.65
3611050.94	59.25218			
	491431.88	3611050.94	57.14591	491470.11
3611050.94	53.91336			
	491508.34	3611050.94	52.63282	491546.57
3611050.94	51.43861			
	491584.80	3611050.94	51.25252	491623.03
3611050.94	50.20187			
	490858.43	3611105.42	88.75081	490896.66
3611105.42	81.42462			
	490934.89	3611105.42	77.96446	490973.12
3611105.42	74.04791			
	491011.35	3611105.42	73.93960	491049.58
3611105.42	79.85461			
	491087.81	3611105.42	77.38669	491126.04
3611105.42	74.20618			
	491164.27	3611105.42	72.22052	491202.50
3611105.42	69.08986			
	491240.73	3611105.42	66.47197	491278.96
3611105.42	62.62410			
	491317.19	3611105.42	59.18013	491355.42

3611105.42 56.92227

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0001253 , L0001254

, L0001255 , L0001256 , L0001257 ,
 , L0001263 , L0001264 , L0001265 ,
 , L0001271 , L0001272 , L0001273 ,
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491393.65	3611105.42	54.44927	491431.88
3611105.42	51.72895		
491470.11	3611105.42	50.75429	491508.34
3611105.42	47.58303		
491546.57	3611105.42	47.19350	491584.80
3611105.42	47.41166		
491623.03	3611105.42	45.24401	490858.43
3611159.90	81.50837		
490896.66	3611159.90	75.55590	490934.89
3611159.90	71.27500		
490973.12	3611159.90	70.26615	491011.35
3611159.90	71.23342		
491049.58	3611159.90	73.30159	491087.81
3611159.90	70.62912		
491126.04	3611159.90	68.97971	491164.27
3611159.90	67.29282		
491202.50	3611159.90	63.30653	491240.73
3611159.90	59.96278		
491278.96	3611159.90	57.76903	491317.19
3611159.90	55.37049		

491355.42	3611159.90	52.75343	491393.65
3611159.90	50.53038		
491431.88	3611159.90	48.16959	491470.11
3611159.90	45.71690		
491508.34	3611159.90	43.90692	491546.57
3611159.90	43.54903		
491584.80	3611159.90	43.04352	491623.03
3611159.90	41.00913		
490858.43	3611214.38	73.29507	490896.66
3611214.38	68.23573		
490934.89	3611214.38	66.28679	490973.12
3611214.38	64.83431		
491011.35	3611214.38	69.20844	491049.58
3611214.38	67.26704		
491087.81	3611214.38	66.07807	491126.04
3611214.38	65.21500		
491164.27	3611214.38	61.85500	491202.50
3611214.38	58.26309		
491240.73	3611214.38	55.40943	491278.96
3611214.38	52.04376		
491317.19	3611214.38	50.39138	491355.42
3611214.38	47.31975		
491393.65	3611214.38	46.68075	491431.88
3611214.38	45.24384		
491470.11	3611214.38	42.03407	491508.34
3611214.38	41.04790		
491546.57	3611214.38	39.99470	491584.80
3611214.38	38.26187		
491623.03	3611214.38	36.71887	490858.43
3611268.86	66.40762		
490896.66	3611268.86	62.48661	490934.89
3611268.86	59.23261		
490973.12	3611268.86	60.96745	491011.35
3611268.86	61.34271		
491049.58	3611268.86	61.64076	491087.81
3611268.86	61.12233		
491126.04	3611268.86	60.13401	491164.27
3611268.86	57.28815		
491202.50	3611268.86	54.39607	491240.73
3611268.86	50.76066		
491278.96	3611268.86	47.08642	491317.19
3611268.86	46.67834		
491355.42	3611268.86	44.81787	491393.65
3611268.86	43.69152		
491431.88	3611268.86	41.78103	491470.11
3611268.86	40.02682		
491508.34	3611268.86	38.33681	491546.57
3611268.86	36.95879		
491584.80	3611268.86	35.00873	491623.03
3611268.86	33.09508		

490858.43	3611323.34	63.15656	490896.66
3611323.34	58.96267		
490934.89	3611323.34	55.58705	490973.12
3611323.34	57.00731		
491011.35	3611323.34	56.79253	491049.58
3611323.34	55.55653		
491087.81	3611323.34	56.17241	491126.04
3611323.34	55.55284		
491164.27	3611323.34	53.38713	491202.50
3611323.34	50.59525		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491240.73	3611323.34	47.50870	491278.96
3611323.34	44.59052		
491317.19	3611323.34	43.64569	491355.42
3611323.34	41.90417		
491393.65	3611323.34	40.39908	491431.88
3611323.34	38.09273		
491470.11	3611323.34	36.83465	491508.34
3611323.34	35.37554		
491546.57	3611323.34	33.64704	491584.80
3611323.34	32.12748		
491623.03	3611323.34	30.18586	491583.40

3608705.27	61.92241		
491577.37	3608727.37	63.35624	491573.36
3608753.50	64.47023		
491562.30	3608782.64	67.75435	491565.32
3608775.60	66.79845		
491547.23	3608819.81	70.61506	491545.22
3608840.91	71.62421		
491533.16	3608877.09	77.17343	491524.12
3608898.19	79.89519		
491522.11	3608915.27	80.62988	491520.10
3608925.32	80.95396		
491511.06	3608945.41	83.74247	491507.04
3608961.49	85.46724		
491499.00	3608982.59	87.43642	491498.00
3608992.64	87.76709		
491490.96	3609007.71	89.30458	491484.93
3609030.82	91.16593		
491478.91	3609048.91	92.77808	491470.87
3609072.02	94.44698		
491461.82	3609094.12	96.11925	491450.77
3609114.22	98.69675		
491449.77	3609129.29	98.79781	491443.74
3609145.37	99.81135		
491439.72	3609164.46	100.33570	491434.69
3609178.52	101.43042		
491424.65	3609198.62	103.17928	491418.62
3609216.71	103.53277		
491414.60	3609231.78	103.69330	491409.57
3609244.84	104.13402		
491398.52	3609273.98	105.05562	491397.52
3609289.05	104.57719		
491388.47	3609312.16	105.24120	491383.45
3609329.24	105.64538		
491377.42	3609354.36	105.89978	491374.41
3609371.44	105.76960		
491361.34	3609405.61	106.90312	491355.32
3609423.69	107.46256		
491340.24	3609470.92	109.26414	491324.17
3609526.18	111.95221		
491329.19	3609504.08	110.66221	491314.12
3609546.28	113.60555		
491302.06	3609575.42	115.89101	491296.03
3609594.51	117.75302		
491286.99	3609618.62	120.28460	491279.96
3609632.69	122.07410		
491274.93	3609648.77	124.08319	491269.91
3609666.85	125.90757		
491264.88	3609679.92	127.44165	491259.86
3609700.01	129.69493		
491269.76	3609874.49	150.62709	491098.46

3610169.21	342.93972			
491115.74	3610172.91	333.55450		491105.25
3610150.69	321.58554			
491109.57	3610134.65	305.94648		491108.33
3610125.39	299.88074			
491113.27	3610114.29	288.51949		491118.82
3610099.48	275.26999			
491122.52	3610087.75	266.27196		491127.46
3610070.47	255.27760			
491131.78	3610051.96	245.74688		491136.72
3610040.85	238.66070			
491138.57	3610034.07	234.63540		491139.80
3610021.73	227.02617			
491157.08	3610005.06	214.64785		491166.95
3609998.89	208.62114			
491178.68	3609984.70	197.49157		491174.98
3609963.10	192.44817			
491184.23	3609965.57	189.39073		491176.21
3609942.12	185.26956			

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
491184.23	3609944.59	183.31632	491179.91
3609920.53	178.11960		

491191.64	3609922.99	175.59770	491189.17
3609903.25	175.88032		
491198.42	3609906.95	171.92629	491194.72
3609882.27	169.70208		
491205.83	3609887.20	163.37667	491200.89
3609866.84	162.26203		
491205.83	3609849.56	160.45015	491212.62
3609864.99	158.93565		
491303.94	3609929.78	153.38106	491267.54
3609903.25	155.05214		
491277.41	3609879.18	149.55214	491324.31
3609896.46	143.00058		
491135.48	3610120.46	279.91679	491124.99
3610139.59	299.25080		
491130.55	3610141.44	296.86205	491142.89
3610145.14	291.50374		
491165.10	3610151.31	281.83203	491172.51
3610156.25	280.49831		
491183.00	3610155.01	273.46574	491190.40
3610158.72	271.28748		
491197.81	3610138.97	256.16858	491162.02
3610130.33	270.82816		
491150.91	3610113.67	267.29741	491164.49
3610115.52	261.17368		
491178.06	3610123.54	258.47765	491189.17
3610125.39	253.71015		
491197.81	3610126.63	249.98121	491158.93
3610084.05	247.81406		
491175.59	3610088.37	242.21832	491188.55
3610090.84	237.55711		
491202.13	3610096.39	234.10628	491252.11
3610069.86	201.82827		
491240.39	3610095.77	217.07011	491232.36
3610128.48	232.35510		
491220.02	3610152.55	250.52156	491213.85
3610179.70	269.17893		
491204.60	3610206.85	296.21162	491297.77
3610095.16	195.87866		
491316.29	3610102.56	189.89996	491271.24
3610169.21	231.49784		
491296.54	3610170.44	217.44100	491224.34
3609806.98	149.22987		
491232.36	3609786.00	143.96743	491240.39
3609769.96	140.59831		
491245.94	3609753.92	137.98566	491250.26
3609731.08	134.66017		
491255.20	3609716.89	132.03719	491354.41
3609557.94	109.15817		
491349.69	3609575.67	110.71931	491331.95
3609630.05	115.26913		

491310.67	3609696.25	123.01914	491301.22
3609737.63	128.26927		
491289.40	3609771.91	133.26278	491276.39
3609801.46	139.07130		
491310.67	3609805.01	131.98169	492077.18
3610785.74	56.66686		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	490903.38	490928.68	490953.98
	|	490979.28	491004.58	

3610794.6	|	604.58316 (11021520)	567.94624 (12060901)	545.95670 (12063003)
522.08553	|	(12060622)	497.17887 (12060824)	
3610785.6	|	596.44721 (11021520)	565.12263 (12063003)	542.30092 (12063003)
525.62316	|	(12062424)	497.78552 (12060824)	
3610776.7	|	606.21807 (11021520)	573.11772 (12060901)	547.31335 (12063003)
536.54916	|	(12060622)	505.30277 (11041622)	
3610767.7	|	620.01748 (11021520)	537.38704 (12060622)	533.30667 (12060622)
506.92298	|	(12062424)	521.04510 (11041622)	
3610758.7	|	589.97489 (12120918)	554.07678 (12060622)	546.63097 (12060622)
524.23214	|	(11041622)	535.71047 (11041622)	
3610749.8	|	596.05774 (12120918)	564.44985 (12060622)	552.69991 (12060622)
548.17034	|	(11041622)	554.02042 (12090624)	
3610740.8	|	589.49427 (12120918)	570.22983 (12060622)	551.06348 (12060622)

559.29820 (11041622)	561.93143 (12090624)		
3610731.9 | 582.38117 (12120918)	575.13751 (12060622)	548.91413 (12060622)	
566.74130 (11041622)	589.46394 (11020821)		
3610722.9 | 574.70392 (12120918)	576.08270 (12060622)	562.69728 (11041622)	
579.44624 (12090624)	615.92004 (11020821)		
3610713.9 | 572.35403 (12060622)	579.72388 (12060622)	581.30918 (11041622)	
601.58357 (11020821)	645.56808 (11020821)		
3610705.0 | 579.90377 (12060622)	579.69679 (12060622)	591.35103 (11041622)	
634.50292 (11020821)	666.44796 (11020821)		
3610696.0 | 586.27359 (12060622)	585.77271 (12060622)	609.83731 (12090624)	
669.38910 (11020821)	683.97070 (12060822)		
3610687.1 | 588.45205 (12060622)	585.03316 (12060622)	648.02662 (11020821)	
697.43938 (11020821)	711.80004 (12060822)		
3610678.1 | 593.22305 (12060622)	589.44556 (11041622)	643.66177 (12090222)	
710.25037 (11020821)	734.54927 (12081902)		
3610669.1 | 594.28384 (12060622)	605.83135 (11041622)	672.12116 (12090222)	
737.60272 (12060822)	766.12552 (10061223)		
3610660.2 | 604.80984 (11041622)	639.23990 (12090222)	693.60496 (12090222)	
756.70722 (12060822)	789.15859 (10061223)		
3610651.2 | 602.44151 (12060622)	669.67041 (12090222)	724.96535 (12060822)	
795.70161 (10061223)	791.78349 (10061223)		
3610642.3 | 620.24483 (11041622)	691.53095 (12090222)	765.14914 (12081902)	
780.49644 (10061223)	826.64525 (12090323)		
3610633.3 | 658.80484 (12090222)	713.00042 (12060822)	800.20309 (12081902)	
793.58549 (10061223)	859.36632 (12100221)		
3610624.3 | 707.00237 (12090222)	757.06526 (12081902)	823.71148 (10061223)	
839.12219 (12090323)	846.75232 (12100221)		
3610615.4 768.29942 (12090222)	812.39654 (12081902)	842.01008 (10061223)	
865.49113 (12090323)	855.76496 (12100221)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
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 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491029.88	491131.08	491055.18	491080.48
	491105.78			

3610794.6 |	490.10991 (11041622)	512.18147 (12060823)	553.76133 (11020821)
595.01431 |	(11020821) 596.37696 (12060822)		
3610785.6 |	491.79667 (11041622)	526.37888 (12060823)	568.01872 (11020821)
599.45185 |	(11020821) 604.47096 (12060822)		
3610776.7 |	502.54411 (12090624)	548.30957 (11020821)	576.74620 (11020821)
606.15837 |	(12060822) 614.52950 (10061223)		
3610767.7 |	516.57790 (12090222)	567.74404 (11020821)	580.79934 (12060822)
609.21903 |	(12060822) 631.74182 (10061223)		
3610758.7 |	556.79614 (12090222)	581.51929 (11020821)	598.27176 (12060822)
619.00340 |	(10061223) 640.51304 (10061223)		
3610749.8 |	579.78414 (11020821)	582.98046 (11020821)	609.75915 (12060822)
637.14513 |	(10061223) 640.31062 (10061223)		
3610740.8 |	599.58446 (11020821)	597.43214 (12060822)	619.46323 (12081902)
647.43886 |	(10061223) 640.21912 (12090323)		
3610731.9 |	622.04524 (11020821)	613.74665 (12060822)	638.24866 (10061223)
649.49719 |	(10061223) 670.59939 (12090323)		
3610722.9 |	628.43961 (11020821)	625.60117 (12081902)	650.04249 (10061223)
649.53298 |	(12090323) 690.49544 (12100221)		
3610713.9 |	659.46905 (12060822)	642.23307 (10061223)	656.35489 (10061223)
671.31122 |	(12090323) 709.01902 (12100221)		
3610705.0 |	674.01907 (12060822)	659.28200 (10061223)	658.21780 (12090323)
686.60485 |	(12100221) 706.29593 (12100221)		
3610696.0 |	699.53762 (12081902)	683.88750 (10061223)	684.09772 (12090323)
707.20555 |	(12100221) 703.59467 (12100221)		
3610687.1 |	727.73337 (10061223)	690.66305 (12090323)	701.19117 (12090323)
718.19227 |	(12100221) 718.10854 (10081706)		
3610678.1 |	738.54902 (10061223)	728.38416 (12090323)	734.60995 (12100221)
719.28724 |	(12100221) 733.44997 (10081706)		
3610669.1 |	744.10592 (10061223)	757.12584 (12090323)	750.90788 (12100221)
747.09748 |	(10081706) 745.00417 (10081706)		
3610660.2 |	776.91531 (12090323)	784.95566 (12100221)	760.39966 (10081706)
763.92112 |	(10081706) 755.80711 (10081706)		
3610651.2 |	804.84482 (12090323)	799.58899 (12100221)	791.48243 (10081706)
780.03995 |	(10081706) 755.35854 (12062423)		
3610642.3 |	835.00446 (12100221)	815.89311 (10081706)	818.14553 (10081706)
772.70891 |	(12062423) 782.85326 (12062423)		
3610633.3 |	841.93535 (12100221)	855.01560 (10081706)	828.52188 (10081706)
803.22923 |	(12062423) 790.98239 (12062423)		
3610624.3 |	856.02330 (10081706)	877.86837 (10081706)	841.16309 (12062423)
833.36822 |	(12062423) 799.08826 (10082301)		

3610615.4 | 886.68905 (10081706) 875.96795 (10081706) 876.98349 (12062423)
 849.91718 (10082301) 808.82800 (10082301)
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491232.28	491156.38	491181.68	491206.98
	491257.58		

 3610794.6 | 590.23033 (10061223) 578.19759 (10061223) 571.00500 (12090323)
 566.37244 (12100221) 553.20935 (12100221)
 3610785.6 | 610.62220 (10061223) 574.40248 (10061223) 586.83501 (12090323)
 579.23458 (12100221) 565.41380 (12062723)
 3610776.7 | 616.23924 (10061223) 584.28911 (12090323) 605.41170 (12100221)
 592.39192 (12100221) 576.02238 (12062723)
 3610767.7 | 613.86456 (10061223) 609.06736 (12090323) 619.67835 (12100221)
 595.78225 (12062723) 581.02141 (10081706)
 3610758.7 | 618.86220 (12090323) 622.24318 (12100221) 633.30577 (12100221)
 599.08588 (12062723) 603.67582 (10081706)
 3610749.8 | 646.44848 (12090323) 645.63644 (12100221) 634.80172 (12062723)
 608.80231 (10081706) 610.00169 (10081706)
 3610740.8 | 663.72214 (12100221) 651.59120 (12100221) 637.59609 (12062723)
 630.85602 (10081706) 615.87191 (10081706)
 3610731.9 | 688.75414 (12100221) 660.96024 (12062723) 654.35659 (10081706)
 643.71110 (10081706) 615.50537 (12052301)
 3610722.9 | 695.04810 (12100221) 670.31796 (12062723) 667.33903 (10081706)

639.07054 (10081706)	632.35751 (12052301)		
3610713.9 | 702.98396 (12062723)	693.11855 (10081706)	678.16012 (10081706)	
651.45337 (12052301)	646.22464 (12062423)		
3610705.0 | 710.59640 (10081706)	713.00099 (10081706)	678.62673 (10081706)	
673.39387 (12062423)	651.64581 (12062423)		
3610696.0 | 733.07903 (10081706)	721.12754 (10081706)	688.17914 (12052301)	
694.28327 (12062423)	656.75483 (10082301)		
3610687.1 | 735.64031 (10081706)	721.34324 (12052301)	716.18777 (12062423)	
705.69800 (10082301)	658.36935 (12080802)		
3610678.1 | 736.20924 (10081706)	742.45381 (12062423)	732.86503 (12062423)	
703.55178 (10082301)	664.71269 (11040305)		
3610669.1 | 727.05055 (10081706)	754.74926 (12062423)	747.25623 (10082301)	
696.49714 (11040305)	656.94522 (10041603)		
3610660.2 | 752.99769 (12062423)	761.71694 (12062423)	757.32728 (10082301)	
682.40654 (11040305)	660.39287 (10041603)		
3610651.2 | 770.14162 (12062423)	769.53841 (10082301)	758.88739 (11040305)	
693.73159 (10041603)	662.86282 (10041603)		
3610642.3 | 776.09508 (10082301)	768.67254 (11040305)	750.99697 (10041603)	
691.27499 (10041603)	661.41271 (10111905)		
3610633.3 | 779.37429 (10082301)	761.48084 (11040305)	752.24674 (10041603)	
687.75046 (10041603)	687.91127 (10111905)		
3610624.3 | 774.35111 (11040305)	764.62834 (10041603)	742.96025 (10041603)	
710.03537 (10111905)	704.74173 (10111905)		
3610615.4 784.13635 (10041603)	758.83018 (10041603)	740.16264 (10111905)	
729.56164 (10111905)	717.71910 (10061623)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491282.88	491308.18	491333.48
491358.78	491384.08		

```

-----
-----
3610794.6 | 540.40367 (12062723) 537.08146 (10081706) 533.32264 (10081706)
474.53132 (12052301) 462.66888 (12052301)
3610785.6 | 546.83896 (10081706) 545.67055 (10081706) 530.19405 (10081706)
483.64107 (12052301) 475.02968 (12052301)
3610776.7 | 561.84681 (10081706) 547.35880 (10081706) 535.67970 (12052301)
499.95451 (12052301) 486.83590 (12062423)
3610767.7 | 577.27466 (10081706) 549.95405 (10081706) 543.94995 (12052301)
512.63917 (12062423) 497.79654 (12080802)
3610758.7 | 577.24729 (10081706) 567.04864 (12052301) 545.84998 (12052301)
538.29432 (12062423) 517.04014 (12080802)
3610749.8 | 573.78269 (12052301) 573.45014 (12052301) 551.96390 (12062423)
559.95638 (12080802) 531.33668 (11040305)
3610740.8 | 592.33297 (12052301) 580.41433 (12062423) 562.93519 (12080802)
562.12627 (11040305) 542.72975 (11040305)
3610731.9 | 598.57931 (12062423) 584.08064 (12062423) 576.29566 (12080802)
569.85703 (11040305) 544.67238 (12080205)
3610722.9 | 607.40881 (12062423) 589.78304 (12080802) 589.27729 (11040305)
570.58074 (11040305) 554.90616 (12080205)
3610713.9 | 618.50071 (12080802) 592.40833 (11040305) 593.22971 (11040305)
581.98559 (10041603) 558.81586 (12080205)
3610705.0 | 633.05140 (12080802) 599.97217 (11040305) 595.00687 (10041603)
588.71165 (10041603) 556.86667 (10041603)
3610696.0 | 644.78026 (11040305) 599.73724 (10041603) 597.11457 (10041603)
595.84731 (10041603) 560.04739 (10111905)
3610687.1 | 656.00690 (11040305) 604.81928 (10041603) 592.05922 (10041603)
597.92983 (10111905) 588.39188 (10111905)
3610678.1 | 642.64279 (10041603) 609.74393 (10041603) 587.82222 (10041603)
622.18358 (10111905) 624.54157 (10111905)
3610669.1 | 635.02054 (10041603) 607.39038 (10041603) 611.87246 (10111905)
638.69385 (10111905) 659.39586 (10061623)
3610660.2 | 619.56427 (10041603) 615.86049 (10111905) 630.17298 (10111905)
639.92363 (10061623) 697.29320 (10061623)
3610651.2 | 627.09687 (10111905) 636.34045 (10111905) 648.12848 (10111905)
663.07988 (10061623) 701.93115 (10061623)
3610642.3 | 650.12303 (10111905) 656.29527 (10111905) 661.39538 (10061623)
677.84314 (10061623) 703.13254 (11041621)
3610633.3 | 664.35716 (10111905) 668.15776 (10061623) 677.62258 (10061623)
684.75367 (11041621) 720.94618 (11041621)
3610624.3 | 683.79794 (10061623) 677.09175 (10061623) 682.48305 (11041621)
711.56158 (11041621) 729.48174 (11041621)
3610615.4 | 694.16871 (10061623) 671.14280 (11041621) 692.69565 (11041621)
728.99523 (11041621) 733.07005 (11041621)

```

*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: YRDTRK ***
INCLUDING SOURCE(S): L0001542 , L0001543
, L0001544 , L0001545 , L0001546 ,
L0001547 , L0001548 , L0001549 , L0001550 , L0001551
, L0001552 , L0001553 , L0001554 ,
L0001555 , L0001556 , L0001557 , L0001558 , L0001559
, L0001560 , L0001561 , L0001562 ,
L0001563 , L0001564 , L0001565 , L0001566 , L0001567
, L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD | X-COORD (METERS)
(METERS) | 491409.38

3610794.6 | 455.70735 (12052301)
3610785.6 | 467.60881 (12062423)
3610776.7 | 488.39920 (12080802)
3610767.7 | 506.79085 (11040305)
3610758.7 | 521.02734 (11040305)
3610749.8 | 536.43812 (11040305)
3610740.8 | 553.47343 (12080205)
3610731.9 | 568.37258 (10041603)
3610722.9 | 577.25934 (10041603)
3610713.9 | 573.31146 (10041603)
3610705.0 | 585.22166 (10111905)
3610696.0 | 597.91214 (10111905)
3610687.1 | 610.53712 (10111905)
3610678.1 | 629.05503 (10061623)
3610669.1 | 657.27565 (10061623)
3610660.2 | 669.35872 (10061623)
3610651.2 | 680.41864 (11041621)
3610642.3 | 705.57335 (11041621)
3610633.3 | 713.77625 (11041621)
3610624.3 | 713.48051 (11041621)
3610615.4 | 714.12062 (10082424)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 , L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 , L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 , L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490964.36	490985.16	491005.96
	491026.76	491047.56	

3610598.0 |	911.04025 (12100221)	880.43778 (10081706)	898.06919 (10081706)
906.52290 (10081706)	905.05184 (12062423)		
3610584.7 |	911.37297 (10081706)	931.24257 (10081706)	917.30784 (10082303)
948.06662 (12062423)	929.35490 (10082301)		
3610571.5 |	952.23070 (10081706)	947.53575 (10082303)	966.82259 (10082303)
940.79352 (10082301)	940.24740 (10082301)		
3610558.3 |	972.39072 (10082303)	993.78540 (10082303)	980.45952 (10082301)
945.44811 (10082301)	919.14453 (12080205)		
3610545.1 |	1014.66368 (10082303)	1011.72124 (10082301)	971.36081 (10082301)
913.04729 (12090701)	886.02598 (10061623)		
3610531.9 |	1036.24792 (10082301)	1002.32381 (10082301)	941.19035 (12090701)
933.27121 (12090723)	935.95064 (12090723)		
3610518.7 |	1022.76685 (12090701)	970.90947 (12090723)	981.13340 (12090723)
976.79278 (12090723)	965.42641 (11041621)		
3610505.5 |	1001.29527 (12090723)	1003.15143 (12090723)	1007.60528 (12090723)
1009.97352 (11041621)	994.11263 (11041621)		
3610492.3 |	1020.46183 (12090723)	1033.03055 (11041621)	1032.18680 (11041621)
1009.89871 (11041621)	979.30928 (11041621)		
3610479.1 |	1059.15031 (11041621)	1043.20790 (11041621)	1015.21558 (11041621)
998.05744 (12082103)	969.02813 (12082103)		

3610465.9	|	1062.59627	(11041621)	1021.47814	(11041621)	1017.48169	(12082103)
1010.74203		(10071502)	984.02932	(10071502)			
3610452.6	|	1066.29446	(12082103)	1049.25155	(10071502)	1039.04020	(10071502)
991.66346		(11021319)	989.35952	(11021319)			
3610439.4	|	1084.86578	(10071502)	1063.86714	(11021319)	1043.41789	(11021319)
979.09904		(11021319)	970.60843	(12080702)			
3610426.2	|	1085.29403	(11021319)	1038.80866	(12080702)	1024.09393	(12080702)
991.86394		(12080702)	979.64108	(12080702)			
3610413.0	|	1086.07737	(12080702)	1036.23343	(12080702)	1012.52391	(11103019)
1000.57814		(11103019)	991.54320	(11103019)			
3610399.8	|	1108.04754	(11103019)	1057.81107	(11103019)	1001.89549	(11103019)
989.50465		(11103019)	972.79850	(11103019)			
3610386.6	|	1096.86776	(11103019)	1052.66969	(10101019)	1021.23771	(10101019)
987.81926		(10101019)	978.07123	(10101019)			
3610373.4	|	1101.71081	(10101019)	1064.12975	(10021719)	1008.14190	(10021719)
1000.20766		(10021719)	987.50006	(10021719)			
3610360.2	|	1106.07962	(10021719)	1072.73528	(10021719)	1019.02541	(10021719)
997.90331		(10021719)	972.83916	(10021719)			
3610347.0	|	1070.79689	(10021719)	1044.30058	(10122419)	1001.25899	(10122419)
972.26537		(10122419)	945.96206	(10122419)			
3610333.8		1057.95101	(10111518)	1033.43013	(10111518)	988.70757	(10111518)
951.37344		(10111518)	934.12770	(10111518)			

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 , L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 , L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 , L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)		X-COORD (METERS)
491130.76	491068.36	491089.16
	491151.56	491109.96

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-----
3610598.0 | 912.68337 (12062423) 899.09331 (10082301) 854.90436 (10082301)
818.49159 (12080205) 794.64122 (10041603)
3610584.7 | 927.91933 (10082301) 878.13535 (10082301) 838.27472 (12080205)
804.49225 (12080205) 786.63911 (10061623)
3610571.5 | 900.25555 (10082301) 863.98029 (12080205) 832.41441 (10061623)
854.29246 (10061623) 844.92312 (10061623)
3610558.3 | 894.89027 (12080205) 886.86409 (10061623) 893.81982 (10061623)
877.64908 (10061623) 856.68656 (10061623)
3610545.1 | 930.96578 (10061623) 937.86499 (10061623) 922.20359 (10061623)
903.04650 (11041621) 894.72318 (11041621)
3610531.9 | 962.53811 (10061623) 950.37916 (11041621) 946.09446 (11041621)
921.84216 (11041621) 895.30183 (11041621)
3610518.7 | 973.38113 (11041621) 967.85005 (11041621) 950.82706 (11041621)
901.27027 (11041621) 885.65612 (12082103)
3610505.5 | 955.24028 (11041621) 935.31787 (11041621) 907.81123 (11041621)
911.46894 (12082103) 908.98523 (10071502)
3610492.3 | 935.30456 (11041621) 924.82565 (12082103) 917.10850 (10071502)
931.73959 (10071502) 918.30690 (10071502)
3610479.1 | 940.94053 (10071502) 934.72000 (10071502) 923.23737 (10071502)
930.88741 (11021319) 908.28652 (11021319)
3610465.9 | 954.67549 (10071502) 935.93762 (11021319) 920.40308 (11021319)
901.68097 (11021319) 899.36213 (11031921)
3610452.6 | 960.28820 (11021319) 925.47310 (11021319) 907.44892 (12080702)
906.18575 (12080702) 881.82840 (12080702)
3610439.4 | 958.83335 (12080702) 930.59211 (12080702) 913.78694 (11103019)
923.39706 (11103019) 899.94421 (11103019)
3610426.2 | 986.12050 (11103019) 946.65082 (11103019) 930.87266 (11103019)
938.49457 (11103019) 907.90805 (11103019)
3610413.0 | 962.42400 (11103019) 948.88555 (11103019) 926.38034 (11103019)
921.65251 (11103019) 899.05603 (11082824)
3610399.8 | 948.44629 (10101019) 944.56604 (10101019) 929.85218 (10101019)
926.42923 (10101019) 916.68638 (10101019)
3610386.6 | 951.44426 (10021719) 950.14698 (10101019) 932.41269 (10021719)
925.20058 (10021719) 938.31166 (10021719)
3610373.4 | 963.06776 (10021719) 971.18660 (10021719) 944.78645 (10021719)
933.91136 (10021719) 914.74997 (10021719)
3610360.2 | 952.92907 (10021719) 930.23423 (10021719) 933.50141 (10021719)
919.35696 (10021719) 899.10829 (10021719)
3610347.0 | 938.39621 (10122419) 922.37619 (10122419) 904.79145 (10122419)
901.26471 (10122419) 895.85763 (10122419)
3610333.8 | 926.92626 (10111518) 911.34057 (10111518) 894.06736 (10111518)
890.99641 (10111518) 885.89658 (10111518)

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*** AERMET - VERSION 22112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
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 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
	491234.76	491255.56	

 3610598.0 | 776.44643 (10111905) 754.05594 (10111905) 750.37434 (10061623)
 746.56652 (10061623) 733.80474 (10061623)
 3610584.7 | 795.25930 (10061623) 779.51356 (10061623) 769.84761 (10061623)
 769.84272 (11041621) 752.60940 (11041621)
 3610571.5 | 797.23317 (10061623) 794.41831 (10061623) 794.95739 (11041621)
 814.23337 (11041621) 764.80593 (11041621)
 3610558.3 | 843.11007 (11041621) 830.12786 (11041621) 808.77221 (11041621)
 785.45597 (11041621) 772.57190 (10082424)
 3610545.1 | 858.49228 (11041621) 805.85603 (11041621) 779.74637 (11041621)
 798.71082 (12082103) 792.38182 (12082103)
 3610531.9 | 852.73960 (11041621) 817.30239 (12082103) 793.46075 (12082103)
 820.95782 (10071502) 786.15495 (10071502)
 3610518.7 | 868.23991 (12082103) 848.47047 (10071502) 836.02710 (10071502)
 826.94616 (10071502) 821.62510 (10071502)
 3610505.5 | 887.94940 (10071502) 868.74459 (10071502) 845.61839 (11021319)
 828.02018 (11021319) 845.25793 (11021319)
 3610492.3 | 888.18701 (11021319) 868.19880 (11021319) 844.43673 (11021319)
 817.80526 (11021319) 835.39665 (11031921)
 3610479.1 | 874.15418 (11021319) 856.47306 (11031921) 840.53569 (11031921)
 821.70013 (12080702) 835.00870 (12080702)
 3610465.9 | 879.96515 (11031921) 862.08006 (12080702) 852.45766 (12080702)
 835.25145 (11040422) 850.22220 (11040422)
 3610452.6 | 893.36482 (11040422) 885.55681 (11040422) 882.20100 (11040422)
 869.30217 (11040422) 854.35910 (11040422)

3610439.4 |	890.28299 (11103019)	900.58431 (11040422)	881.79295 (11040422)
868.80826 (11040422)	840.51192 (11040422)		
3610426.2 |	888.44217 (11103019)	874.80519 (11103019)	878.40511 (11082824)
870.65215 (11082824)	840.68175 (11082824)		
3610413.0 |	883.79738 (11082824)	867.81429 (11082824)	880.43814 (10101019)
872.12868 (10101019)	849.28264 (10101019)		
3610399.8 |	894.93462 (10101019)	872.46289 (10101019)	862.28450 (10101019)
852.68424 (10021719)	854.07050 (10021719)		
3610386.6 |	904.49241 (10021719)	890.96149 (10021719)	883.35588 (10021719)
869.65126 (10021719)	854.56908 (10021719)		
3610373.4 |	912.94893 (10021719)	891.43753 (10021719)	881.60359 (10021719)
859.99581 (10021719)	844.34983 (10021719)		
3610360.2 |	877.84483 (10021719)	878.42134 (10021719)	856.50369 (10021719)
836.08141 (10122419)	829.53458 (10122419)		
3610347.0 |	881.98723 (10122419)	865.61829 (10122419)	866.25026 (10122419)
841.59853 (10122419)	839.82899 (10122419)		
3610333.8	880.89646 (10111518)	867.83578 (10111518)	873.70429 (10111518)
844.20528 (10111518)	825.59792 (10111518)		

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*** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491276.36	491297.16	491317.96
491338.76	491359.56		

3610598.0 |	714.96747 (11041621)	704.52721 (11041621)	696.41843 (11041621)
-----------	----------------------	----------------------	----------------------

699.73282	(11041621)	737.42213	(10082424)		
3610584.7	| 736.60257	(11041621)	705.48671	(11041621)	685.69748 (10082424)
701.46502	(10082424)	748.06192	(10082424)		
3610571.5	| 740.62428	(10082424)	713.50259	(10082424)	689.76564 (10082424)
699.51967	(12082103)	749.06914	(10071502)		
3610558.3	| 754.52475	(10082424)	719.70246	(12082103)	691.05437 (10071502)
717.27535	(10071502)	750.88419	(10071502)		
3610545.1	| 780.33363	(10071502)	738.21381	(10071502)	714.99107 (10071502)
715.62731	(10071624)	728.60838	(10071624)		
3610531.9	| 799.79748	(10071502)	754.30144	(10071624)	731.92806 (10071624)
731.90102	(10071624)	741.14305	(10071624)		
3610518.7	| 790.67596	(11021319)	786.42280	(10071624)	737.53346 (10071624)
746.78171	(11031921)	787.41787	(11021319)		
3610505.5	| 798.42213	(11021319)	761.85209	(11031921)	778.72943 (11031921)
768.64915	(11031921)	827.01809	(12080702)		
3610492.3	| 798.97235	(11031921)	776.80512	(12080702)	748.97707 (11031921)
755.12337	(11031921)	797.86304	(12080702)		
3610479.1	| 806.88185	(12080702)	794.16357	(11040422)	780.43104 (11040422)
765.86945	(11040422)	813.73412	(11040422)		
3610465.9	| 834.00095	(11040422)	822.69701	(11040422)	801.94282 (11040422)
765.59293	(11040422)	777.93272	(11040422)		
3610452.6	| 837.74237	(11040422)	827.14258	(11040422)	800.76987 (11040422)
761.12108	(11040422)	763.26689	(11082824)		
3610439.4	| 829.62637	(11082824)	824.60049	(11082824)	804.16431 (11082824)
782.54477	(11082824)	755.25862	(11082824)		
3610426.2	| 846.74674	(10101019)	834.43623	(10101019)	814.22437 (10101019)
793.06516	(10101019)	758.94730	(10101019)		
3610413.0	| 853.64692	(10101019)	836.99305	(10101019)	813.12781 (10101019)
792.14437	(10021719)	755.34242	(10101019)		
3610399.8	| 840.45510	(10021719)	849.41891	(10021719)	822.39613 (10021719)
801.54565	(10021719)	760.88797	(10021719)		
3610386.6	| 847.10056	(10021719)	843.25013	(10021719)	813.69904 (10021719)
790.62675	(10021719)	736.33943	(11041823)		
3610373.4	| 834.95131	(10021719)	824.46688	(10021719)	801.28635 (10122419)
770.07614	(10122419)	732.17876	(10041721)		
3610360.2	| 817.42027	(10122419)	811.17488	(10122419)	805.01525 (10122419)
793.22637	(10122419)	732.48159	(10122419)		
3610347.0	| 820.89797	(10122419)	819.46465	(10122419)	812.25104 (10122419)
785.50632	(10111518)	725.68145	(10111518)		
3610333.8	815.92139	(10111518)	805.85809	(10111518)	798.75733 (10111518)
755.43307	(10111518)	739.38565	(10061622)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: YRDTRK ***

INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|	X-COORD (METERS)
(METERS)	|	
	|	491380.36

 3610598.0 | 718.02776 (10082424)
 3610584.7 | 725.62355 (12082103)
 3610571.5 | 737.62601 (10071502)
 3610558.3 | 764.18469 (10071502)
 3610545.1 | 752.94935 (10071624)
 3610531.9 | 738.28146 (10071624)
 3610518.7 | 758.80697 (11031921)
 3610505.5 | 792.29885 (12080702)
 3610492.3 | 778.79690 (11040422)
 3610479.1 | 750.37537 (11040422)
 3610465.9 | 743.13677 (11040422)
 3610452.6 | 729.71852 (11082824)
 3610439.4 | 715.94598 (11082824)
 3610426.2 | 690.37262 (10101019)
 3610413.0 | 654.23725 (11050421)
 3610399.8 | 685.91195 (11123018)
 3610386.6 | 702.71512 (11041823)
 3610373.4 | 709.01532 (10041721)
 3610360.2 | 709.43672 (10122419)
 3610347.0 | 703.32481 (10111518)
 3610333.8 | 707.72471 (10061622)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491360.32	491376.93	491393.54
491410.15	491426.76		

3610184.5 |	689.66817 (10120403)	663.04481 (10120403)	642.40601 (10052921)
645.54810 (10081704)	630.99570 (10081704)		
3610142.8 |	625.00543 (10120403)	644.19381 (10090221)	625.13957 (10090221)
604.77362 (11092823)	609.02238 (10120403)		
3610101.2 |	628.86765 (12042821)	608.95044 (12042821)	613.09184 (11091121)
590.80275 (11091121)	598.70045 (11091121)		
3610059.6 |	617.36035 (12022520)	616.24179 (12022520)	606.91813 (12022520)
593.03915 (12042821)	586.29789 (12042821)		
3610018.0 |	606.03235 (10032320)	608.31431 (10032320)	600.58491 (10032320)
588.74527 (10033124)	575.96787 (10033124)		
3609976.4 |	593.81731 (12120619)	588.31222 (11032521)	581.90159 (10033101)
580.22545 (10033101)	564.24571 (10033101)		
3609934.8 |	569.10209 (11042621)	560.61982 (11042621)	559.88032 (12120619)
564.28056 (12120619)	553.72823 (12120619)		
3609893.2 |	547.67666 (10040120)	558.54584 (11042621)	564.83233 (11042621)
560.26065 (11042621)	545.81852 (11042621)		
3609851.6 |	562.27422 (10082423)	537.23459 (10082423)	516.62802 (10040120)
517.48661 (10040120)	509.82365 (11042621)		
3609810.0 |	602.55175 (10101020)	573.44577 (10101020)	529.80241 (10101020)
525.42900 (10082423)	514.28952 (10082423)		
3609768.4 |	583.15322 (10090921)	578.87221 (10090921)	578.32977 (10101020)
569.02551 (10101020)	553.91862 (10101020)		
3609726.7 |	606.54185 (10041824)	575.52060 (10041824)	551.92727 (10091101)
556.94790 (10090921)	554.49579 (10101020)		
3609685.1 |	626.04803 (11111520)	601.02248 (10041824)	591.05095 (10041824)
557.51631 (10041824)	530.99484 (10091101)		
3609643.5 |	606.61771 (11111520)	620.47336 (11111520)	610.60980 (11111520)

575.71499 (10041824)	572.62648 (10041824)		
3609601.9 | 593.29311 (12041421)	594.68325 (12041421)	589.49303 (11111520)	
598.59471 (11111520)	591.90591 (11111520)		
3609560.3 | 585.31817 (11112103)	568.96123 (11050401)	574.42187 (12041421)	
575.18835 (12041421)	567.89313 (11111520)		
3609518.7 | 584.60298 (11102120)	578.12394 (11112103)	556.48200 (11112103)	
545.63927 (11050401)	549.44645 (12041421)		
3609477.1 | 566.06152 (11091122)	570.64910 (11102120)	558.80378 (11112103)	
554.49915 (11112103)	532.19783 (11112103)		
3609435.5 | 532.89966 (11091122)	546.88531 (11091122)	549.60543 (11102120)	
552.55263 (11102120)	542.83312 (11112103)		
3609393.9 | 518.33929 (11080205)	513.42960 (11080205)	524.61207 (11091122)	
530.37675 (11091122)	533.75833 (11102120)		
3609352.2 511.23115 (12070901)	507.10928 (12070901)	503.35940 (11080205)	
498.90883 (11091122)	513.08727 (11091122)		

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491443.37	491459.98	491476.59
491493.20	491509.81		

3610184.5 | 651.19383 (10081704)	587.54192 (11070123)	550.99326 (11070123)	
527.58583 (11070123)	530.79992 (11070123)		
3610142.8 | 606.96586 (10120403)	627.17370 (10062422)	573.61621 (10062422)	
519.47395 (10062422)	536.27421 (10012920)		

3610101.2 |	586.41213 (11091121)	615.68389 (11083021)	564.53087 (11083021)
519.45110 (11083021)	516.61820 (12050723)		
3610059.6 |	612.41935 (12042821)	583.04840 (12042821)	595.99167 (12042821)
550.25826 (12042821)	510.67198 (11062622)		
3610018.0 |	569.55487 (10033124)	576.41533 (11051223)	556.99001 (11051223)
542.04517 (12022520)	522.15978 (12022520)		
3609976.4 |	591.55651 (10071423)	564.51032 (12011919)	550.24443 (12011919)
537.22264 (10032320)	527.76070 (10033124)		
3609934.8 |	585.21977 (11032521)	566.20827 (11032521)	545.21772 (11032521)
534.72603 (11071724)	523.29232 (10033101)		
3609893.2 |	529.66403 (11042621)	548.42242 (11042621)	536.84500 (11081622)
520.33130 (11102402)	522.70026 (11032521)		
3609851.6 |	517.97701 (11042621)	532.28843 (11042621)	563.44203 (11042621)
558.76523 (10030420)	548.60396 (10030420)		
3609810.0 |	496.64444 (10082423)	491.39664 (10040120)	485.32018 (10040120)
485.56494 (11042621)	507.54764 (11042621)		
3609768.4 |	524.49153 (10101020)	505.91047 (10082423)	492.39231 (10082423)
478.86682 (10082423)	472.93972 (10040120)		
3609726.7 |	556.68888 (10101020)	547.78379 (10101020)	527.17219 (10101020)
494.30527 (10082423)	493.18933 (10082423)		
3609685.1 |	529.64488 (10090921)	537.75035 (10090921)	539.00537 (10101020)
538.19193 (10101020)	529.93246 (10101020)		
3609643.5 |	556.79284 (10041824)	521.49114 (10041824)	510.86958 (10091101)
519.15404 (10090921)	520.56384 (10090921)		
3609601.9 |	566.12148 (11111520)	558.11933 (10041824)	542.85934 (10041824)
513.03597 (10041824)	488.68869 (10091101)		
3609560.3 |	575.76448 (11111520)	567.54338 (11111520)	542.11828 (11111520)
527.78037 (10041824)	517.00158 (10041824)		
3609518.7 |	547.81431 (12041421)	538.88365 (11111520)	544.74642 (11111520)
535.73707 (11111520)	517.64451 (11111520)		
3609477.1 |	526.94961 (11050401)	526.65647 (12041421)	520.29951 (12041421)
510.58450 (11111520)	520.98644 (11111520)		
3609435.5 |	529.66325 (11112103)	507.49441 (11112103)	507.29044 (11050401)
507.99627 (12041421)	498.16222 (12041421)		
3609393.9 |	529.86753 (11102120)	528.45529 (11112103)	514.45948 (11112103)
489.99484 (11050401)	484.00035 (11050401)		
3609352.2	511.81175 (11102120)	518.43211 (11102120)	510.14689 (11102120)
508.04017 (11112103)	493.08524 (11112103)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,

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, L0001552      , L0001547      , L0001548      , L0001549      , L0001550      , L0001551
, L0001553      , L0001555      , L0001556      , L0001557      , L0001558      , L0001559
, L0001560      , L0001561      , L0001562      , L0001563      , L0001564      , L0001565
, L0001568      , L0001569      , . . .

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*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

```

Y-COORD | X-COORD (METERS)
(METERS) |
491576.25 | 491526.42 491543.03 491559.64
491592.86 |

```

3610184.5 |	528.99339 (11070122)	515.72131 (11070122)	491.22974 (10102205)
467.09659 (10102205)	443.38339 (10102205)		
3610142.8 |	537.93778 (10012920)	509.08959 (10012920)	485.57124 (10012920)
473.51541 (10012920)	461.12695 (10012920)		
3610101.2 |	510.09086 (12050723)	514.73553 (12050723)	481.47516 (12050723)
455.38697 (10101703)	436.13226 (11050523)		
3610059.6 |	492.92599 (11062622)	497.62526 (11062622)	476.89800 (11062622)
458.34865 (11082324)	445.38435 (11082324)		
3610018.0 |	494.38043 (12022520)	474.72185 (12042821)	470.44208 (12042821)
458.02271 (12042821)	444.04381 (12042821)		
3609976.4 |	504.42841 (10033124)	472.38350 (10033124)	469.60599 (11051223)
467.79233 (11051223)	452.61445 (11051223)		
3609934.8 |	514.26236 (12011919)	504.80463 (12011919)	497.12297 (12011919)
486.48473 (12011919)	474.36396 (10032320)		
3609893.2 |	521.06574 (11032521)	509.41515 (11032521)	499.20385 (11032521)
491.87682 (11071724)	480.02265 (10033101)		
3609851.6 |	537.66809 (10030420)	516.10145 (11081622)	509.45945 (11102402)
501.79066 (11032521)	503.86358 (11032521)		
3609810.0 |	515.39729 (11042621)	516.44334 (11042621)	511.43148 (11042621)
530.47110 (11042621)	516.44767 (10030420)		
3609768.4 |	472.57573 (10040120)	470.58844 (10040120)	475.09475 (11042621)
492.82459 (11042621)	514.54126 (10030420)		
3609726.7 |	483.19657 (10082423)	464.82474 (10082423)	454.89785 (10040120)
453.15539 (10040120)	452.74138 (10040120)		
3609685.1 |	505.64794 (10101020)	476.42103 (10082423)	469.74581 (10082423)
454.58855 (10082423)	478.66199 (10082423)		
3609643.5 |	518.08366 (10101020)	497.85341 (10101020)	475.28157 (10101020)
450.99747 (10101020)	461.23426 (10082423)		
3609601.9 |	482.40784 (10090921)	481.10553 (10090921)	476.47587 (10101020)
472.08841 (10101020)	465.35122 (10101020)		
3609560.3 |	490.77585 (10041824)	459.94508 (10091101)	452.77692 (10090921)

454.68214	(10090921)	463.49565	(10090921)		
3609518.7	| 501.55915	(10041824)	484.46787	(10041824)	460.89794 (10041824)
435.00208	(10091101)	428.26386	(10091101)		
3609477.1	| 516.04495	(11111520)	484.91981	(11111520)	466.58154 (10041824)
459.83509	(10041824)	450.07576	(10041824)		
3609435.5	| 489.83347	(11111520)	503.03545	(11111520)	498.19820 (11111520)
473.92680	(11111520)	448.08518	(10041824)		
3609393.9	| 486.56109	(12041421)	483.88073	(12041421)	474.94364 (11111520)
473.38232	(11111520)	463.87773	(11111520)		
3609352.2	| 467.14638	(11050401)	459.39144	(11050401)	466.46222 (12041421)
465.89010	(12041421)	446.45365	(11111520)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
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 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491609.47	491626.08	491642.69
	|	491659.30	491675.91	

3610184.5	| 436.82366	(10102205)	430.15620	(10102205)	407.50815 (10102205)
400.96998	(10102205)	399.42877	(10102205)		
3610142.8	| 442.81954	(10012920)	419.03710	(10012920)	401.27739 (10012920)
394.07436	(10012920)	391.72358	(10012920)		
3610101.2	| 426.05535	(10111904)	416.06863	(10111904)	395.51335 (10111904)
385.05392	(10111904)	379.15961	(10111904)		
3610059.6	| 431.57598	(11082324)	413.71498	(11083021)	378.48030 (11081601)
359.62646	(10101703)	355.68257	(10101703)		

3610018.0 |	434.69425 (12042821)	421.55078 (10080222)	389.90973 (10080222)
372.84648 (10080222)	360.48032 (11062622)		
3609976.4 |	436.00279 (12022520)	428.22684 (12022520)	424.48296 (12022520)
428.34314 (12042821)	419.11210 (12042821)		
3609934.8 |	465.14674 (10032320)	459.58174 (10033124)	451.62525 (10033124)
437.09680 (11051223)	430.78692 (11051223)		
3609893.2 |	479.88423 (12011919)	477.72137 (12011919)	477.31166 (12011919)
463.58758 (12011919)	447.55872 (12011919)		
3609851.6 |	490.88730 (11032521)	478.90055 (11032521)	468.62695 (11032521)
456.57854 (11071724)	444.92805 (10033101)		
3609810.0 |	492.46687 (11081622)	472.20009 (11102402)	459.96228 (12120619)
450.97207 (12120619)	445.67031 (11032521)		
3609768.4 |	508.67978 (10030420)	498.60453 (10030420)	471.42232 (10030420)
454.39524 (10030420)	442.76638 (11081622)		
3609726.7 |	517.36200 (11010719)	501.86631 (11010719)	480.76918 (11022504)
459.34416 (11022504)	445.31736 (10030420)		
3609685.1 |	487.03248 (11010719)	489.63792 (11010719)	484.16939 (11010719)
467.07204 (11010719)	443.77775 (11010719)		
3609643.5 |	506.58473 (10082423)	493.53276 (10082423)	473.43680 (10073122)
446.36522 (10073122)	436.88331 (11010719)		
3609601.9 |	491.71873 (10073123)	491.75859 (10073123)	474.52559 (10073123)
466.46026 (10073122)	454.46297 (10073122)		
3609560.3 |	497.20033 (10101020)	505.73427 (10101020)	493.87229 (10101020)
476.75330 (10073123)	464.23937 (10073123)		
3609518.7 |	447.67044 (10090921)	491.02784 (10090921)	485.12662 (10090921)
478.63348 (10090921)	481.82087 (10101020)		
3609477.1 |	426.85215 (10041824)	431.33449 (10091101)	468.93583 (11052522)
476.99078 (11052522)	473.61721 (10090921)		
3609435.5 |	451.42113 (10041824)	444.17893 (10041824)	419.86415 (10041824)
460.91063 (10091101)	468.59117 (10091101)		
3609393.9 |	450.23918 (11111520)	431.19724 (10041824)	469.99641 (10041824)
480.29449 (10041824)	463.91839 (11091821)		
3609352.2	448.08113 (11111520)	444.27282 (11111520)	437.67027 (11111520)
454.81864 (10041824)	457.41134 (10041824)		

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: YRDTRK ***
INCLUDING SOURCE(S): L0001542 , L0001543
, L0001544 , L0001545 , L0001546 ,
L0001547 , L0001548 , L0001549 , L0001550 , L0001551
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L0001555 , L0001556 , L0001557 , L0001558 , L0001559
, L0001560 , L0001561 , L0001562 ,

, L0001568 , L0001563 , L0001564 , L0001565 , L0001566 , L0001567 , L0001569 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
(METERS) | 491692.52

3610184.5	|	377.71315	(10102205)
3610142.8	|	384.06186	(10012920)
3610101.2	|	372.85603	(10111904)
3610059.6	|	369.65669	(10101703)
3610018.0	|	369.84058	(11062622)
3609976.4	|	413.90113	(12042821)
3609934.8	|	412.02523	(11051223)
3609893.2	|	437.63193	(10032320)
3609851.6	|	434.47306	(10033101)
3609810.0	|	436.69312	(11032521)
3609768.4	|	429.85370	(12120101)
3609726.7	|	437.49572	(10030420)
3609685.1	|	431.51771	(11022504)
3609643.5	|	432.98101	(11010719)
3609601.9	|	440.00985	(10073122)
3609560.3	|	448.21034	(10073123)
3609518.7	|	460.51159	(10101020)
3609477.1	|	474.01286	(10090921)
3609435.5	|	465.11031	(11052522)
3609393.9		461.03567	(11091821)
3609352.2		461.91152	(10041824)

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -

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*** AERMET - VERSION 22112 ***

*** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: YRDTRK ***

INCLUDING SOURCE(S): L0001542 , L0001543
, L0001544 , L0001545 , L0001546 ,
L0001547 , L0001548 , L0001549 , L0001550 , L0001551
, L0001552 , L0001553 , L0001554 ,
L0001555 , L0001556 , L0001557 , L0001558 , L0001559

, L0001560 , L0001561 , L0001562 ,
 , L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	805.70966	(11092822)	491278.96
3610288.22	784.58827	(10032020)		
491317.19	3610288.22	776.57044	(10032020)	491355.42
3610288.22	740.62743	(10032020)		
491393.65	3610342.70	689.01275	(10111518)	491431.88
3610342.70	640.78227	(10111518)		
491470.11	3610342.70	612.52999	(10111518)	491508.34
3610342.70	575.78661	(10111518)		
491546.57	3610342.70	537.88141	(10111518)	491584.80
3610342.70	465.47622	(10111518)		
491623.03	3610342.70	431.41219	(10111518)	491508.34
3610397.18	540.75760	(11041823)		
491546.57	3610397.18	505.40020	(11041823)	491584.80
3610397.18	478.02988	(11041823)		
491623.03	3610397.18	449.69160	(10041721)	491508.34
3610451.66	530.63382	(10101019)		
491546.57	3610451.66	499.67964	(12031203)	491584.80
3610451.66	490.10846	(12031203)		
491623.03	3610451.66	460.51638	(12031203)	491508.34
3610506.14	579.99171	(11040422)		
491546.57	3610506.14	533.78865	(11040422)	491584.80
3610506.14	512.41948	(11040422)		
491623.03	3610506.14	469.38065	(11040422)	491508.34
3610560.62	579.77948	(11031921)		
491546.57	3610560.62	547.97784	(11031921)	491584.80
3610560.62	523.20044	(12090424)		
491623.03	3610560.62	493.94711	(12090424)	491087.81
3610615.10	870.51585	(12062423)		
491126.04	3610615.10	834.41359	(10082301)	491508.34
3610615.10	547.73276	(12082103)		
491546.57	3610615.10	543.15015	(10071502)	491584.80
3610615.10	508.13116	(10101721)		
491623.03	3610615.10	470.45597	(10101721)	491087.81
3610669.58	738.33726	(12100221)		
491126.04	3610669.58	748.23452	(10081706)	491508.34
3610669.58	534.28174	(11041621)		

491546.57	3610669.58	534.30365	(11041621)	491584.80
3610669.58	510.20067	(10082424)		
491623.03	3610669.58	499.34666	(12082103)	491546.57
3610724.06	496.41805	(10061623)		
491584.80	3610724.06	442.33249	(10061623)	491623.03
3610724.06	428.66473	(11041621)		
491546.57	3610778.54	481.63025	(12080205)	491584.80
3610778.54	477.71725	(10111905)		
491623.03	3610778.54	414.04934	(10111905)	490934.89
3610833.02	545.15122	(12060901)		
490973.12	3610833.02	515.56437	(12060622)	491011.35
3610833.02	478.68095	(12062424)		
491049.58	3610833.02	473.09310	(11010619)	491087.81
3610833.02	491.33722	(12060823)		
491126.04	3610833.02	539.66383	(11020821)	491164.27
3610833.02	539.49753	(11020821)		
491202.50	3610833.02	534.64718	(10061223)	491240.73
3610833.02	512.00040	(10061223)		
491278.96	3610833.02	511.04045	(12090323)	491317.19
3610833.02	506.00224	(12062723)		
491355.42	3610833.02	474.01929	(12062723)	491393.65
3610833.02	453.68834	(10081706)		
491431.88	3610833.02	446.44246	(12052301)	491470.11
3610833.02	449.84193	(12052301)		
491508.34	3610833.02	415.30941	(12080802)	491546.57
3610833.02	424.71610	(10101704)		
491584.80	3610833.02	451.69656	(12080205)	491623.03
3610833.02	413.64312	(12080205)		
490934.89	3610887.50	543.31395	(11021520)	490973.12
3610887.50	497.90969	(12063003)		
491011.35	3610887.50	471.97603	(12060622)	491049.58
3610887.50	432.99523	(12060824)		
491087.81	3610887.50	428.17650	(11010619)	491126.04
3610887.50	467.86858	(11041622)		
491164.27	3610887.50	479.07033	(12060823)	491202.50
3610887.50	484.22999	(11020821)		
491240.73	3610887.50	460.26540	(11031623)	491278.96
3610887.50	456.66995	(10061223)		
491317.19	3610887.50	437.47758	(10061223)	491355.42
3610887.50	434.73022	(12090323)		
491393.65	3610887.50	407.65030	(12062723)	491431.88
3610887.50	420.72124	(12062723)		
491470.11	3610887.50	402.38102	(10081706)	491508.34
3610887.50	387.09846	(12052301)		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: YRTRK ***
INCLUDING SOURCE(S): L0001542 , L0001543
, L0001544 , L0001545 , L0001546 ,
L0001547 , L0001548 , L0001549 , L0001550 , L0001551
, L0001552 , L0001553 , L0001554 ,
L0001555 , L0001556 , L0001557 , L0001558 , L0001559
, L0001560 , L0001561 , L0001562 ,
L0001563 , L0001564 , L0001565 , L0001566 , L0001567
, L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	381.76465	(12052301)	491584.80
3610887.50	367.08721	(12052301)		
491623.03	3610887.50	360.34575	(10101704)	490858.43
3610941.98	607.85782	(12060624)		
490896.66	3610941.98	548.76448	(12052023)	490934.89
3610941.98	504.31203	(11021520)		
490973.12	3610941.98	442.95998	(12063003)	491011.35
3610941.98	426.84820	(12060622)		
491049.58	3610941.98	439.88895	(12062424)	491087.81
3610941.98	426.37388	(12060824)		
491126.04	3610941.98	429.83127	(11010619)	491164.27
3610941.98	427.30873	(11041622)		
491202.50	3610941.98	417.53762	(12060823)	491240.73
3610941.98	384.64349	(10061723)		
491278.96	3610941.98	401.01526	(11020821)	491317.19
3610941.98	404.47506	(11031623)		
491355.42	3610941.98	407.06537	(10061223)	491393.65
3610941.98	382.64036	(12090323)		
491431.88	3610941.98	386.11721	(12090323)	491470.11
3610941.98	362.65114	(12062723)		
491508.34	3610941.98	354.74855	(12062723)	491546.57
3610941.98	348.44174	(10081706)		
491584.80	3610941.98	338.84879	(10081706)	491623.03
3610941.98	344.08017	(12052301)		
490858.43	3610996.46	582.45796	(12060624)	490896.66
3610996.46	517.91310	(12052023)		
490934.89	3610996.46	467.21179	(11021520)	490973.12

3610996.46	406.92707	(12060901)			
	491011.35	3610996.46	433.80035	(12063003)	491049.58
3610996.46	431.68731	(12060622)			
	491087.81	3610996.46	419.79224	(12060824)	491126.04
3610996.46	403.00678	(12060824)			
	491164.27	3610996.46	381.81794	(11010619)	491202.50
3610996.46	368.77233	(11010619)			
	491240.73	3610996.46	345.87633	(12090624)	491278.96
3610996.46	366.76377	(12060823)			
	491317.19	3610996.46	371.94511	(11082603)	491355.42
3610996.46	371.89022	(11031623)			
	491393.65	3610996.46	356.97567	(12081902)	491431.88
3610996.46	339.10920	(10061223)			
	491470.11	3610996.46	329.60134	(12090323)	491508.34
3610996.46	324.10345	(12090323)			
	491546.57	3610996.46	328.92640	(12062723)	491584.80
3610996.46	318.29096	(12062723)			
	491623.03	3610996.46	321.16941	(10081706)	490858.43
3611050.94	517.62453	(12060624)			
	490896.66	3611050.94	424.50512	(12090703)	490934.89
3611050.94	409.91174	(11033121)			
	490973.12	3611050.94	417.91558	(11021520)	491011.35
3611050.94	373.26967	(12063003)			
	491049.58	3611050.94	405.19142	(12060622)	491087.81
3611050.94	420.99671	(12062424)			
	491126.04	3611050.94	396.54133	(12060824)	491164.27
3611050.94	356.49666	(12060824)			
	491202.50	3611050.94	347.62522	(12090522)	491240.73
3611050.94	350.07167	(11010619)			
	491278.96	3611050.94	321.68781	(12052822)	491317.19
3611050.94	323.54375	(12060823)			
	491355.42	3611050.94	323.28824	(10061723)	491393.65
3611050.94	322.75820	(11082603)			
	491431.88	3611050.94	317.17336	(11031623)	491470.11
3611050.94	292.72979	(12081902)			
	491508.34	3611050.94	286.80892	(10061223)	491546.57
3611050.94	287.22309	(12090323)			
	491584.80	3611050.94	300.41888	(12090323)	491623.03
3611050.94	292.74069	(12062723)			
	490858.43	3611105.42	475.70038	(12060624)	490896.66
3611105.42	408.08485	(12090703)			
	490934.89	3611105.42	397.07034	(12052023)	490973.12
3611105.42	383.69934	(11021520)			
	491011.35	3611105.42	364.69655	(12060901)	491049.58
3611105.42	423.00297	(12063003)			
	491087.81	3611105.42	411.90654	(12060622)	491126.04
3611105.42	381.11417	(12062424)			
	491164.27	3611105.42	370.52426	(12060824)	491202.50
3611105.42	335.07360	(12090522)			
	491240.73	3611105.42	333.08650	(12090522)	491278.96

3611105.42 319.63375 (11010619)
 491317.19 3611105.42 294.68750 (12052822) 491355.42
 3611105.42 291.65909 (12060823)
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491393.65	3611105.42	290.00123 (12060823)	491431.88
3611105.42	278.26538 (11082603)		
491470.11	3611105.42	276.53793 (11031623)	491508.34
3611105.42	257.67457 (12081902)		
491546.57	3611105.42	260.94368 (10061223)	491584.80
3611105.42	265.02784 (10061223)		
491623.03	3611105.42	258.20660 (12090323)	490858.43
3611159.90	439.13854 (12060624)		
490896.66	3611159.90	391.45373 (12060624)	490934.89
3611159.90	380.86310 (12052023)		
490973.12	3611159.90	371.95593 (11021520)	491011.35
3611159.90	386.33368 (12060901)		
491049.58	3611159.90	394.73949 (12063003)	491087.81
3611159.90	374.53588 (12060622)		
491126.04	3611159.90	378.41422 (12062424)	491164.27
3611159.90	353.27314 (12060824)		
491202.50	3611159.90	329.60904 (12060824)	491240.73
3611159.90	292.52903 (12090522)		

491278.96	3611159.90	288.85222	(12090522)	491317.19
3611159.90	284.57705	(11010619)		
491355.42	3611159.90	265.56067	(11010619)	491393.65
3611159.90	257.07259	(12090624)		
491431.88	3611159.90	255.09374	(12060823)	491470.11
3611159.90	244.16234	(10061723)		
491508.34	3611159.90	237.06076	(11082603)	491546.57
3611159.90	241.03929	(11031623)		
491584.80	3611159.90	243.95720	(12081902)	491623.03
3611159.90	223.86069	(12081902)		
490858.43	3611214.38	405.18687	(12080824)	490896.66
3611214.38	369.92617	(12060624)		
490934.89	3611214.38	362.47540	(12052023)	490973.12
3611214.38	354.47238	(11033121)		
491011.35	3611214.38	412.22669	(11021520)	491049.58
3611214.38	361.98300	(12060901)		
491087.81	3611214.38	374.55755	(12063003)	491126.04
3611214.38	375.63031	(12060622)		
491164.27	3611214.38	346.30714	(12062424)	491202.50
3611214.38	311.89416	(12060824)		
491240.73	3611214.38	287.03134	(12060824)	491278.96
3611214.38	252.51286	(12090522)		
491317.19	3611214.38	249.81661	(12090522)	491355.42
3611214.38	236.26549	(11010619)		
491393.65	3611214.38	236.44411	(11010619)	491431.88
3611214.38	229.14762	(12050304)		
491470.11	3611214.38	219.46933	(12060823)	491508.34
3611214.38	221.54677	(10061723)		
491546.57	3611214.38	221.56976	(11082603)	491584.80
3611214.38	210.41209	(11082603)		
491623.03	3611214.38	196.28096	(11031623)	490858.43
3611268.86	374.46605	(12080824)		
490896.66	3611268.86	349.71075	(12060624)	490934.89
3611268.86	325.35820	(12090703)		
490973.12	3611268.86	338.06758	(11033121)	491011.35
3611268.86	362.41175	(11021520)		
491049.58	3611268.86	356.58365	(12060901)	491087.81
3611268.86	349.32756	(12063003)		
491126.04	3611268.86	341.48199	(12063003)	491164.27
3611268.86	331.56907	(12060622)		
491202.50	3611268.86	294.97914	(12062424)	491240.73
3611268.86	273.16230	(12060824)		
491278.96	3611268.86	233.51872	(12060824)	491317.19
3611268.86	230.76531	(12090522)		
491355.42	3611268.86	223.63584	(12090522)	491393.65
3611268.86	225.27880	(11010619)		
491431.88	3611268.86	215.51394	(11010619)	491470.11
3611268.86	204.07634	(12050304)		
491508.34	3611268.86	202.99787	(12090624)	491546.57
3611268.86	203.91601	(12060823)		

491584.80	3611268.86	194.92802	(10061723)	491623.03
3611268.86	171.73838 (10100103)			
490858.43	3611323.34	365.49682	(12080824)	490896.66
3611323.34	340.89177 (12060624)			
490934.89	3611323.34	309.06984	(12090703)	490973.12
3611323.34	329.29220 (12052023)			
491011.35	3611323.34	328.70488	(11021520)	491049.58
3611323.34	330.42764 (11021520)			
491087.81	3611323.34	308.41670	(12063003)	491126.04
3611323.34	330.85834 (12063003)			
491164.27	3611323.34	312.88108	(12060622)	491202.50
3611323.34	290.86414 (12062424)			

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 281

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
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 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	254.99342	(12060824)	491278.96
3611323.34	239.47200 (12060824)			
491317.19	3611323.34	218.15082	(12060824)	491355.42
3611323.34	210.60458 (12090522)			
491393.65	3611323.34	204.98567	(12090522)	491431.88
3611323.34	196.00668 (11010619)			
491470.11	3611323.34	192.02076	(11010619)	491508.34
3611323.34	183.43076 (12050304)			
491546.57	3611323.34	175.71613	(12090624)	491584.80

3611323.34	162.71954	(10032304)			
491623.03	3611323.34		151.59769	(12060823)	491583.40
3608705.27	392.52544	(10120419)			
491577.37	3608727.37		379.97182	(10120419)	491573.36
3608753.50	381.10318	(11040421)			
491562.30	3608782.64		352.46369	(11040421)	491565.32
3608775.60	351.46182	(11040421)			
491547.23	3608819.81		358.63992	(11040421)	491545.22
3608840.91	361.74868	(11040421)			
491533.16	3608877.09		389.21479	(11040421)	491524.12
3608898.19	396.22369	(11040421)			
491522.11	3608915.27		394.31745	(11040421)	491520.10
3608925.32	392.76885	(11040421)			
491511.06	3608945.41		398.84299	(11040421)	491507.04
3608961.49	401.22855	(11040421)			
491499.00	3608982.59		403.60532	(11040421)	491498.00
3608992.64	399.36983	(11040421)			
491490.96	3609007.71		401.72062	(11040421)	491484.93
3609030.82	406.14585	(11050321)			
491478.91	3609048.91		414.85500	(11050321)	491470.87
3609072.02	419.94183	(11050321)			
491461.82	3609094.12		422.31175	(11050321)	491450.77
3609114.22	429.65667	(11050321)			
491449.77	3609129.29		432.23795	(11050321)	491443.74
3609145.37	434.59102	(11050321)			
491439.72	3609164.46		438.19809	(11050423)	491434.69
3609178.52	446.82123	(11050423)			
491424.65	3609198.62		455.54014	(11050423)	491418.62
3609216.71	459.19263	(11050423)			
491414.60	3609231.78		463.81994	(11050423)	491409.57
3609244.84	468.13862	(11050423)			
491398.52	3609273.98		477.98017	(11050423)	491397.52
3609289.05	484.24554	(12070901)			
491388.47	3609312.16		493.91282	(12070901)	491383.45
3609329.24	501.24576	(12070901)			
491377.42	3609354.36		506.09146	(12070901)	491374.41
3609371.44	510.71022	(11080205)			
491361.34	3609405.61		522.31360	(11080205)	491355.32
3609423.69	526.77897	(11080205)			
491340.24	3609470.92		551.18650	(11091122)	491324.17
3609526.18	589.54475	(11091122)			
491329.19	3609504.08		574.59342	(11091122)	491314.12
3609546.28	598.09691	(11091122)			
491302.06	3609575.42		616.57682	(11102120)	491296.03
3609594.51	631.25638	(11102120)			
491286.99	3609618.62		643.00692	(11102120)	491279.96
3609632.69	648.91855	(11102120)			
491274.93	3609648.77		654.47703	(11112103)	491269.91
3609666.85	662.44749	(11112103)			
491264.88	3609679.92		665.21940	(11112103)	491259.86

3609700.01	660.09309	(11112103)			
	491269.76	3609874.49	648.41652	(10101020)	491098.46
3610169.21	791.02338	(12042821)			
	491115.74	3610172.91	798.49525	(12042821)	491105.25
3610150.69	802.97433	(10033124)			
	491109.57	3610134.65	797.03934	(10032320)	491108.33
3610125.39	788.86883	(10033101)			
	491113.27	3610114.29	769.02307	(10033101)	491118.82
3610099.48	770.06712	(12120619)			
	491122.52	3610087.75	756.17295	(12120619)	491127.46
3610070.47	738.03066	(11042621)			
	491131.78	3610051.96	727.04415	(10040120)	491136.72
3610040.85	726.11285	(10101020)			
	491138.57	3610034.07	735.95923	(10101020)	491139.80
3610021.73	746.26746	(10101020)			
	491157.08	3610005.06	737.30563	(10101020)	491166.95
3609998.89	725.34622	(10101020)			
	491178.68	3609984.70	707.99039	(10101020)	491174.98
3609963.10	711.85678	(10090921)			
	491184.23	3609965.57	705.40745	(10101020)	491176.21
3609942.12	701.65737	(10041824)			

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: YRDTRK ***
 INCLUDING SOURCE(S): L0001542 , L0001543
 , L0001544 , L0001545 , L0001546 ,
 L0001547 , L0001548 , L0001549 , L0001550 , L0001551
 , L0001552 , L0001553 , L0001554 ,
 L0001555 , L0001556 , L0001557 , L0001558 , L0001559
 , L0001560 , L0001561 , L0001562 ,
 L0001563 , L0001564 , L0001565 , L0001566 , L0001567
 , L0001568 , L0001569 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

491184.23	3609944.59	691.34571	(10090921)	491179.91
3609920.53	727.60646	(10041824)		
491191.64	3609922.99	691.16176	(10041824)	491189.17
3609903.25	746.71756	(10041824)		
491198.42	3609906.95	711.99434	(10041824)	491194.72
3609882.27	750.49592	(11111520)		
491205.83	3609887.20	703.66408	(10041824)	491200.89
3609866.84	740.25870	(11111520)		
491205.83	3609849.56	754.61614	(11111520)	491212.62
3609864.99	708.99547	(11111520)		
491303.94	3609929.78	592.95801	(10040120)	491267.54
3609903.25	650.91989	(10101020)		
491277.41	3609879.18	650.83974	(10101020)	491324.31
3609896.46	585.11712	(10082423)		
491135.48	3610120.46	764.99140	(10032320)	491124.99
3610139.59	787.92723	(10033124)		
491130.55	3610141.44	782.55218	(10033124)	491142.89
3610145.14	767.36279	(12101605)		
491165.10	3610151.31	765.93813	(12042821)	491172.51
3610156.25	765.08245	(12042821)		
491183.00	3610155.01	756.79703	(12042821)	491190.40
3610158.72	746.21252	(12042821)		
491197.81	3610138.97	737.45225	(12042821)	491162.02
3610130.33	756.56227	(10033124)		
491150.91	3610113.67	751.57910	(10032320)	491164.49
3610115.52	750.05049	(10032320)		
491178.06	3610123.54	744.01580	(10033124)	491189.17
3610125.39	730.33272	(10033124)		
491197.81	3610126.63	724.30314	(12101605)	491158.93
3610084.05	745.48208	(12120619)		
491175.59	3610088.37	726.78650	(10033101)	491188.55
3610090.84	723.16527	(10033101)		
491202.13	3610096.39	717.10110	(10032320)	491252.11
3610069.86	661.58478	(10033101)		
491240.39	3610095.77	688.72056	(10033124)	491232.36
3610128.48	694.45178	(12042821)		
491220.02	3610152.55	712.64645	(12042821)	491213.85
3610179.70	723.10015	(11091121)		
491204.60	3610206.85	783.50008	(10120403)	491297.77
3610095.16	646.78718	(12101605)		
491316.29	3610102.56	636.37777	(12042821)	491271.24
3610169.21	686.96849	(10120403)		
491296.54	3610170.44	671.05669	(10120403)	491224.34
3609806.98	712.60194	(11111520)		
491232.36	3609786.00	701.32355	(12041421)	491240.39
3609769.96	694.35690	(12041421)		
491245.94	3609753.92	685.80398	(12041421)	491250.26
3609731.08	666.81009	(11050401)		
491255.20	3609716.89	653.38933	(11050401)	491354.41
3609557.94	595.64076	(11112103)		

491349.69	3609575.67	595.48366	(11112103)	491331.95
3609630.05	605.29426	(11050401)		
491310.67	3609696.25	637.57327	(12041421)	491301.22
3609737.63	672.93115	(11111520)		
491289.40	3609771.91	666.80019	(11111520)	491276.39
3609801.46	666.99094	(10041824)		
491310.67	3609805.01	595.47547	(10091101)	492077.18
3610785.74	227.93430	(12060306)		

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 *** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490903.38	490928.68	490953.98
490979.28	491004.58		

3610794.6 |	607.61903 (11021520)	569.25570 (11021520)	557.88000 (12062424)
530.15133	(12060824)	556.51864 (12090522)	
3610785.6 |	597.37772 (11021520)	572.46904 (12062424)	555.27649 (12062424)
535.57650	(12060824)	566.98653 (12090522)	
3610776.7 |	610.66412 (11021520)	609.25822 (12062424)	574.63250 (12062424)
551.06107	(12090522)	592.00756 (12090522)	
3610767.7 |	596.58556 (12060622)	628.85023 (12062424)	584.95894 (12060824)
579.83045	(12090522)	604.19721 (12090522)	
3610758.7 |	629.77465 (12060622)	643.18496 (12062424)	600.42095 (12060824)
605.79217	(12090522)	613.57726 (12090522)	
3610749.8 |	653.51137 (12060622)	649.57379 (12062424)	608.57525 (12060824)

628.76355	(12090522)	623.72384	(10040821)		
3610740.8	| 660.97721	(12060622)	644.59438	(12062424)	606.08568 (12060824)
639.04198	(12090522)	630.15387	(10040821)		
3610731.9	| 665.52940	(12060622)	634.52791	(12062424)	622.29645 (12090522)
646.21608	(12090522)	639.04084	(10040821)		
3610722.9	| 671.54894	(12062424)	629.36785	(12062424)	639.55237 (12090522)
650.17744	(12090522)	644.59291	(10040821)		
3610713.9	| 679.11060	(12062424)	630.79177	(12062424)	659.10368 (12090522)
657.72269	(10040821)	652.75746	(10040821)		
3610705.0	| 677.74279	(12062424)	631.30261	(12090522)	669.60383 (12090522)
669.25333	(10040821)	657.24714	(10040821)		
3610696.0	| 665.07813	(12062424)	659.68388	(12090522)	673.05871 (10040821)
682.45517	(10040821)	662.06809	(11041622)		
3610687.1	| 661.58481	(12062424)	678.90556	(12090522)	699.22672 (10040821)
692.13168	(10040821)	684.16464	(12081902)		
3610678.1	| 663.93940	(12062424)	692.59242	(12090522)	717.51242 (10040821)
693.38110	(10040821)	704.93109	(12081902)		
3610669.1	| 657.03617	(12062424)	700.58255	(12090522)	729.33237 (10040821)
705.28882	(12081902)	723.99820	(10061223)		
3610660.2	| 676.87592	(12090522)	716.63704	(10040821)	735.00408 (10040821)
727.59566	(12081902)	735.98712	(10061223)		
3610651.2	| 702.55047	(12090522)	734.82398	(10040821)	731.49416 (10040821)
732.28081	(12081902)	750.77261	(12090323)		
3610642.3	| 716.87283	(12090522)	740.94416	(10040821)	765.26748 (12081902)
744.95666	(10061223)	788.35482	(12090323)		
3610633.3	| 728.85552	(12090522)	744.94767	(10040821)	791.55439 (12081902)
777.40195	(12090323)	785.34383	(12100221)		
3610624.3	| 726.25424	(10040821)	752.15219	(12081902)	806.03593 (10061223)
813.53614	(12090323)	799.17126	(12100221)		
3610615.4	769.10497	(12060822)	807.27377	(12081902)	838.17628 (12090323)
824.53046	(12100221)	804.33339	(10081706)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491029.88	491055.18	491080.48
	491105.78	491131.08	

3610794.6 |	559.69321 (12090522)	590.47694 (10040821)	567.42198 (10040821)
594.30306 (11041622)	569.14163 (11041622)		
3610785.6 |	575.10442 (10040821)	599.71388 (10040821)	572.15149 (11041622)
595.54646 (11041622)	563.08667 (12090624)		
3610776.7 |	586.09134 (10040821)	580.22490 (10040821)	577.31713 (11041622)
592.79836 (11041622)	568.27562 (12060823)		
3610767.7 |	594.15476 (10040821)	579.08548 (10040821)	580.27063 (11041622)
592.49349 (11041622)	576.28823 (12060823)		
3610758.7 |	617.77517 (10040821)	580.41186 (11041622)	585.51756 (12081902)
583.15302 (11041622)	581.09459 (12060823)		
3610749.8 |	621.01461 (10040821)	596.03582 (11041622)	599.94571 (12081902)
585.92228 (10061223)	586.95520 (11020821)		
3610740.8 |	621.05828 (10040821)	598.95358 (11041622)	606.55480 (12081902)
589.80099 (12060823)	595.80805 (11020821)		
3610731.9 |	624.17914 (10040821)	610.76421 (12081902)	612.26088 (10061223)
596.88440 (12060823)	610.46358 (12090323)		
3610722.9 |	629.73189 (11041622)	622.32007 (12081902)	614.86868 (10061223)
633.13689 (12090323)	614.74308 (12100221)		
3610713.9 |	641.34913 (11041622)	628.13631 (10061223)	622.43418 (12090323)
645.59420 (12090323)	624.12399 (12100221)		
3610705.0 |	652.67357 (12081902)	634.75830 (10061223)	650.05546 (12090323)
648.07410 (12100221)	627.49863 (12100221)		
3610696.0 |	667.75214 (12081902)	644.02806 (10061223)	665.64956 (12090323)
663.91919 (12100221)	628.65987 (10081706)		
3610687.1 |	686.06369 (10061223)	668.77840 (12090323)	669.07576 (12100221)
658.40104 (12100221)	651.93515 (10081706)		
3610678.1 |	686.88857 (10061223)	695.59180 (12090323)	688.42621 (12100221)
673.32945 (10081706)	675.97059 (10081706)		
3610669.1 |	714.03069 (12090323)	709.93718 (12100221)	690.90576 (12100221)
706.18399 (10081706)	668.84651 (10081706)		
3610660.2 |	737.83626 (12090323)	726.69183 (12100221)	718.58066 (10081706)
711.64453 (10081706)	691.55210 (12062423)		
3610651.2 |	754.79265 (12100221)	727.69777 (12100221)	738.80458 (10081706)
709.98198 (10081706)	714.62853 (12062423)		
3610642.3 |	772.51463 (12100221)	768.05516 (10081706)	749.20555 (10081706)
735.88686 (12062423)	720.00074 (12062423)		
3610633.3	765.28369 (12100221)	794.21404 (10081706)	753.06072 (12062423)
754.01240 (12062423)	741.74017 (10082301)		

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3610624.3 |      804.27056 (10081706)      799.74248 (10081706)      793.64481 (12062423)
769.52801 (10082301)      734.34857 (10082301)
3610615.4 |      821.40872 (10081706)      814.54291 (12062423)      813.18255 (12062423)
780.20086 (10082301)      731.07829 (12090701)
^ *** AERMOD - VERSION 22112 ***      *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0001253 , L0001254
, L0001255 , L0001256 , L0001257 ,
L0001258 , L0001259 , L0001260 , L0001261 , L0001262
, L0001263 , L0001264 , L0001265 ,
L0001266 , L0001267 , L0001268 , L0001269 , L0001270
, L0001271 , L0001272 , L0001273 ,
L0001274 , L0001275 , L0001276 , L0001277 , L0001278
, L0001279 , L0001280 , . . . ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

```

Y-COORD | X-COORD (METERS)
(METERS) |      491156.38      491181.68      491206.98
      491232.28      491257.58
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3610794.6 |      565.60259 (10061223)      549.28783 (10061223)      550.78365 (12090323)
537.93730 (12100221)      519.62866 (12100221)
3610785.6 |      571.55517 (10061223)      547.25016 (10061223)      560.46981 (12090323)
545.62094 (12100221)      531.61516 (12062723)
3610776.7 |      573.14736 (10061223)      562.21447 (12090323)      572.84379 (12100221)
553.59035 (12100221)      538.35076 (12062723)
3610767.7 |      571.39590 (10061223)      580.01874 (12090323)      581.06140 (12100221)
556.81883 (12062723)      549.83581 (10081706)
3610758.7 |      588.30923 (12090323)      586.75650 (12100221)      588.58163 (12100221)
556.58468 (12062723)      565.44567 (10081706)
3610749.8 |      597.87847 (12090323)      602.97244 (12100221)      589.34836 (12062723)
573.26268 (10081706)      564.91051 (10081706)
3610740.8 |      603.47016 (12100221)      602.67448 (12100221)      596.68177 (10081706)
587.22237 (10081706)      564.68403 (10081706)
3610731.9 |      610.95768 (12100221)      610.23923 (12062723)      612.78918 (10081706)

```

591.69552 (10081706)	572.09708 (12052301)		
3610722.9 | 613.10472 (12100221)	622.21104 (10081706)	617.09837 (10081706)	
584.83071 (12052301)	592.81649 (12062423)		
3610713.9 | 613.31006 (12100221)	636.87915 (10081706)	618.65633 (10081706)	
605.99920 (12062423)	598.99324 (12062423)		
3610705.0 | 634.24373 (10081706)	639.19110 (10081706)	622.56336 (12052301)	
628.21220 (12062423)	602.98426 (10082301)		
3610696.0 | 648.67292 (10081706)	636.03119 (10081706)	645.62029 (12062423)	
637.73427 (10082301)	604.24361 (12080802)		
3610687.1 | 653.77671 (10081706)	645.15397 (12062423)	656.26554 (12062423)	
653.07829 (10082301)	610.07141 (11040305)		
3610678.1 | 646.95927 (10081706)	667.46089 (12062423)	662.55107 (10082301)	
644.66221 (11040305)	611.53520 (12080205)		
3610669.1 | 685.41186 (12062423)	678.84858 (12062423)	671.21110 (10082301)	
638.96481 (11040305)	607.10108 (12080205)		
3610660.2 | 696.41740 (12062423)	686.34894 (10082301)	670.83776 (10082301)	
628.82195 (12080205)	599.50740 (12080205)		
3610651.2 | 702.15791 (10082301)	686.08339 (10082301)	667.39660 (11040305)	
630.77214 (12080205)	598.15703 (10111905)		
3610642.3 | 697.34978 (10082301)	677.19442 (11040305)	668.96078 (12080205)	
616.88342 (12080205)	624.90215 (10111905)		
3610633.3 | 688.10548 (10082301)	678.12279 (12080205)	663.79308 (12080205)	
643.85165 (10111905)	638.64905 (10111905)		
3610624.3 | 685.93640 (12080205)	676.57018 (12080205)	656.05769 (10111905)	
660.64095 (10111905)	654.23783 (10061623)		
3610615.4 692.73832 (12080205)	663.97744 (12080205)	678.20831 (10111905)	
677.56438 (10061623)	659.54595 (10061623)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491282.88	491308.18	X-COORD (METERS) 491333.48
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491358.78	491384.08
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3610794.6	508.53577 (12062723)	508.76049 (10081706)	499.34216 (10081706)
451.26464 (12052301)	436.64749 (12052301)		
3610785.6 |	519.74259 (10081706)	512.06060 (10081706)	494.14038 (12052301)
456.59841 (12052301)	445.53641 (12052301)		
3610776.7 |	529.34421 (10081706)	509.21154 (10081706)	504.87091 (12052301)
468.24015 (12052301)	455.26489 (12080802)		
3610767.7 |	538.26137 (10081706)	515.75358 (12052301)	508.66146 (12052301)
478.16469 (12062423)	467.53846 (12080802)		
3610758.7 |	533.32850 (10081706)	530.33976 (12052301)	510.73351 (12062423)
504.91074 (12080802)	488.43068 (11040305)		
3610749.8 |	537.65619 (12052301)	534.89028 (12062423)	512.42501 (12080802)
521.65589 (12080802)	499.85373 (11040305)		
3610740.8 |	549.87713 (12052301)	539.37281 (12062423)	525.99274 (12080802)
529.59036 (11040305)	510.99089 (12080205)		
3610731.9 |	559.07873 (12062423)	544.11227 (12080802)	538.47816 (11040305)
530.57628 (12080205)	514.41433 (12080205)		
3610722.9 |	560.51360 (12080802)	545.85228 (12080802)	549.53901 (11040305)
537.27922 (12080205)	517.22431 (12080205)		
3610713.9 |	575.07621 (12080802)	554.20537 (11040305)	553.73305 (12080205)
542.27172 (12080205)	515.13845 (12080205)		
3610705.0 |	585.89209 (11040305)	556.67561 (12080205)	555.16620 (12080205)
541.08910 (12080205)	518.35019 (10111905)		
3610696.0 |	596.13559 (11040305)	561.34898 (12080205)	549.18291 (12080205)
543.91266 (10111905)	533.59385 (10111905)		
3610687.1 |	606.34128 (12080205)	557.34710 (12080205)	538.16571 (12080205)
569.09805 (10111905)	552.71371 (10111905)		
3610678.1 |	591.92954 (12080205)	553.36741 (12080205)	558.51738 (10111905)
584.10886 (10111905)	583.41121 (10061623)		
3610669.1 |	575.91896 (12080205)	567.45230 (10111905)	575.61001 (10111905)
595.10183 (10061623)	615.79549 (10061623)		
3610660.2 |	569.20882 (10111905)	580.29990 (10111905)	583.17633 (10061623)
598.35635 (10061623)	637.35980 (10061623)		
3610651.2 |	591.86428 (10111905)	589.28301 (10111905)	603.82016 (10061623)
607.18592 (10061623)	657.13353 (11041621)		
3610642.3 |	602.94614 (10111905)	609.36849 (10061623)	605.83309 (10061623)
634.18400 (11041621)	665.51359 (11041621)		
3610633.3 |	614.97648 (10061623)	612.37580 (10061623)	631.11559 (11041621)
647.39962 (11041621)	669.73391 (11041621)		
3610624.3 |	627.33954 (10061623)	627.88101 (11041621)	644.87332 (11041621)
657.41965 (11041621)	663.72856 (11041621)		
3610615.4	641.61268 (11041621)	633.75478 (11041621)	637.99176 (11041621)
662.06811 (11041621)	668.89729 (10082424)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|	X-COORD (METERS)
(METERS)	|	
	|	491409.38

3610794.6	|	428.72941 (12052301)
3610785.6	|	442.36389 (12080802)
3610776.7	|	459.94417 (11040305)
3610767.7	|	481.04704 (11040305)
3610758.7	|	489.41659 (11040305)
3610749.8	|	508.58431 (12080205)
3610740.8	|	521.42916 (12080205)
3610731.9	|	528.52040 (12080205)
3610722.9	|	531.41778 (12080205)
3610713.9	|	542.50775 (10111905)
3610705.0	|	556.23128 (10111905)
3610696.0	|	560.88303 (10111905)
3610687.1	|	571.80956 (10061623)
3610678.1	|	587.74263 (10061623)
3610669.1	|	602.38939 (10061623)
3610660.2	|	632.01126 (11041621)
3610651.2	|	644.26050 (11041621)
3610642.3	|	655.49715 (11041621)
3610633.3	|	651.37327 (11041621)
3610624.3		658.55136 (10082424)

3610615.4 | 667.01789 (10082424)
 *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490964.36	490985.16	491005.96
	491026.76	491047.56	

3610598.0 |	879.02269 (12100221)	846.35916 (10081706)	843.11389 (10081706)
846.26594 (12062423)	843.18096 (12062423)		
3610584.7 |	882.47542 (10081706)	875.58887 (10081706)	890.41336 (12062423)
885.36596 (12062423)	859.14285 (10082301)		
3610571.5 |	896.89163 (10081706)	922.89251 (12062423)	922.74254 (10082301)
878.43104 (10082301)	842.01017 (12090701)		
3610558.3 |	945.96442 (12062423)	954.71439 (10082301)	920.11698 (12090701)
866.63793 (12090701)	825.60825 (12080205)		
3610545.1 |	975.90781 (10082301)	955.29301 (12090701)	891.82680 (12090701)
862.21498 (10061623)	874.18659 (10061623)		
3610531.9 |	979.19946 (12090701)	921.97839 (12090701)	924.53797 (10061623)
911.98020 (10061623)	907.68402 (11041621)		
3610518.7 |	964.43927 (10061623)	971.56561 (10061623)	959.67241 (11041621)
965.29121 (11041621)	949.39858 (11041621)		
3610505.5 |	1033.48809 (10061623)	1012.95834 (11041621)	1004.67358 (11041621)
994.11690 (11041621)	930.58851 (11041621)		
3610492.3 |	1053.05772 (11041621)	1020.57250 (11041621)	985.27020 (11041621)
982.14680 (12082103)	938.38344 (10071502)		

3610479.1	|	1038.70804	(11041621)	997.74225	(12082103)	1003.40301	(10071502)
994.49646		(10071502)	951.04636	(11021319)			
3610465.9	|	1047.28272	(12082103)	1028.38730	(11021319)	1034.06985	(11021319)
996.72578		(11021319)	941.30997	(11021319)			
3610452.6	|	1094.11459	(11021319)	1066.17259	(11021319)	1034.50569	(12080702)
991.46018		(12080702)	974.76088	(12080702)			
3610439.4	|	1100.99592	(12080702)	1080.91884	(12080702)	1070.81832	(11040422)
1011.48797		(11040422)	1007.27006	(11040422)			
3610426.2	|	1144.58228	(11040422)	1096.06973	(11040422)	1069.24090	(11040422)
1015.02507		(11040422)	997.84868	(11082824)			
3610413.0	|	1145.46774	(11040422)	1070.60661	(10101019)	1037.17125	(10101019)
1024.73115		(10101019)	1017.54585	(10101019)			
3610399.8	|	1201.77161	(10021719)	1117.63191	(10021719)	1052.93755	(10021719)
1046.18978		(10021719)	1041.80149	(10021719)			
3610386.6	|	1250.18167	(10021719)	1147.66204	(10021719)	1039.82564	(10021719)
1030.17489		(10021719)	1015.07078	(10021719)			
3610373.4	|	1245.85656	(10122419)	1154.37689	(10122419)	1048.26499	(10122419)
1039.77139		(10122419)	1023.93988	(10122419)			
3610360.2	|	1232.27018	(10111518)	1162.51249	(10111518)	1065.64736	(10111518)
1040.02905		(10111518)	1008.64370	(10111518)			
3610347.0	|	1229.98841	(10032020)	1176.68804	(10032020)	1084.99632	(10032020)
1037.22057		(10032020)	996.94560	(10032020)			
3610333.8		1221.61847	(10032020)	1179.96855	(10032020)	1088.96447	(10032020)
1031.04296		(10032020)	1010.29141	(10032020)			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |

X-COORD (METERS)

(METERS) |	491068.36	491089.16	491109.96
491130.76	491151.56		

3610598.0 |	845.65552 (10082301)	806.25171 (12090701)	763.79489 (12080205)
731.70004 (12080205)	694.43086 (10061623)		
3610584.7 |	831.99137 (12090701)	786.55890 (12080205)	742.04849 (10061623)
769.42461 (10061623)	758.58166 (10061623)		
3610571.5 |	808.23450 (12080205)	793.63452 (10061623)	803.72229 (10061623)
807.24087 (10061623)	783.13869 (11041621)		
3610558.3 |	851.40494 (10061623)	849.51020 (10061623)	833.87683 (10061623)
826.60830 (11041621)	818.01263 (11041621)		
3610545.1 |	885.26919 (10061623)	884.16173 (11041621)	880.58360 (11041621)
850.67604 (11041621)	813.85967 (11041621)		
3610531.9 |	899.32366 (11041621)	888.23563 (11041621)	877.08470 (11041621)
834.05298 (12082103)	832.07277 (12082103)		
3610518.7 |	891.26780 (11041621)	864.14233 (12082103)	865.85380 (12082103)
854.21103 (12082103)	850.80686 (10071502)		
3610505.5 |	897.59662 (12082103)	886.76599 (12082103)	881.10801 (10071502)
868.36937 (11021319)	861.20340 (11021319)		
3610492.3 |	905.25680 (10071502)	897.81426 (11021319)	886.08569 (11021319)
873.56853 (11021319)	847.22621 (11021319)		
3610479.1 |	907.95504 (11021319)	884.06633 (11021319)	863.06358 (12080702)
857.08578 (12080702)	862.17167 (12080702)		
3610465.9 |	912.02324 (12080702)	898.90105 (12080702)	887.08610 (12080702)
874.60731 (11040422)	862.18685 (11040422)		
3610452.6 |	939.71577 (11040422)	920.24506 (11040422)	914.83726 (11040422)
915.13155 (11040422)	876.71884 (11040422)		
3610439.4 |	976.62899 (11040422)	933.31592 (11040422)	901.86682 (11040422)
907.53652 (11082824)	873.14192 (11082824)		
3610426.2 |	972.10993 (11082824)	931.83988 (10101019)	915.14492 (10101019)
933.20424 (10101019)	895.39303 (10101019)		
3610413.0 |	988.59369 (10101019)	949.02249 (10021719)	934.97335 (10021719)
947.64217 (10021719)	923.04472 (10021719)		
3610399.8 |	1015.02260 (10021719)	976.03777 (10021719)	953.74837 (10021719)
948.23147 (10021719)	933.98468 (10021719)		
3610386.6 |	981.09990 (10122419)	953.26202 (10122419)	936.74057 (10122419)
928.45757 (10122419)	935.81726 (10122419)		
3610373.4 |	997.48387 (10122419)	976.03088 (10122419)	955.09902 (10122419)
943.16493 (10122419)	945.51952 (10122419)		
3610360.2 |	986.01177 (10111518)	968.64165 (10111518)	949.40117 (10111518)
937.70317 (10111518)	935.10691 (10111518)		
3610347.0 |	987.21103 (10032020)	963.71876 (10032020)	946.90520 (12040720)
938.43250 (12040720)	933.37576 (12040720)		
3610333.8	1005.37455 (10032020)	986.02175 (10032020)	970.88104 (10032020)
963.31716 (10032020)	959.21544 (10032020)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
	491234.76	491255.56	

3610598.0 |	702.05033 (10061623)	696.35027 (10061623)	688.35186 (10061623)
686.11572	(11041621)	689.51207 (11041621)	
3610584.7 |	716.05932 (10061623)	707.70340 (11041621)	718.85002 (11041621)
723.11217	(11041621)	690.45970 (11041621)	
3610571.5 |	767.38277 (11041621)	742.54215 (11041621)	730.94623 (11041621)
698.91115	(11041621)	705.22006 (10082424)	
3610558.3 |	784.73273 (11041621)	719.37254 (11041621)	706.94868 (12082103)
748.37260	(12082103)	723.55209 (12082103)	
3610545.1 |	777.06825 (12082103)	766.14782 (12082103)	752.86827 (12082103)
763.96381	(10071502)	720.08740 (10071502)	
3610531.9 |	810.61223 (12082103)	781.49200 (10071502)	764.09177 (10071502)
773.61596	(11021319)	748.91994 (11021319)	
3610518.7 |	823.22196 (10071502)	799.70471 (11021319)	780.41580 (11021319)
763.98968	(11021319)	751.47118 (11021319)	
3610505.5 |	828.67489 (11021319)	799.01367 (11021319)	771.71088 (11031921)
765.96853	(12080702)	791.05543 (12080702)	
3610492.3 |	818.94821 (12080702)	813.16079 (12080702)	801.62895 (12080702)
785.33980	(12080702)	797.62937 (11040422)	
3610479.1 |	834.81303 (12080702)	820.98963 (11040422)	818.07535 (11040422)
810.53834	(11040422)	829.89736 (11040422)	
3610465.9 |	873.99361 (11040422)	857.46310 (11040422)	847.01696 (11040422)
817.33937	(11040422)	817.07887 (11040422)	

3610452.6 |	853.88156 (11040422)	848.24738 (11040422)	844.92343 (11082824)
829.31089 (11082824)	813.60898 (11082824)		
3610439.4 |	860.17565 (10101019)	849.86857 (10101019)	859.35311 (10101019)
852.27251 (10101019)	823.62828 (10101019)		
3610426.2 |	875.43826 (10101019)	855.83930 (10101019)	847.08904 (10021719)
845.06984 (10021719)	832.12523 (10021719)		
3610413.0 |	905.40932 (10021719)	881.02868 (10021719)	864.91447 (10021719)
856.09779 (10021719)	842.56526 (10021719)		
3610399.8 |	901.30778 (10021719)	867.89901 (10021719)	854.26161 (10021719)
841.03179 (10021719)	817.96302 (10122419)		
3610386.6 |	904.95945 (10122419)	888.25881 (10122419)	880.92049 (10122419)
863.72706 (10122419)	842.55992 (10122419)		
3610373.4 |	921.08434 (10122419)	896.15426 (10122419)	887.57966 (10111518)
860.49536 (10111518)	845.53628 (10111518)		
3610360.2 |	921.79974 (10061622)	899.56896 (10111518)	876.90945 (10111518)
847.86841 (10061622)	840.06725 (10061622)		
3610347.0 |	915.56559 (12040720)	901.43077 (12040720)	868.60929 (12040720)
833.57565 (12040720)	835.69009 (10061622)		
3610333.8	954.87768 (10032020)	937.65457 (10032020)	907.54873 (10032020)
876.96659 (10032020)	849.26775 (10032020)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491276.36	491297.16	491317.96
491338.76	491359.56		

3610598.0 |	663.23493 (11041621)	638.27018 (11041621)	637.77154 (10082424)
652.07951 (10082424)	666.78203 (12082103)		
3610584.7 |	670.36196 (10082424)	653.95131 (10082424)	646.36361 (12082103)
659.50730 (12082103)	672.21175 (10071502)		
3610571.5 |	698.58093 (12082103)	669.79234 (12082103)	648.87986 (10071502)
664.03410 (10071502)	677.87968 (10071502)		
3610558.3 |	713.83154 (10071502)	683.58268 (10071502)	649.63879 (10071624)
673.42142 (10071624)	699.68649 (10071624)		
3610545.1 |	700.13312 (11021319)	694.69688 (10071624)	665.25086 (10071624)
663.27051 (10071624)	675.07760 (11031921)		
3610531.9 |	707.87949 (11021319)	697.84519 (10071624)	685.70007 (11031921)
692.60005 (11031921)	700.04739 (11031921)		
3610518.7 |	727.22558 (11031921)	695.70346 (12080702)	704.34489 (11031921)
700.10837 (11031921)	768.09113 (12080702)		
3610505.5 |	761.88741 (12080702)	740.48932 (12080702)	696.69969 (12080702)
689.47919 (11040422)	874.40015 (11103019)		
3610492.3 |	774.56719 (11040422)	761.39179 (11040422)	743.69751 (11040422)
712.39712 (11040422)	844.13639 (11103019)		
3610479.1 |	799.58767 (11040422)	782.08233 (11040422)	755.18723 (11040422)
704.80352 (11040422)	762.36811 (11082824)		
3610465.9 |	787.13274 (11082824)	778.60583 (11082824)	760.68723 (11082824)
732.37724 (11082824)	741.96060 (11082824)		
3610452.6 |	801.05278 (10101019)	798.10960 (10101019)	779.01732 (10101019)
750.53005 (10101019)	752.02010 (10101019)		
3610439.4 |	813.34201 (10101019)	802.18603 (10101019)	776.62150 (10101019)
760.63491 (10021719)	743.62399 (10021719)		
3610426.2 |	848.52057 (10021719)	831.87271 (10021719)	809.22853 (10021719)
786.98297 (10021719)	755.77267 (10021719)		
3610413.0 |	837.49026 (10021719)	834.99272 (10021719)	801.70650 (10021719)
776.39162 (10021719)	726.77157 (10021719)		
3610399.8 |	809.67608 (10021719)	798.26358 (10122419)	788.87156 (10122419)
770.78824 (10122419)	719.89538 (10122419)		
3610386.6 |	835.88108 (10122419)	823.05606 (10122419)	807.95063 (10122419)
786.89910 (10122419)	730.29043 (10122419)		
3610373.4 |	838.21713 (10111518)	825.31103 (10111518)	825.32498 (10111518)
784.12598 (10111518)	732.07084 (10111518)		
3610360.2 |	825.64628 (10061622)	818.56514 (10061622)	811.72282 (10061622)
788.47413 (10061622)	729.67364 (10061622)		
3610347.0 |	811.18012 (10061622)	811.50309 (10061622)	805.37917 (10061622)
773.89009 (10081701)	726.62726 (10081701)		
3610333.8	821.26286 (10032020)	818.40731 (10032020)	809.69255 (10032020)
769.03142 (10032020)	722.03318 (10032020)		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)	491380.36	X-COORD (METERS)
---------------------	-----------	------------------

 3610598.0 | 692.58208 (12082103)
 3610584.7 | 700.07625 (10071502)
 3610571.5 | 700.38109 (11021319)
 3610558.3 | 680.42742 (11021319)
 3610545.1 | 655.98117 (11021319)
 3610531.9 | 668.95585 (12080702)
 3610518.7 | 726.14766 (12080702)
 3610505.5 | 774.71107 (11040422)
 3610492.3 | 760.96864 (11040422)
 3610479.1 | 713.95047 (11082824)
 3610465.9 | 695.22410 (11082824)
 3610452.6 | 714.26934 (10101019)
 3610439.4 | 701.35905 (11123018)
 3610426.2 | 675.55337 (11123018)
 3610413.0 | 638.67686 (11041823)
 3610399.8 | 670.00613 (10041721)
 3610386.6 | 708.03664 (10122419)
 3610373.4 | 717.28800 (10111518)
 3610360.2 | 714.98527 (10061622)
 3610347.0 | 714.10226 (10081701)
 3610333.8 | 714.89207 (11011618)

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0001253 , L0001254
, L0001255 , L0001256 , L0001257 ,
L0001258 , L0001259 , L0001260 , L0001261 , L0001262
, L0001263 , L0001264 , L0001265 ,
L0001266 , L0001267 , L0001268 , L0001269 , L0001270
, L0001271 , L0001272 , L0001273 ,
L0001274 , L0001275 , L0001276 , L0001277 , L0001278
, L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491410.15	491360.32	491426.76	491376.93
			491393.54

3610184.5	|	837.24062 (10120403)	809.41518 (10120403)	780.08993 (10120403)
779.13060		(10120403)	753.18971 (10120403)	
3610142.8	|	813.04227 (10090221)	782.71683 (12050723)	775.69005 (12050723)
746.94233		(12050723)	733.54462 (10062422)	
3610101.2	|	808.14634 (11062622)	791.39135 (11091121)	789.30368 (11091121)
757.17191		(11091121)	744.44299 (11091121)	
3610059.6	|	805.36064 (12022520)	797.27337 (12042821)	802.58747 (12042821)
783.89681		(12042821)	762.04538 (12042821)	
3610018.0	|	800.69029 (10033124)	794.04266 (10033124)	770.22032 (10033124)
751.18816		(12022520)	743.29425 (12022520)	
3609976.4	|	771.80822 (10033101)	757.94971 (10033101)	755.34888 (10071423)
758.01755		(10032320)	738.07429 (10032320)	
3609934.8	|	728.51311 (12120619)	731.40021 (11032521)	713.26215 (11032521)
708.96264		(10033101)	709.42962 (10033101)	
3609893.2	|	675.67692 (10030420)	676.28406 (12120619)	708.73607 (12120619)
720.29611		(12120619)	701.19225 (12120619)	
3609851.6	|	653.39845 (10030420)	666.69875 (10030420)	686.01570 (10030420)
677.78042		(10030420)	653.14771 (10030420)	
3609810.0	|	644.76912 (10040120)	617.33060 (10040120)	619.68569 (10040120)
604.57752		(10040120)	641.64219 (10030420)	
3609768.4	|	607.49215 (10082423)	578.94609 (10082423)	586.59643 (10040120)
595.46367		(10040120)	602.94789 (10040120)	
3609726.7	|	589.29202 (10041824)	598.76335 (10082423)	594.51243 (10082423)
581.80123		(10082423)	559.67074 (10082423)	
3609685.1	|	628.48728 (10013119)	614.04566 (10013119)	589.31846 (10013119)

556.91764 (10013119)	561.93840 (10082423)		
3609643.5 | 584.47079 (10090921)	599.40621 (11111520)	615.14803 (10013119)	
603.18977 (10013119)	590.02723 (10013119)		
3609601.9 | 573.58941 (12041421)	579.29323 (12041421)	569.21755 (11111520)	
579.42137 (11111520)	582.25200 (10013119)		
3609560.3 | 578.19703 (11112103)	553.44044 (11050401)	557.15287 (12041421)	
561.40157 (12041421)	551.13792 (11111520)		
3609518.7 | 574.62194 (11102120)	566.24015 (11112103)	559.49183 (10041824)	
540.92763 (10041824)	535.11084 (12041421)		
3609477.1 | 585.49943 (11111520)	574.24518 (11111520)	550.46335 (11102120)	
545.46539 (11112103)	545.97018 (10041824)		
3609435.5 | 547.43168 (12041421)	534.57084 (11091122)	560.74361 (11111520)	
564.76141 (11111520)	543.43216 (11111520)		
3609393.9 | 527.93416 (11050401)	539.55863 (12041421)	537.51480 (12041421)	
521.12993 (11091122)	539.08411 (11111520)		
3609352.2 520.82043 (10030321)	516.67546 (11050401)	519.02706 (11050401)	
527.20816 (12041421)	525.87956 (12041421)		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491443.37	491459.98	491476.59
491493.20	491509.81		

3610184.5 |	718.72072 (10052921)	684.97065 (11042322)	640.25265 (11042322)
613.91855 (11070123)	620.26171 (11070123)		

3610142.8 |	730.38721 (10062422)	705.58246 (10062422)	693.42994 (10062422)
626.49353 (10062422)	645.51893 (10062422)		
3610101.2 |	743.11990 (11091121)	714.73183 (11083021)	704.03117 (11083021)
640.47944 (11083021)	639.00664 (12050723)		
3610059.6 |	724.85869 (12042821)	711.42282 (12042821)	705.03707 (11062622)
705.01964 (11062622)	645.92887 (11062622)		
3610018.0 |	727.39681 (12022520)	719.81506 (12022520)	692.43002 (12022520)
694.07763 (12042821)	676.02104 (12042821)		
3609976.4 |	722.49873 (10033124)	707.85485 (10033124)	694.12375 (10033124)
677.74086 (11051223)	667.64525 (11051223)		
3609934.8 |	706.52940 (10033101)	696.03706 (10033101)	689.98101 (12011919)
677.49501 (12011919)	661.11453 (10032320)		
3609893.2 |	687.30128 (11032521)	681.38478 (11032521)	671.35959 (11032521)
648.25898 (11071724)	653.14386 (10033101)		
3609851.6 |	634.44547 (12120101)	646.99899 (12120619)	663.24388 (12120619)
663.62364 (12120619)	651.48926 (11032521)		
3609810.0 |	661.49082 (10030420)	656.09386 (10030420)	641.95102 (10030420)
613.15382 (10030420)	603.63702 (12120101)		
3609768.4 |	597.22458 (10040120)	595.70465 (10040120)	592.58349 (10030420)
623.74842 (10030420)	635.45737 (10030420)		
3609726.7 |	555.19517 (10040120)	572.76463 (10040120)	581.57082 (10040120)
591.84017 (10040120)	585.08455 (10040120)		
3609685.1 |	568.31395 (10082423)	566.09905 (10082423)	549.83018 (10082423)
530.33283 (10082423)	554.25957 (10040120)		
3609643.5 |	574.58283 (10013119)	550.52390 (10013119)	549.64671 (10082423)
557.60441 (10082423)	553.90023 (10082423)		
3609601.9 |	596.10836 (10013119)	590.40781 (10013119)	573.45868 (10013119)
550.67653 (10013119)	519.11184 (10013119)		
3609560.3 |	558.83426 (11111520)	555.43931 (10090921)	547.77593 (10013119)
554.49553 (10013119)	546.03574 (10013119)		
3609518.7 |	536.34390 (12041421)	526.59545 (11111520)	532.08731 (11111520)
524.94185 (11111520)	515.33568 (10090921)		
3609477.1 |	535.12664 (10041824)	515.10418 (12041421)	512.27434 (12041421)
503.77666 (11111520)	510.16024 (11111520)		
3609435.5 |	523.23406 (11112103)	526.85329 (10041824)	523.34808 (10041824)
505.28334 (10041824)	491.09098 (12041421)		
3609393.9 |	545.85802 (11111520)	541.74890 (11111520)	516.79348 (11111520)
508.90893 (10041824)	501.51781 (10041824)		
3609352.2	507.11517 (12041421)	520.69000 (11111520)	532.12570 (11111520)
527.88450 (11111520)	509.84389 (11111520)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491526.42	491543.03	491559.64
491576.25	491592.86		

3610184.5 |	617.67131 (11070123)	598.67975 (11070123)	564.15210 (10102206)
533.24491 (10102206)	502.36265 (10102206)		
3610142.8 |	639.00580 (10062422)	602.19693 (12080723)	572.10760 (12080723)
555.12680 (12080723)	540.23428 (10012920)		
3610101.2 |	629.79859 (12050723)	633.33405 (12050723)	588.78050 (12050723)
550.41880 (12050723)	528.66347 (11050523)		
3610059.6 |	616.07581 (11062622)	625.42955 (11091121)	599.70605 (11091121)
571.48645 (11082324)	553.21565 (11083021)		
3610018.0 |	644.08912 (12042821)	607.34853 (12042821)	589.91977 (12042821)
564.16608 (10080222)	549.60043 (11062622)		
3609976.4 |	627.64779 (11051223)	589.22049 (12022520)	585.54325 (12022520)
576.74583 (12022520)	558.93020 (12042821)		
3609934.8 |	642.06631 (10032320)	625.16974 (10033124)	618.76844 (10033124)
604.93269 (10033124)	593.61497 (11051223)		
3609893.2 |	650.38749 (10033101)	629.46144 (12011919)	628.55499 (12011919)
619.17840 (12011919)	600.13883 (10032320)		
3609851.6 |	659.52640 (11032521)	641.81815 (11032521)	633.41752 (11071724)
627.48694 (11071724)	626.85776 (10033101)		
3609810.0 |	620.25593 (12120619)	639.44967 (12120619)	645.41146 (12120619)
637.63776 (12120619)	636.26252 (11032521)		
3609768.4 |	637.70735 (10030420)	632.71235 (10030420)	605.28376 (10030420)
581.41345 (12120101)	591.41190 (12120101)		
3609726.7 |	571.48111 (10040120)	585.16177 (10030420)	606.81659 (10030420)
615.04984 (10030420)	604.13960 (10030420)		
3609685.1 |	562.24840 (10040120)	581.65997 (10040120)	572.19999 (10040120)
547.47622 (10040120)	525.12776 (10040120)		
3609643.5 |	530.33457 (10082423)	532.35384 (10082423)	529.14899 (10040120)
540.27641 (10040120)	546.66007 (10040120)		
3609601.9 |	513.94945 (10082423)	549.79416 (10082423)	542.67768 (10082423)

525.06983 (10082423)	505.90777 (10082423)		
3609560.3 | 526.29848 (10013119)	524.02671 (10013119)	519.84549 (10073123)	
517.63454 (10073122)	520.17574 (10073122)		
3609518.7 | 518.21869 (10013119)	522.48988 (10013119)	535.17810 (10101020)	
516.76749 (10013119)	509.74563 (10073123)		
3609477.1 | 505.32539 (11111520)	505.09078 (10090921)	522.56224 (10090921)	
517.74450 (10101020)	525.68312 (10101020)		
3609435.5 | 483.82633 (11111520)	492.93123 (11111520)	489.91037 (11111520)	
487.11643 (11052522)	504.03541 (10090921)		
3609393.9 | 492.77268 (10041824)	478.10529 (10041824)	473.05891 (11111520)	
473.23203 (11111520)	483.17295 (10091101)		
3609352.2 479.32155 (11111520)	476.18485 (10041824)	476.33421 (10041824)	
469.02022 (10041824)	476.93976 (11091821)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491609.47	491626.08	491642.69
	491659.30	491675.91	

3610184.5 |	493.98174 (10101707)	486.35994 (10101707)	463.66702 (10101707)
456.56306 (10102205)	456.68769 (10102205)		
3610142.8 |	521.17150 (10012920)	494.96691 (10012920)	475.14055 (10012920)
467.31991 (10012920)	464.78246 (10012920)		
3610101.2 |	513.45725 (11050523)	502.86832 (10111904)	479.09018 (10111904)
466.81371 (10111904)	459.47513 (10111904)		

3610059.6 |	538.58148 (11083021)	514.59042 (11083021)	467.19676 (10101703)
445.83877 (10101703)	440.43058 (10101703)		
3610018.0 |	546.71102 (11062622)	533.07227 (11062622)	488.26765 (11062622)
463.32781 (11062622)	449.88750 (11082324)		
3609976.4 |	553.75230 (12042821)	551.33201 (12042821)	551.96929 (12042821)
548.29026 (12042821)	526.22525 (12042821)		
3609934.8 |	585.05017 (11051223)	570.97129 (11051223)	561.43301 (12022520)
544.73347 (12022520)	531.44450 (12022520)		
3609893.2 |	601.48843 (10032320)	588.38826 (10032320)	591.46893 (10033124)
576.24238 (10033124)	555.23372 (10033124)		
3609851.6 |	607.22888 (10033101)	588.51814 (10033101)	588.92969 (12011919)
575.36321 (12011919)	555.22209 (12011919)		
3609810.0 |	612.25303 (11032521)	584.40398 (11032521)	569.01779 (11071724)
555.38479 (11071724)	547.77610 (10033101)		
3609768.4 |	583.28456 (12120101)	584.12702 (12120619)	556.24739 (12120619)
540.56675 (11032521)	541.97848 (11032521)		
3609726.7 |	597.03844 (10030420)	569.03688 (10030420)	541.99616 (11081622)
530.20859 (12120101)	519.24196 (12120101)		
3609685.1 |	549.06188 (11022504)	541.06728 (10030420)	539.01614 (10030420)
521.63730 (10030420)	496.95709 (10030420)		
3609643.5 |	550.00108 (11010719)	538.77601 (11010719)	515.22338 (11010719)
500.40754 (11022504)	487.08443 (11022504)		
3609601.9 |	494.39189 (10082423)	501.10070 (10073122)	510.77786 (11010719)
510.29731 (11010719)	497.51209 (11010719)		
3609560.3 |	521.82831 (10073122)	516.05273 (10073122)	503.42293 (10073122)
489.41204 (10073122)	472.76405 (10073122)		
3609518.7 |	495.83849 (10073123)	491.66589 (10073123)	479.68199 (10073122)
485.10889 (10073122)	493.41011 (10073122)		
3609477.1 |	514.38644 (10101020)	497.89680 (10101020)	495.10862 (10073123)
490.15739 (10073123)	479.33105 (10073123)		
3609435.5 |	510.96396 (10090921)	515.43922 (10101020)	506.26178 (10101020)
496.29082 (10101020)	469.79826 (10013119)		
3609393.9 |	481.62283 (11052522)	476.26102 (10090921)	482.45850 (10090921)
474.82975 (10090921)	471.98547 (10090921)		
3609352.2	471.66786 (10091101)	469.42593 (10091101)	466.57833 (11052522)
463.05234 (11052522)	452.30565 (10041824)		

^ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,

, L0001271 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
 (METERS) | 491692.52

 3610184.5 | 433.73144 (10102205)
 3610142.8 | 455.44453 (10012920)
 3610101.2 | 451.11653 (10111904)
 3610059.6 | 456.02582 (10101703)
 3610018.0 | 463.53236 (11082324)
 3609976.4 | 511.62011 (10080222)
 3609934.8 | 500.77951 (12022520)
 3609893.2 | 546.53654 (11051223)
 3609851.6 | 542.19163 (10032320)
 3609810.0 | 537.03644 (10033101)
 3609768.4 | 529.06864 (11032521)
 3609726.7 | 508.39061 (12120619)
 3609685.1 | 484.63643 (10030420)
 3609643.5 | 471.18960 (10030420)
 3609601.9 | 484.65442 (11010719)
 3609560.3 | 478.21839 (11010719)
 3609518.7 | 469.85349 (10073122)
 3609477.1 | 472.26901 (10073123)
 3609435.5 | 483.38346 (10073123)
 3609393.9 | 461.84135 (10101020)
 3609352.2 | 452.20192 (10041824)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 298

*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262

, L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	1034.68471	(10120403)	491278.96
3610288.22	845.96319	(10030323)		
491317.19	3610288.22	831.60246	(10030323)	491355.42
3610288.22	786.86913	(10030323)		
491393.65	3610342.70	700.18015	(10081701)	491431.88
3610342.70	648.70761	(10081701)		
491470.11	3610342.70	623.17638	(10081701)	491508.34
3610342.70	589.16382	(10081701)		
491546.57	3610342.70	553.46426	(10081701)	491584.80
3610342.70	487.51097	(12062724)		
491623.03	3610342.70	457.40027	(12062724)	491508.34
3610397.18	536.11254	(10041721)		
491546.57	3610397.18	502.77482	(10041721)	491584.80
3610397.18	477.50770	(10072222)		
491623.03	3610397.18	453.66934	(10072222)	491508.34
3610451.66	526.54361	(12031203)		
491546.57	3610451.66	498.59996	(12031203)	491584.80
3610451.66	485.95313	(12031203)		
491623.03	3610451.66	454.33308	(11072701)	491508.34
3610506.14	551.95483	(11040422)		
491546.57	3610506.14	506.11821	(11082824)	491584.80
3610506.14	493.99469	(11082824)		
491623.03	3610506.14	459.37260	(11082824)	491508.34
3610560.62	555.95512	(12090424)		
491546.57	3610560.62	522.31505	(12080702)	491584.80
3610560.62	499.05232	(12080702)		
491623.03	3610560.62	476.40961	(10080224)	491087.81
3610615.10	803.67012	(10082301)		
491126.04	3610615.10	746.70424	(12090701)	491508.34
3610615.10	516.88875	(10071502)		
491546.57	3610615.10	520.41060	(10101721)	491584.80
3610615.10	489.17413	(10101721)		
491623.03	3610615.10	447.12275	(10101721)	491087.81
3610669.58	686.63392	(10081706)		

491126.04	3610669.58	682.20444	(10081706)	491508.34
3610669.58	492.96220	(10081723)		
491546.57	3610669.58	508.60521	(10082424)	491584.80
3610669.58	493.19956	(12082103)		
491623.03	3610669.58	487.53469	(12082103)	491546.57
3610724.06	464.97968	(10061623)		
491584.80	3610724.06	424.69185	(11041621)	491623.03
3610724.06	409.68780	(10081723)		
491546.57	3610778.54	456.04914	(12080205)	491584.80
3610778.54	462.03283	(10111905)		
491623.03	3610778.54	396.09254	(10111905)	490934.89
3610833.02	568.65342	(12063003)		
490973.12	3610833.02	575.68632	(12062424)	491011.35
3610833.02	559.56955	(12060824)		
491049.58	3610833.02	564.36838	(12090522)	491087.81
3610833.02	576.45126	(10040821)		
491126.04	3610833.02	566.14172	(11010619)	491164.27
3610833.02	530.91309	(12060823)		
491202.50	3610833.02	517.28927	(10061223)	491240.73
3610833.02	495.64522	(10061223)		
491278.96	3610833.02	491.58653	(12090323)	491317.19
3610833.02	483.51734	(12062723)		
491355.42	3610833.02	452.57476	(12062723)	491393.65
3610833.02	429.74563	(10081706)		
491431.88	3610833.02	427.52779	(12052301)	491470.11
3610833.02	427.85466	(12052301)		
491508.34	3610833.02	395.87576	(12080802)	491546.57
3610833.02	408.27200	(10101704)		
491584.80	3610833.02	438.47450	(12080205)	491623.03
3610833.02	397.56718	(12080205)		
490934.89	3610887.50	548.81385	(12060901)	490973.12
3610887.50	544.22711	(12060622)		
491011.35	3610887.50	536.84870	(12060824)	491049.58
3610887.50	503.96286	(12060824)		
491087.81	3610887.50	518.09941	(12090522)	491126.04
3610887.50	550.34766	(10040821)		
491164.27	3610887.50	533.86762	(11010619)	491202.50
3610887.50	483.46780	(11041622)		
491240.73	3610887.50	459.78414	(12060823)	491278.96
3610887.50	445.85058	(10061223)		
491317.19	3610887.50	434.50455	(10061223)	491355.42
3610887.50	423.27048	(12090323)		
491393.65	3610887.50	395.77385	(12062723)	491431.88
3610887.50	407.40360	(12062723)		
491470.11	3610887.50	387.47698	(10081706)	491508.34
3610887.50	376.64728	(12052301)		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	369.41355	(12052301)	491584.80
3610887.50	356.20650	(12052301)		
491623.03	3610887.50	352.77926	(10101704)	490858.43
3610941.98	611.67327	(12060624)		
490896.66	3610941.98	550.98481	(12052023)	490934.89
3610941.98	512.77865	(11021520)		
490973.12	3610941.98	481.79807	(12063003)	491011.35
3610941.98	481.17985	(12062424)		
491049.58	3610941.98	510.39088	(12060824)	491087.81
3610941.98	486.17494	(12060824)		
491126.04	3610941.98	522.54440	(12090522)	491164.27
3610941.98	502.99407	(10040821)		
491202.50	3610941.98	483.82522	(11010619)	491240.73
3610941.98	403.63423	(12052822)		
491278.96	3610941.98	414.43075	(12060823)	491317.19
3610941.98	406.67783	(10061723)		
491355.42	3610941.98	402.25582	(10061223)	491393.65
3610941.98	380.38805	(12090323)		
491431.88	3610941.98	380.51587	(12090323)	491470.11
3610941.98	356.57765	(12062723)		
491508.34	3610941.98	347.93613	(12062723)	491546.57
3610941.98	339.74262	(10081706)		
491584.80	3610941.98	329.50692	(10081706)	491623.03
3610941.98	338.05877	(12052301)		
490858.43	3610996.46	578.27742	(12060624)	490896.66

3610996.46	517.59142	(12052023)		
490934.89	3610996.46	481.06064	(11021520)	490973.12
3610996.46	424.51465	(12060901)		
491011.35	3610996.46	467.37045	(12060622)	491049.58
3610996.46	480.20370	(12062424)		
491087.81	3610996.46	500.19869	(12060824)	491126.04
3610996.46	453.29498	(12060824)		
491164.27	3610996.46	466.61527	(12090522)	491202.50
3610996.46	428.75090	(10092320)		
491240.73	3610996.46	414.44697	(11010619)	491278.96
3610996.46	394.62369	(12052822)		
491317.19	3610996.46	385.60691	(12060823)	491355.42
3610996.46	380.98050	(12060823)		
491393.65	3610996.46	361.50636	(11031623)	491431.88
3610996.46	339.41392	(10061223)		
491470.11	3610996.46	330.26441	(12090323)	491508.34
3610996.46	322.18116	(12090323)		
491546.57	3610996.46	326.91178	(12062723)	491584.80
3610996.46	315.43082	(12062723)		
491623.03	3610996.46	318.11754	(12062723)	490858.43
3611050.94	511.15054	(12060624)		
490896.66	3611050.94	427.87658	(12090703)	490934.89
3611050.94	420.71466	(11033121)		
490973.12	3611050.94	432.47303	(11021520)	491011.35
3611050.94	408.74362	(12063003)		
491049.58	3611050.94	457.72340	(12060622)	491087.81
3611050.94	461.88122	(12062424)		
491126.04	3611050.94	464.92306	(12060824)	491164.27
3611050.94	402.51549	(12090522)		
491202.50	3611050.94	422.12380	(12090522)	491240.73
3611050.94	401.82391	(10092320)		
491278.96	3611050.94	384.90770	(11010619)	491317.19
3611050.94	351.43905	(12052822)		
491355.42	3611050.94	338.13701	(12060823)	491393.65
3611050.94	337.17515	(12060823)		
491431.88	3611050.94	324.89273	(11082603)	491470.11
3611050.94	297.81786	(11031623)		
491508.34	3611050.94	289.96105	(10061223)	491546.57
3611050.94	289.17086	(12090323)		
491584.80	3611050.94	301.40640	(12090323)	491623.03
3611050.94	293.56973	(12062723)		
490858.43	3611105.42	468.52127	(12060624)	490896.66
3611105.42	416.40955	(12060624)		
490934.89	3611105.42	412.58268	(12052023)	490973.12
3611105.42	398.57712	(11021520)		
491011.35	3611105.42	386.79346	(12060901)	491049.58
3611105.42	455.42552	(12063003)		
491087.81	3611105.42	460.30377	(12062424)	491126.04
3611105.42	430.83875	(12060824)		
491164.27	3611105.42	428.74760	(12060824)	491202.50

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3611105.42      384.12202 (12090522)
                491240.73 3611105.42      400.30100 (12090522)      491278.96
3611105.42      362.30529 (10092320)
                491317.19 3611105.42      351.48041 (11010619)      491355.42
3611105.42      324.38367 (11010619)
^ *** AERMOD - VERSION 22112 ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati ***      10/01/23
*** AERMET - VERSION 22112 ***   ***
***                                06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE ***
                        INCLUDING SOURCE(S):  L0001253 , L0001254
, L0001255      , L0001256      , L0001257      ,
                L0001258      , L0001259      , L0001260      , L0001261      , L0001262
, L0001263      , L0001264      , L0001265      ,
                L0001266      , L0001267      , L0001268      , L0001269      , L0001270
, L0001271      , L0001272      , L0001273      ,
                L0001274      , L0001275      , L0001276      , L0001277      , L0001278
, L0001279      , L0001280      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491393.65	3611105.42	306.02334 (12060823)	491431.88
3611105.42	291.45937 (12060823)		
491470.11	3611105.42	290.37777 (11082603)	491508.34
3611105.42	263.61843 (11031623)		
491546.57	3611105.42	265.02234 (12081902)	491584.80
3611105.42	271.19286 (10061223)		
491623.03	3611105.42	260.75069 (12090323)	490858.43
3611159.90	449.59383 (12080824)		
490896.66	3611159.90	414.60757 (12060624)	490934.89
3611159.90	392.82603 (12052023)		
490973.12	3611159.90	390.61410 (11021520)	491011.35
3611159.90	408.62370 (12060901)		
491049.58	3611159.90	433.69180 (12063003)	491087.81
3611159.90	426.17602 (12060622)		
491126.04	3611159.90	423.42214 (12062424)	491164.27
3611159.90	414.98490 (12060824)		

491202.50	3611159.90	377.92801	(12060824)	491240.73
3611159.90	334.37234	(12090522)		
491278.96	3611159.90	343.98676	(12090522)	491317.19
3611159.90	318.81610	(10092320)		
491355.42	3611159.90	314.09759	(11010619)	491393.65
3611159.90	291.36025	(11010619)		
491431.88	3611159.90	270.78898	(12060823)	491470.11
3611159.90	257.24776	(12060823)		
491508.34	3611159.90	248.13077	(11082603)	491546.57
3611159.90	249.19133	(11082603)		
491584.80	3611159.90	249.98290	(12081902)	491623.03
3611159.90	233.13110	(12081902)		
490858.43	3611214.38	413.92720	(12080824)	490896.66
3611214.38	387.00734	(12060624)		
490934.89	3611214.38	373.48145	(12052023)	490973.12
3611214.38	370.48308	(11033121)		
491011.35	3611214.38	431.74980	(11021520)	491049.58
3611214.38	391.71355	(12063003)		
491087.81	3611214.38	407.47002	(12063003)	491126.04
3611214.38	420.23210	(12060622)		
491164.27	3611214.38	383.65313	(12062424)	491202.50
3611214.38	363.14805	(12060824)		
491240.73	3611214.38	327.45253	(12060824)	491278.96
3611214.38	288.03679	(12090522)		
491317.19	3611214.38	295.23066	(12090522)	491355.42
3611214.38	263.08778	(10101606)		
491393.65	3611214.38	275.49002	(11010619)	491431.88
3611214.38	263.96821	(11010619)		
491470.11	3611214.38	234.52498	(12060823)	491508.34
3611214.38	235.34067	(12060823)		
491546.57	3611214.38	232.54360	(11082603)	491584.80
3611214.38	222.85975	(11082603)		
491623.03	3611214.38	211.51249	(11082603)	490858.43
3611268.86	381.39550	(12080824)		
490896.66	3611268.86	362.80736	(12060624)	490934.89
3611268.86	336.57042	(12090703)		
490973.12	3611268.86	354.71083	(11033121)	491011.35
3611268.86	382.17616	(11021520)		
491049.58	3611268.86	381.38927	(12060901)	491087.81
3611268.86	385.63454	(12063003)		
491126.04	3611268.86	385.03225	(12060622)	491164.27
3611268.86	373.13704	(12062424)		
491202.50	3611268.86	330.55796	(12060824)	491240.73
3611268.86	316.11439	(12060824)		
491278.96	3611268.86	266.10440	(12060824)	491317.19
3611268.86	262.63328	(12090522)		
491355.42	3611268.86	262.58368	(12090522)	491393.65
3611268.86	250.11872	(10101606)		
491431.88	3611268.86	247.69448	(11010619)	491470.11
3611268.86	236.09866	(11010619)		

491508.34	3611268.86	219.19295	(12090624)	491546.57
3611268.86	217.30011	(12060823)		
491584.80	3611268.86	206.23507	(10061723)	491623.03
3611268.86	185.22389	(10100103)		
490858.43	3611323.34	371.68605	(12080824)	490896.66
3611323.34	351.91602	(12060624)		
490934.89	3611323.34	320.30528	(12090703)	490973.12
3611323.34	346.81789	(12052023)		
491011.35	3611323.34	351.01450	(11021520)	491049.58
3611323.34	351.81516	(11021520)		
491087.81	3611323.34	345.26592	(12063003)	491126.04
3611323.34	362.78624	(12063003)		
491164.27	3611323.34	352.84329	(12060622)	491202.50
3611323.34	326.77385	(12062424)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
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 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	294.48900	(12060824)	491278.96
3611323.34	275.82277	(12060824)		
491317.19	3611323.34	248.54822	(12060824)	491355.42
3611323.34	239.08642	(12090522)		
491393.65	3611323.34	239.29317	(12090522)	491431.88
3611323.34	216.54596	(10101606)		
491470.11	3611323.34	215.33012	(11010619)	491508.34

3611323.34	204.71134	(11010619)			
	491546.57	3611323.34	192.52783	(12050304)	491584.80
3611323.34	182.96861	(12050304)			
	491623.03	3611323.34	165.76258	(10032304)	491583.40
3608705.27	361.21870	(11040421)			
	491577.37	3608727.37	357.69432	(11050423)	491573.36
3608753.50	360.81750	(12070901)			
	491562.30	3608782.64	376.60429	(12070901)	491565.32
3608775.60	372.22069	(12070901)			
	491547.23	3608819.81	381.33857	(12070901)	491545.22
3608840.91	383.63917	(12070901)			
	491533.16	3608877.09	396.03173	(11040421)	491524.12
3608898.19	403.00001	(11040421)			
	491522.11	3608915.27	401.99356	(11040421)	491520.10
3608925.32	400.94631	(11040421)			
	491511.06	3608945.41	406.62593	(11040421)	491507.04
3608961.49	409.09740	(11040421)			
	491499.00	3608982.59	411.98236	(11040421)	491498.00
3608992.64	408.67055	(11040421)			
	491490.96	3609007.71	411.21505	(11040421)	491484.93
3609030.82	418.79815	(11091122)			
	491478.91	3609048.91	433.81362	(11091122)	491470.87
3609072.02	441.01516	(11091122)			
	491461.82	3609094.12	441.38661	(11091122)	491450.77
3609114.22	448.09944	(11091122)			
	491449.77	3609129.29	450.17393	(11102120)	491443.74
3609145.37	457.54182	(11102120)			
	491439.72	3609164.46	467.48063	(11102120)	491434.69
3609178.52	477.51171	(11102120)			
	491424.65	3609198.62	485.44664	(11102120)	491418.62
3609216.71	481.21132	(11102120)			
	491414.60	3609231.78	486.41600	(11112103)	491409.57
3609244.84	493.57037	(11112103)			
	491398.52	3609273.98	506.07838	(11112103)	491397.52
3609289.05	503.80916	(11112103)			
	491388.47	3609312.16	500.69760	(11112103)	491383.45
3609329.24	510.80362	(10030321)			
	491377.42	3609354.36	518.13897	(11050401)	491374.41
3609371.44	523.98459	(11050401)			
	491361.34	3609405.61	536.32563	(12041421)	491355.32
3609423.69	548.01012	(12041421)			
	491340.24	3609470.92	545.82852	(12041421)	491324.17
3609526.18	605.72900	(11111520)			
	491329.19	3609504.08	582.12723	(11111520)	491314.12
3609546.28	607.08171	(11111520)			
	491302.06	3609575.42	595.63588	(11091122)	491296.03
3609594.51	611.95025	(11102120)			
	491286.99	3609618.62	626.71436	(11102120)	491279.96
3609632.69	633.79464	(11102120)			
	491274.93	3609648.77	640.26838	(11102120)	491269.91

3609666.85	643.27720	(11112103)			
491264.88	3609679.92	648.60846	(11112103)		491259.86
3609700.01	650.35618	(11112103)			
491269.76	3609874.49	701.22015	(10040120)		491098.46
3610169.21	1092.96187	(12042821)			
491115.74	3610172.91	1087.08132	(12042821)		491105.25
3610150.69	1146.30773	(12022520)			
491109.57	3610134.65	1154.30745	(10033124)		491108.33
3610125.39	1139.15137	(10033124)			
491113.27	3610114.29	1105.02702	(10032320)		491118.82
3610099.48	1065.38519	(10033101)			
491122.52	3610087.75	1045.29539	(10033101)		491127.46
3610070.47	1031.58094	(11032521)			
491131.78	3610051.96	1059.76996	(12120619)		491136.72
3610040.85	1021.77390	(12120619)			
491138.57	3610034.07	963.38534	(12120619)		491139.80
3610021.73	914.91139	(11042621)			
491157.08	3610005.06	905.59592	(11042621)		491166.95
3609998.89	887.28102	(11042621)			
491178.68	3609984.70	832.39576	(10030420)		491174.98
3609963.10	761.08544	(10040120)			
491184.23	3609965.57	764.03940	(10030420)		491176.21
3609942.12	751.77439	(10040120)			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: IDLE ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

491184.23	3609944.59	745.26246	(10040120)	491179.91
3609920.53	699.13107	(10041824)		
491191.64	3609922.99	716.00755	(10040120)	491189.17
3609903.25	712.92160	(10041824)		
491198.42	3609906.95	696.35410	(10040120)	491194.72
3609882.27	727.20681	(11111520)		
491205.83	3609887.20	676.36953	(10041824)	491200.89
3609866.84	714.15482	(11111520)		
491205.83	3609849.56	721.02554	(11111520)	491212.62
3609864.99	691.79937	(11111520)		
491303.94	3609929.78	733.71416	(11042621)	491267.54
3609903.25	689.22445	(10040120)		
491277.41	3609879.18	699.39938	(10040120)	491324.31
3609896.46	739.08490	(11042621)		
491135.48	3610120.46	1093.70472	(10033124)	491124.99
3610139.59	1117.94288	(12022520)		
491130.55	3610141.44	1108.17466	(12022520)	491142.89
3610145.14	1070.97545	(12042821)		
491165.10	3610151.31	1062.96918	(12042821)	491172.51
3610156.25	1032.61481	(12042821)		
491183.00	3610155.01	1008.62571	(12042821)	491190.40
3610158.72	989.89415	(11091121)		
491197.81	3610138.97	1018.03387	(12042821)	491162.02
3610130.33	1058.87281	(12022520)		
491150.91	3610113.67	1068.75585	(10033124)	491164.49
3610115.52	1032.15865	(10033124)		
491178.06	3610123.54	1035.48356	(12022520)	491189.17
3610125.39	1008.56703	(12022520)		
491197.81	3610126.63	1001.47611	(12042821)	491158.93
3610084.05	1014.31832	(10071423)		
491175.59	3610088.37	1021.02361	(10032320)	491188.55
3610090.84	1006.47521	(10033124)		
491202.13	3610096.39	986.75068	(10033124)	491252.11
3610069.86	905.84368	(10033124)		
491240.39	3610095.77	934.77189	(12022520)	491232.36
3610128.48	945.28740	(12042821)		
491220.02	3610152.55	948.71968	(11091121)	491213.85
3610179.70	940.75675	(10082604)		
491204.60	3610206.85	981.18869	(10120403)	491297.77
3610095.16	893.30748	(12042821)		
491316.29	3610102.56	848.92185	(12042821)	491271.24
3610169.21	875.80633	(10090221)		
491296.54	3610170.44	820.83618	(12050723)	491224.34
3609806.98	696.20609	(10013119)		
491232.36	3609786.00	678.27124	(12041421)	491240.39
3609769.96	669.15772	(12041421)		
491245.94	3609753.92	657.63306	(12041421)	491250.26
3609731.08	643.27576	(11112103)		

491255.20	3609716.89	646.53832	(11112103)	491354.41
3609557.94	584.59434	(11112103)		
491349.69	3609575.67	587.93484	(11112103)	491331.95
3609630.05	588.80071	(11050401)		
491310.67	3609696.25	623.60264	(10090921)	491301.22
3609737.63	656.11987	(10013119)		
491289.40	3609771.91	649.94043	(11111520)	491276.39
3609801.46	640.56066	(11111520)		
491310.67	3609805.01	616.21642	(10082423)	492077.18
3610785.74	223.76919	(12060306)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490903.38	490928.68	490953.98
490979.28	491004.58		

3610794.6 |	543.18071 (12062424)	558.41657 (12060824)	545.35867 (12060824)
556.90553	(12090522)	567.83922 (12090522)	
3610785.6 |	538.08508 (12062424)	565.34196 (12060824)	537.98817 (12060824)
573.42290	(12090522)	575.68727 (10040821)	
3610776.7 |	549.28487 (12062424)	580.92239 (12060824)	544.51763 (12090522)
586.22961	(12090522)	591.66849 (11010619)	
3610767.7 |	568.90771 (12062424)	535.04064 (12060824)	548.13943 (12090522)
587.39257	(12090522)	609.30967 (11010619)	
3610758.7 |	549.68505 (12062424)	557.43872 (12060824)	589.06658 (12090522)

581.63839 (10040821)	602.58776 (10040821)		
3610749.8 | 582.04147 (12060824)	563.79163 (12060824)	612.15172 (12090522)	
614.38608 (10040821)	587.22995 (11041622)		
3610740.8 | 588.12912 (12060824)	584.01088 (12090522)	620.14600 (12090522)	
623.95377 (10040821)	607.67755 (11010619)		
3610731.9 | 591.44869 (12060824)	607.66929 (12090522)	624.28229 (12090522)	
629.72124 (10040821)	613.18704 (11041622)		
3610722.9 | 591.72707 (12060824)	624.47470 (12090522)	629.87047 (10040821)	
631.20371 (10040821)	619.54582 (11041622)		
3610713.9 | 593.94350 (12060824)	635.04378 (12090522)	648.86828 (10040821)	
633.34221 (11041622)	605.41850 (12090222)		
3610705.0 | 593.01810 (12090522)	640.59340 (12090522)	658.94377 (10040821)	
642.14641 (11041622)	627.05800 (12091922)		
3610696.0 | 619.81781 (12090522)	646.00125 (12090522)	669.87197 (10040821)	
654.28803 (11041622)	650.18322 (12091922)		
3610687.1 | 639.54858 (12090522)	663.79303 (10040821)	673.84603 (11041622)	
661.39891 (11041622)	667.90737 (12060822)		
3610678.1 | 655.36687 (12090522)	678.56191 (10040821)	679.66061 (11041622)	
672.83656 (12091922)	689.52394 (12060822)		
3610669.1 | 662.69398 (12090522)	687.63275 (10040821)	675.74569 (12090222)	
690.28672 (12091922)	705.50858 (12060822)		
3610660.2 | 672.29872 (10040821)	677.44176 (10040821)	698.50883 (12090222)	
706.51349 (12060822)	726.43707 (10061223)		
3610651.2 | 688.29665 (10040821)	682.51235 (11041622)	711.75557 (12090222)	
738.81285 (12060822)	736.99797 (10061223)		
3610642.3 | 702.78758 (10040821)	702.02593 (11041622)	727.39785 (12081902)	
740.18788 (12081902)	748.34969 (10061223)		
3610633.3 | 696.34034 (10040821)	706.28955 (11041622)	756.49681 (12081902)	
758.57027 (12081902)	771.11408 (12090323)		
3610624.3 | 712.59889 (10040821)	723.23827 (12090222)	784.17181 (12081902)	
765.44320 (12081902)	773.47720 (12090323)		
3610615.4 753.37398 (12090222)	762.17503 (12081902)	798.79007 (12081902)	
787.46749 (12090323)	783.71804 (12090323)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511

, L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491029.88		491055.18	491080.48
	491105.78	491131.08		

3610794.6 |	585.32149 (11010619)	573.25821 (11041622)	578.58512 (12060823)
588.58120 |	(11020821) 594.49759 (11020821)		
3610785.6 |	596.03902 (11010619)	575.33157 (11041622)	589.30893 (12060823)
598.84048 |	(11020821) 594.32363 (11020821)		
3610776.7 |	596.49601 (11010619)	580.05358 (11041622)	598.33423 (11020821)
605.02805 |	(11020821) 602.42570 (12060822)		
3610767.7 |	592.91051 (11041622)	587.99766 (12060823)	611.80071 (11020821)
614.31448 |	(11020821) 606.37275 (12060822)		
3610758.7 |	603.00822 (11041622)	598.77288 (12060823)	620.85809 (11020821)
619.41072 |	(12060822) 614.39144 (10061223)		
3610749.8 |	602.75418 (11041622)	615.91962 (11020821)	625.71433 (11020821)
625.53086 |	(12060822) 622.74578 (10061223)		
3610740.8 |	609.91707 (12060823)	628.04909 (11020821)	628.62948 (12060822)
631.75153 |	(10061223) 626.34686 (10061223)		
3610731.9 |	626.91418 (12060823)	635.54574 (11020821)	637.37924 (11031623)
641.84033 |	(10061223) 632.70796 (10061223)		
3610722.9 |	640.36010 (11020821)	638.88432 (11020821)	641.86874 (11031623)
654.00250 |	(10061223) 633.33505 (12090323)		
3610713.9 |	631.15092 (12091922)	648.58467 (11031623)	660.78822 (10061223)
654.33933 |	(10061223) 648.29525 (12100221)		
3610705.0 |	641.77262 (12091922)	655.24206 (11031623)	667.14900 (10061223)
653.12068 |	(12090323) 669.41020 (12100221)		
3610696.0 |	648.66752 (12060822)	672.50857 (10061223)	668.58656 (10061223)
678.03449 |	(12100221) 677.15556 (12100221)		
3610687.1 |	665.49079 (12081902)	680.18557 (10061223)	666.42445 (12090323)
691.74341 |	(12100221) 679.66983 (12100221)		
3610678.1 |	678.75118 (10061223)	689.74967 (10061223)	693.19863 (12100221)
699.33707 |	(12100221) 690.11903 (12062723)		
3610669.1 |	699.94208 (10061223)	691.13921 (10061223)	714.34174 (12100221)
709.30950 |	(12100221) 696.07162 (10081706)		
3610660.2 |	704.38597 (10061223)	693.75099 (12100221)	719.82181 (12100221)
712.59208 |	(12062723) 712.72237 (10081706)		
3610651.2 |	720.59631 (12090323)	715.40690 (12100221)	727.74742 (12100221)
727.88934 |	(10081706) 716.66060 (10081706)		
3610642.3 |	742.74955 (12100221)	746.66137 (12100221)	710.42675 (10081706)
735.51468 |	(10081706) 716.17857 (10081706)		

3610633.3	|	756.46549 (12100221)	758.31206 (12100221)	731.69088 (10081706)
738.46203		(10081706)	727.84770 (12052301)	
3610624.3	|	771.38605 (12100221)	770.65633 (10081706)	755.60232 (10081706)
750.26078		(10081706)	736.83711 (12062423)	
3610615.4		774.32134 (12100221)	782.71675 (10081706)	768.92846 (10081706)
736.41895		(12062423)	750.56103 (12062423)	

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491156.38	491181.68	491206.98
491232.28		491257.58		

3610794.6	|	577.71016 (12060822)	564.87548 (10061223)	557.43336 (10061223)
538.45994		(12090323)	526.51513 (12100221)	
3610785.6	|	586.52049 (12060822)	569.89277 (10061223)	553.32832 (10061223)
546.12807		(12090323)	540.38470 (12100221)	
3610776.7	|	596.81116 (10061223)	570.79393 (10061223)	569.72402 (12090323)
561.29038		(12100221)	550.14618 (12100221)	
3610767.7	|	603.51263 (10061223)	574.88987 (10061223)	578.29483 (12090323)
568.13245		(12100221)	555.45024 (12062723)	
3610758.7	|	605.74762 (10061223)	581.35173 (12090323)	597.00060 (12100221)
570.52045		(12100221)	563.91697 (12062723)	
3610749.8	|	610.90718 (10061223)	597.90896 (12100221)	604.29874 (12100221)
575.46295		(12062723)	567.09300 (10081706)	
3610740.8	|	613.96144 (12090323)	610.46687 (12100221)	606.83537 (12100221)

583.89294 (12062723)	582.83051 (10081706)		
3610731.9 | 634.12642 (12100221)	625.65082 (12100221)	610.22842 (12062723)	
597.16004 (10081706)	586.32989 (10081706)		
3610722.9 | 647.39806 (12100221)	635.98791 (12100221)	611.51474 (12062723)	
604.61248 (10081706)	593.02336 (10081706)		
3610713.9 | 662.83557 (12100221)	638.76740 (12062723)	627.68539 (10081706)	
615.09295 (10081706)	595.14708 (12052301)		
3610705.0 | 665.47012 (12100221)	647.45934 (10081706)	642.23275 (10081706)	
620.95153 (10081706)	601.05028 (12052301)		
3610696.0 | 667.83962 (12062723)	666.36135 (10081706)	644.14310 (10081706)	
632.14161 (12052301)	605.03543 (12062423)		
3610687.1 | 679.41312 (10081706)	680.09697 (10081706)	649.18723 (10081706)	
645.98682 (12062423)	609.10491 (12062423)		
3610678.1 | 689.61526 (10081706)	681.19506 (10081706)	662.50342 (12052301)	
645.17298 (12062423)	613.51778 (12080802)		
3610669.1 | 702.34485 (10081706)	685.95213 (12052301)	679.11228 (12062423)	
639.49128 (12080802)	609.39753 (11040305)		
3610660.2 | 702.61021 (10081706)	694.68546 (12062423)	693.14215 (12062423)	
628.42668 (12080802)	615.08461 (11040305)		
3610651.2 | 703.52556 (12052301)	703.57494 (12062423)	696.88700 (12080802)	
641.51686 (11040305)	623.85253 (11040305)		
3610642.3 | 704.00965 (12062423)	699.61081 (12062423)	692.73072 (12080802)	
645.17878 (11040305)	634.84961 (10041603)		
3610633.3 | 702.66087 (12062423)	696.58373 (12080802)	696.90611 (11040305)	
654.79869 (10041603)	641.76909 (10041603)		
3610624.3 | 698.67160 (12080802)	700.37860 (11040305)	698.72643 (11040305)	
664.27707 (10041603)	643.51276 (10041603)		
3610615.4 | 711.90531 (12080802)	704.84760 (11040305)	693.71502 (10041603)	
668.68751 (10041603)	659.02216 (10111905)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491282.88		491308.18	491333.48
	491358.78	491384.08		

3610794.6 |	517.13204 (12062723)	512.77151 (12062723)	505.40082 (10081706)
452.72147 (10081706)	437.83790 (12052301)		
3610785.6 |	529.46872 (12062723)	510.90826 (12062723)	510.78587 (10081706)
452.59454 (12052301)	455.74086 (12052301)		
3610776.7 |	531.24750 (12062723)	518.27000 (10081706)	512.14791 (10081706)
473.77156 (12052301)	470.63573 (12052301)		
3610767.7 |	537.79848 (10081706)	530.38393 (10081706)	509.56906 (10081706)
491.86369 (12052301)	476.11416 (12052301)		
3610758.7 |	546.34636 (10081706)	538.45057 (10081706)	518.34124 (12052301)
512.74351 (12052301)	485.40472 (12062423)		
3610749.8 |	550.48159 (10081706)	537.13110 (12052301)	523.23972 (12052301)
525.56402 (12062423)	497.09333 (12080802)		
3610740.8 |	557.91411 (10081706)	545.24923 (12052301)	530.55977 (12052301)
527.24671 (12080802)	508.90452 (11040305)		
3610731.9 |	559.03172 (12052301)	549.02672 (12052301)	538.52169 (12062423)
532.62452 (12080802)	515.75863 (11040305)		
3610722.9 |	566.01217 (12052301)	548.52282 (12062423)	549.82458 (12080802)
538.04863 (11040305)	525.32755 (11040305)		
3610713.9 |	575.37842 (12052301)	551.11967 (12062423)	553.45040 (12080802)
550.15592 (11040305)	534.33872 (12080205)		
3610705.0 |	586.97813 (12062423)	556.34984 (12080802)	560.21049 (11040305)
557.96755 (11040305)	543.24784 (12080205)		
3610696.0 |	597.92821 (12080802)	561.96209 (11040305)	563.14592 (11040305)
575.24311 (10041603)	541.35056 (12080205)		
3610687.1 |	610.59898 (12080802)	567.15933 (11040305)	564.86930 (10041603)
582.36183 (10041603)	548.38354 (10041603)		
3610678.1 |	599.89653 (11040305)	575.26222 (11040305)	574.03836 (10041603)
584.77276 (10041603)	579.59835 (10111905)		
3610669.1 |	595.54788 (11040305)	586.15422 (10041603)	578.65635 (10041603)
588.34045 (10111905)	618.16287 (10111905)		
3610660.2 |	590.10902 (10041603)	585.70713 (10041603)	578.50836 (10041603)
600.20961 (10111905)	652.40209 (10111905)		
3610651.2 |	599.24064 (10041603)	587.81230 (10041603)	602.95530 (10111905)
621.75955 (10111905)	664.99445 (10061623)		
3610642.3 |	603.68415 (10041603)	605.26900 (10111905)	618.72827 (10111905)
638.54609 (10111905)	670.67210 (10061623)		
3610633.3 |	607.14933 (10111905)	622.47750 (10111905)	637.17899 (10111905)
651.64009 (10061623)	678.65392 (10061623)		
3610624.3 |	633.29327 (10111905)	635.09411 (10111905)	647.75232 (10061623)
669.10888 (10061623)	682.54906 (11041621)		

3610615.4 | 647.56286 (10111905) 635.18549 (10111905) 650.39143 (10061623)
 680.74901 (10061623) 699.95561 (11041621)
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
 (METERS) | 491409.38

 3610794.6 | 442.53361 (12052301)
 3610785.6 | 454.60104 (12052301)
 3610776.7 | 463.45962 (12052301)
 3610767.7 | 476.58657 (12080802)
 3610758.7 | 488.10464 (12080802)
 3610749.8 | 508.42518 (11040305)
 3610740.8 | 526.71383 (11040305)
 3610731.9 | 541.12409 (11040305)
 3610722.9 | 557.42269 (10041603)
 3610713.9 | 564.84794 (10041603)
 3610705.0 | 560.97657 (10041603)
 3610696.0 | 552.64889 (10041603)
 3610687.1 | 570.62444 (10111905)
 3610678.1 | 593.47126 (10111905)
 3610669.1 | 618.87409 (10111905)
 3610660.2 | 637.91352 (10061623)
 3610651.2 | 649.90090 (10061623)
 3610642.3 | 664.25524 (10061623)

3610633.3 | 670.83319 (11041621)
3610624.3 | 687.34797 (11041621)
3610615.4 | 698.37176 (11041621)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKLIFT ***
INCLUDING SOURCE(S): L0001523 , L0001524
, L0001525 , L0001526 , L0001527 ,
L0001528 , L0001529 , L0001530 , L0001531 , L0001532
, L0001533 , L0001534 , L0001535 ,
L0001536 , L0001537 , L0001538 , L0001539 , L0001540
, L0001541 , L0001505 , L0001506 ,
L0001507 , L0001508 , L0001509 , L0001510 , L0001511
, L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491026.76	490964.36	490985.16	491005.96
	491047.56		

3610598.0 | 817.16502 (12090323) 803.36556 (12090323) 793.42354 (12100221)
799.02737 (10081706) 786.63513 (10081706)
3610584.7 | 825.06263 (12090323) 815.80000 (10081706) 825.83121 (10081706)
814.28794 (10081706) 801.88988 (12062423)
3610571.5 | 827.32626 (10081706) 841.64933 (10081706) 838.82005 (10081706)
824.40225 (12062423) 823.10504 (12062423)
3610558.3 | 851.86345 (10081706) 843.54160 (10081706) 858.39335 (10082303)
849.17395 (10082303) 839.51045 (12062423)
3610545.1 | 852.99739 (10081706) 860.10353 (10082303) 870.40160 (10082303)
857.26309 (10082301) 853.18499 (10082301)
3610531.9 | 875.17257 (10082303) 876.16757 (10082303) 871.43385 (10082301)
866.94173 (10082301) 842.24100 (10082301)
3610518.7 | 901.14548 (10082303) 885.65746 (10082301) 882.94382 (10082301)
864.74359 (10082301) 848.45209 (12090723)
3610505.5 | 925.07395 (10082301) 897.87635 (10082301) 884.79364 (12090701)
867.62603 (12090701) 863.79170 (11041621)

3610492.3 |	920.24483 (10082301)	896.93880 (12090701)	873.37469 (12090701)
887.81748 (11041621)	888.17543 (11041621)		
3610479.1 |	915.58570 (12090701)	885.63866 (12090701)	905.72602 (11041621)
916.24575 (11041621)	912.55194 (11041621)		
3610465.9 |	922.51788 (11041621)	929.29851 (11041621)	950.34214 (11041621)
940.49012 (11041621)	919.35120 (11041621)		
3610452.6 |	972.76897 (11041621)	984.85714 (11041621)	992.98040 (11041621)
955.56639 (11041621)	926.68072 (11041621)		
3610439.4 |	1024.07861 (11041621)	1021.14645 (11041621)	1004.60350 (11041621)
951.87219 (12082103)	949.25194 (10071502)		
3610426.2 |	1052.66913 (11041621)	1007.47715 (11041621)	996.29605 (12082103)
969.74748 (11021319)	967.62905 (11021319)		
3610413.0 |	1056.01042 (12082103)	1015.84585 (10071502)	992.45262 (11021319)
976.61758 (11021319)	961.43362 (12080702)		
3610399.8 |	1087.72767 (11021319)	1039.13823 (11021319)	985.52673 (12080702)
984.12906 (12080702)	975.94464 (12080702)		
3610386.6 |	1103.38474 (12080702)	1061.58881 (12080702)	997.78191 (11103019)
1004.26799 (11103019)	999.11960 (11103019)		
3610373.4 |	1130.73886 (11103019)	1094.05870 (11103019)	1027.88689 (11103019)
1010.40003 (11103019)	992.03281 (10101019)		
3610360.2 |	1141.12355 (11103019)	1105.34680 (10101019)	1053.39834 (10101019)
1033.32653 (10101019)	1010.94832 (10021719)		
3610347.0 |	1159.67709 (10021719)	1138.85092 (10021719)	1092.41807 (10021719)
1058.54878 (10021719)	1025.56020 (10021719)		
3610333.8	1178.49758 (10021719)	1140.61181 (10021719)	1078.21593 (10021719)
1023.03938 (10021719)	996.94680 (10122419)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD				X-COORD (METERS)
(METERS)		491068.36	491089.16	491109.96
		491130.76	491151.56	

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-----
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3610598.0 | 793.57999 (12062423) 794.68298 (12062423) 778.53577 (12062423)
761.76986 (10082301) 744.62009 (11040305)
3610584.7 | 816.33302 (12062423) 804.00573 (12062423) 785.77307 (10082301)
766.18447 (10082301) 763.38487 (10041603)
3610571.5 | 825.60960 (12062423) 812.04164 (10082301) 785.10044 (10082301)
763.67581 (12080205) 755.35502 (10041603)
3610558.3 | 841.53018 (10082301) 820.97709 (10082301) 792.05789 (12080205)
762.04010 (10061623) 757.89608 (10061623)
3610545.1 | 843.42270 (10082301) 821.11775 (12080205) 808.89118 (10061623)
805.84094 (10061623) 804.40929 (10061623)
3610531.9 | 832.93475 (10061623) 844.16525 (10061623) 840.41687 (10061623)
833.53908 (10061623) 826.05864 (10061623)
3610518.7 | 857.07067 (10061623) 863.47553 (10061623) 862.86312 (10061623)
843.28017 (10061623) 845.44080 (11041621)
3610505.5 | 861.70125 (12090723) 862.79274 (12090723) 870.57907 (11041621)
866.23717 (11041621) 864.79375 (11041621)
3610492.3 | 878.13987 (11041621) 886.50933 (11041621) 886.55640 (11041621)
880.87795 (11041621) 861.25383 (11041621)
3610479.1 | 902.62243 (11041621) 898.22765 (11041621) 881.02173 (11041621)
871.14695 (12082103) 869.57354 (10071502)
3610465.9 | 905.71025 (11041621) 883.74323 (12082103) 880.05036 (10071502)
877.66059 (10071502) 880.02586 (10071502)
3610452.6 | 909.94288 (10071502) 903.48187 (10071502) 896.63107 (11021319)
896.27580 (11021319) 877.99091 (11021319)
3610439.4 | 926.29651 (11021319) 917.49345 (11021319) 898.17201 (11021319)
881.67786 (12080702) 861.61783 (12080702)
3610426.2 | 936.89749 (11021319) 907.25539 (11021319) 891.74780 (12080702)
887.38505 (12080702) 880.84811 (11103019)
3610413.0 | 946.57662 (12080702) 924.43536 (11103019) 915.77760 (11103019)
905.12578 (11103019) 907.83973 (11103019)
3610399.8 | 962.63571 (11103019) 933.30445 (11103019) 935.73754 (11103019)
909.98573 (11103019) 893.88433 (11103019)
3610386.6 | 973.19115 (11103019) 941.16136 (11103019) 915.52959 (10101019)
910.12332 (10101019) 917.08440 (10101019)
3610373.4 | 973.91464 (10101019) 958.28712 (10101019) 939.03879 (10101019)
929.91586 (10021719) 936.04158 (10021719)
3610360.2 | 998.53224 (10021719) 984.17038 (10021719) 968.24081 (10021719)
956.96757 (10021719) 955.76736 (10021719)
3610347.0 | 1013.13597 (10021719) 989.45723 (10021719) 965.55594 (10021719)
952.60059 (10021719) 939.36882 (10021719)
3610333.8 | 988.40857 (10122419) 969.65336 (10122419) 951.05450 (10122419)
943.29815 (10122419) 935.49052 (10122419)

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
	491234.76	491255.56	

 3610598.0 | 718.33654 (10041603) 688.53103 (10041603) 681.52340 (10111905)
 687.00054 (10111905) 686.75241 (10111905)
 3610584.7 | 732.54812 (10041603) 706.80928 (10111905) 710.55241 (10111905)
 715.91701 (10111905) 700.17453 (10061623)
 3610571.5 | 754.92886 (10111905) 733.85717 (10111905) 731.96381 (10061623)
 748.14035 (10061623) 715.41914 (10061623)
 3610558.3 | 784.70429 (10111905) 756.56478 (10061623) 745.31744 (10061623)
 763.61864 (10081723) 732.54306 (10081723)
 3610545.1 | 790.34168 (10061623) 775.50816 (10061623) 765.51956 (10081723)
 786.20892 (10081723) 749.66825 (11041621)
 3610531.9 | 803.42393 (11041621) 796.56697 (10081723) 779.18282 (11041621)
 793.43192 (11041621) 765.31477 (10082424)
 3610518.7 | 828.11584 (11041621) 812.66833 (11041621) 795.48147 (11041621)
 790.89846 (10082424) 788.07215 (10082424)
 3610505.5 | 836.53174 (11041621) 807.69513 (10082424) 794.44988 (12082103)
 799.30386 (10071502) 829.11923 (10071502)
 3610492.3 | 839.73663 (12082103) 833.49297 (10071502) 823.05003 (10071502)
 804.36826 (10071502) 835.78614 (10071502)
 3610479.1 | 858.01525 (10071502) 854.96002 (10071502) 836.41215 (10071502)
 815.92926 (11021319) 831.14670 (11021319)

3610465.9	|	877.68208	(10071502)	860.51562	(11021319)	846.74390	(11021319)
817.44086		(11031921)	827.07617	(11031921)			
3610452.6	|	859.48899	(11021319)	858.43251	(11031921)	851.93995	(11031921)
833.73601		(11031921)	815.01928	(12080702)			
3610439.4	|	857.58940	(12080702)	853.25633	(11040422)	852.32704	(11040422)
856.47327		(11040422)	842.97838	(11040422)			
3610426.2	|	874.31245	(11103019)	873.26319	(11103019)	874.50721	(11040422)
866.87299		(11103019)	852.14866	(11040422)			
3610413.0	|	892.86882	(11103019)	882.59212	(11103019)	867.83406	(11040422)
858.12075		(11082824)	853.58973	(11082824)			
3610399.8	|	887.96024	(11082824)	867.54806	(11082824)	862.93681	(10101019)
857.48686		(10101019)	868.70194	(10101019)			
3610386.6	|	910.07682	(10101019)	892.66930	(10101019)	881.95680	(10101019)
865.52880		(10021719)	854.60541	(10021719)			
3610373.4	|	919.03316	(10021719)	916.05340	(10021719)	908.05457	(10021719)
883.46619		(10021719)	868.14063	(10021719)			
3610360.2	|	937.53946	(10021719)	912.04682	(10021719)	900.87434	(10021719)
874.01268		(10021719)	860.92560	(10021719)			
3610347.0	|	916.27644	(10021719)	893.42229	(10021719)	871.28156	(10122419)
858.34577		(10122419)	856.42648	(10122419)			
3610333.8	|	927.65652	(10122419)	910.71259	(10122419)	883.90595	(10122419)
877.14386		(10122419)	851.62265	(10122419)			

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 , L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 , L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 , L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD				X-COORD (METERS)
(METERS)		491276.36	491297.16	491317.96
		491338.76	491359.56	

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-----
3610598.0 | 668.52958 (10061623) 657.95714 (10061623) 649.71792 (10061623)
668.83999 (11041621) 717.39049 (11041621)
3610584.7 | 687.01850 (10061623) 665.70675 (10081723) 659.21283 (11041621)
673.22336 (11041621) 713.62239 (11041621)
3610571.5 | 707.85305 (10081723) 681.91846 (11041621) 659.01693 (11041621)
664.24189 (11041621) 713.13538 (10082424)
3610558.3 | 720.76258 (11041621) 685.64815 (11041621) 656.25842 (10082424)
679.24322 (10082424) 704.93305 (10082424)
3610545.1 | 731.23492 (10082424) 697.07711 (10082424) 674.64333 (10082424)
680.11046 (10071502) 699.32747 (10071502)
3610531.9 | 744.53479 (10082424) 713.84308 (10071502) 699.99089 (10071502)
707.77035 (10071502) 719.64804 (10071502)
3610518.7 | 781.79185 (10071502) 751.78093 (10071502) 721.55596 (10071502)
726.48191 (10071624) 784.87286 (11021319)
3610505.5 | 803.22915 (10071502) 783.13383 (10071624) 749.07080 (10071624)
737.11463 (10071624) 819.44373 (11021319)
3610492.3 | 787.32134 (11021319) 792.17304 (10071624) 762.33148 (11031921)
745.07502 (11031921) 786.42409 (12080702)
3610479.1 | 788.44590 (11031921) 772.85014 (11031921) 788.77096 (11031921)
742.70041 (11031921) 776.18114 (12080702)
3610465.9 | 803.47248 (11031921) 781.63873 (11031921) 783.95925 (11031921)
751.66870 (11020820) 774.49158 (11040422)
3610452.6 | 809.93598 (11040422) 812.94463 (11040422) 787.33258 (11040422)
779.69707 (11040422) 791.43017 (11040422)
3610439.4 | 841.18917 (11040422) 836.44285 (11040422) 809.63204 (11040422)
803.32139 (11040422) 766.55125 (11040422)
3610426.2 | 855.84526 (11040422) 834.53592 (11040422) 811.62940 (11082824)
783.32915 (11082824) 775.38735 (11082824)
3610413.0 | 845.51483 (11082824) 848.52089 (11082824) 825.98200 (10101019)
802.95817 (10101019) 765.95091 (10101019)
3610399.8 | 848.50751 (10101019) 843.14765 (10101019) 829.97692 (10101019)
802.96140 (10101019) 754.84662 (11050421)
3610386.6 | 851.35173 (10021719) 850.83348 (10021719) 835.79831 (10021719)
811.47086 (10021719) 750.10344 (11123018)
3610373.4 | 858.92448 (10021719) 854.37152 (10021719) 851.14734 (10021719)
809.35644 (10021719) 741.31121 (11123018)
3610360.2 | 841.38259 (10021719) 828.23711 (10021719) 815.03742 (10021719)
802.10633 (10122419) 737.86697 (10041721)
3610347.0 | 836.19795 (10122419) 834.37763 (10122419) 826.39501 (10122419)
820.12208 (10122419) 745.91822 (10122419)
3610333.8 | 843.00963 (10111518) 832.84611 (10122419) 822.90799 (10122419)
791.64832 (10122419) 750.54769 (10111518)

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKLIFT ***

	INCLUDING SOURCE(S):				L0001523	, L0001524
, L0001525	, L0001526	, L0001527	,			
	L0001528	, L0001529	, L0001530	, L0001531	, L0001532	
, L0001533	, L0001534	, L0001535	,			
	L0001536	, L0001537	, L0001538	, L0001539	, L0001540	
, L0001541	, L0001505	, L0001506	,			
	L0001507	, L0001508	, L0001509	, L0001510	, L0001511	
, L0001512	, L0001513	, . . .	,			

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491380.36	

```

3610598.0 | 727.35154 (11041621)
3610584.7 | 719.08347 (10082424)
3610571.5 | 725.01010 (10082424)
3610558.3 | 719.80596 (10071502)
3610545.1 | 722.77490 (10071502)
3610531.9 | 723.69960 (10071624)
3610518.7 | 751.18493 (11021319)
3610505.5 | 768.98609 (11031921)
3610492.3 | 755.99585 (11031921)
3610479.1 | 736.29534 (11020820)
3610465.9 | 728.61213 (11040422)
3610452.6 | 725.75680 (11040422)
3610439.4 | 709.97710 (11082824)
3610426.2 | 691.13537 (11082824)
3610413.0 | 658.24836 (10101019)
3610399.8 | 690.53034 (11050421)
3610386.6 | 718.73849 (11123018)
3610373.4 | 717.53127 (11041823)
3610360.2 | 716.02264 (10041721)
3610347.0 | 722.92534 (10122419)
3610333.8 | 727.83334 (10111518)

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▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23

*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491360.32	491376.93	491393.54
491410.15	491426.76		

3610184.5 |	729.86034 (10071501)	718.62567 (10081704)	722.78777 (10081704)
712.75474	(10081704)	701.62807 (10081704)	
3610142.8 |	692.01623 (10120403)	691.25711 (10120403)	690.34798 (10120403)
695.88453	(10062422)	693.76144 (10120403)	
3610101.2 |	665.81812 (11091121)	658.33929 (11091121)	679.90871 (11091121)
674.92989	(11083021)	657.06192 (11083021)	
3610059.6 |	688.16146 (12042821)	690.20986 (12042821)	681.35158 (12042821)
664.76110	(12042821)	663.86727 (12042821)	
3610018.0 |	682.34458 (10033124)	674.72626 (10033124)	655.33415 (10033124)
642.00780	(12022520)	651.41615 (11051223)	
3609976.4 |	666.55983 (10033101)	659.38073 (10033101)	649.05714 (10071423)
644.16188	(10032320)	657.71815 (10032320)	
3609934.8 |	651.13117 (12120619)	650.33803 (11032521)	661.94823 (11032521)
647.51567	(11032521)	636.20011 (11071724)	
3609893.2 |	643.69860 (11042621)	632.73767 (11042621)	613.04056 (11042621)
614.94339	(12120619)	629.64344 (12120619)	
3609851.6 |	565.23085 (10040120)	582.52572 (11042621)	606.33248 (11042621)
615.56655	(11042621)	610.81046 (11042621)	
3609810.0 |	577.53301 (10082423)	543.42086 (10082423)	560.59534 (10040120)
563.57610	(10040120)	550.07829 (10040120)	
3609768.4 |	600.99661 (10101020)	570.58260 (10101020)	549.00410 (10082423)
541.59043	(10082423)	532.40533 (10082423)	
3609726.7 |	590.94504 (10101020)	596.87970 (10101020)	588.87628 (10101020)

570.13613 (10101020)	541.29595 (10101020)		
3609685.1 | 574.36856 (10041824)	561.96205 (10090921)	569.58924 (10090921)	
563.32861 (10101020)	566.13084 (10101020)		
3609643.5 | 584.45225 (10041824)	584.85074 (10041824)	568.81102 (10041824)	
539.67722 (10091101)	542.22196 (10090921)		
3609601.9 | 598.31316 (11111520)	591.23350 (11111520)	572.43353 (10041824)	
569.37518 (10041824)	557.60527 (10041824)		
3609560.3 | 573.14679 (12041421)	577.00555 (11111520)	583.67786 (11111520)	
578.46855 (11111520)	556.99454 (11111520)		
3609518.7 | 552.17979 (11050401)	557.07561 (12041421)	552.64688 (12041421)	
554.53099 (11111520)	559.93918 (11111520)		
3609477.1 | 560.13577 (11112103)	540.35200 (11112103)	532.76195 (11050401)	
539.37244 (12041421)	536.72083 (12041421)		
3609435.5 | 550.72375 (11102120)	546.84800 (11112103)	540.24646 (11112103)	
522.96888 (11112103)	519.51830 (11050401)		
3609393.9 | 529.02400 (11091122)	537.50514 (11102120)	536.95552 (11102120)	
532.74534 (11112103)	521.76039 (11112103)		
3609352.2 506.76570 (11091122)	518.26345 (11091122)	519.76695 (11102120)	
526.64741 (11102120)	521.15299 (11102120)		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491443.37	491459.98	491476.59
	491493.20	491509.81	

3610184.5 |	664.22855 (11092822)	612.31667 (11092822)	573.71589 (11070122)
550.40963 (11070122)	556.39233 (11070122)		
3610142.8 |	685.55596 (10062422)	646.42069 (10012920)	608.45399 (10012920)
554.87732 (10012920)	573.69749 (10012920)		
3610101.2 |	666.04185 (11083021)	641.81648 (12050723)	598.34937 (12050723)
545.50034 (12050723)	540.04195 (12050723)		
3610059.6 |	628.47175 (11062622)	637.26230 (11062622)	619.75563 (11062622)
589.44121 (11091121)	541.24427 (11091121)		
3610018.0 |	624.81124 (12022520)	595.12996 (12022520)	586.60163 (12042821)
582.99354 (12042821)	562.20681 (12042821)		
3609976.4 |	619.71605 (10032320)	591.56718 (10033124)	580.34568 (10033124)
566.52576 (11051223)	557.27231 (11051223)		
3609934.8 |	612.21642 (10033101)	597.33758 (10033101)	589.38040 (12011919)
580.84235 (12011919)	560.47550 (12011919)		
3609893.2 |	614.71349 (12120619)	593.09565 (11032521)	579.95883 (11032521)
559.77027 (11032521)	556.16789 (11071724)		
3609851.6 |	617.22930 (11042621)	587.13584 (10030420)	571.18830 (11081622)
559.31846 (12120101)	557.28151 (12120619)		
3609810.0 |	564.83596 (11042621)	586.20168 (11042621)	607.77206 (11042621)
600.65272 (10030420)	581.75092 (10030420)		
3609768.4 |	509.56027 (10082423)	538.74825 (10040120)	528.66081 (10040120)
521.37439 (11042621)	548.70696 (11042621)		
3609726.7 |	525.25704 (10082423)	522.63907 (10082423)	510.67060 (10082423)
519.58803 (11010719)	521.03133 (10040120)		
3609685.1 |	557.86488 (10101020)	545.27679 (10101020)	521.16625 (10101020)
505.97390 (10082423)	507.55421 (10082423)		
3609643.5 |	551.26296 (10090921)	551.39398 (10101020)	552.30182 (10101020)
543.85502 (10101020)	525.89051 (10101020)		
3609601.9 |	533.25705 (10041824)	520.51277 (10091101)	527.10342 (10090921)
527.11282 (10090921)	518.60055 (10101020)		
3609560.3 |	550.76871 (10041824)	538.13979 (10041824)	515.67827 (10041824)
494.63850 (10091101)	485.94337 (10090921)		
3609518.7 |	554.26457 (11111520)	534.97552 (11111520)	523.49018 (10041824)
509.02241 (10041824)	493.23367 (10041824)		
3609477.1 |	537.01217 (11111520)	538.27923 (11111520)	531.35107 (11111520)
512.58554 (11111520)	498.49640 (10041824)		
3609435.5 |	519.73145 (12041421)	519.11000 (12041421)	517.41820 (11111520)
522.06147 (11111520)	509.06477 (11111520)		
3609393.9 |	503.03456 (11050401)	508.52350 (12041421)	511.44446 (12041421)
504.20352 (12041421)	495.40280 (11111520)		
3609352.2	516.73398 (11112103)	505.11425 (11112103)	489.61938 (11050401)
490.85142 (12041421)	494.98282 (12041421)		

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 *** 06:51:10

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKLIFT ***
INCLUDING SOURCE(S): L0001523 , L0001524
, L0001525 , L0001526 , L0001527 ,
L0001528 , L0001529 , L0001530 , L0001531 , L0001532
, L0001533 , L0001534 , L0001535 ,
L0001536 , L0001537 , L0001538 , L0001539 , L0001540
, L0001541 , L0001505 , L0001506 ,
L0001507 , L0001508 , L0001509 , L0001510 , L0001511
, L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491526.42	491543.03	491559.64
	491576.25	491592.86	

3610184.5 |	554.51561 (11070122)	537.79204 (11070122)	508.50718 (10102205)
481.11115 |	(10102205) 454.48316 (10102205)		
3610142.8 |	571.52521 (10012920)	535.99034 (10012920)	507.02218 (10012920)
490.79859 |	(10012920) 474.46939 (10012920)		
3610101.2 |	527.63968 (10062422)	536.16493 (10062422)	502.68780 (10062422)
477.08157 |	(10111904) 458.08686 (10111904)		
3610059.6 |	518.38211 (11091121)	521.25426 (11091121)	500.24508 (11083021)
478.88313 |	(11083021) 463.08615 (11083021)		
3610018.0 |	531.58289 (12042821)	498.97389 (12042821)	485.21316 (10080222)
473.59895 |	(11062622) 461.58040 (11062622)		
3609976.4 |	525.28254 (11051223)	485.38781 (12022520)	482.02341 (12022520)
476.93121 |	(12042821) 469.79700 (12042821)		
3609934.8 |	539.06781 (10032320)	520.77229 (10032320)	513.95387 (10033124)
504.07161 |	(10033124) 491.91410 (11051223)		
3609893.2 |	549.18042 (10033101)	536.15256 (10033101)	533.56483 (12011919)
527.82453 |	(12011919) 511.28714 (12011919)		
3609851.6 |	560.01635 (11032521)	552.78095 (11032521)	550.46870 (11032521)
536.41693 |	(11032521) 528.30529 (11071724)		
3609810.0 |	568.72330 (10030420)	558.92558 (11081622)	550.18045 (12120101)
540.83851 |	(12120619) 531.42421 (12120619)		
3609768.4 |	565.59351 (11042621)	567.03727 (11042621)	582.51593 (11042621)
562.95534 |	(10030420) 532.41940 (10030420)		
3609726.7 |	516.42071 (10040120)	503.37763 (10040120)	509.46550 (11042621)
541.26083 |	(11042621) 535.10446 (10030420)		
3609685.1 |	494.98667 (10082423)	493.18093 (11010719)	498.83632 (11010719)
560.43016 |	(11010719) 545.07524 (11010719)		
3609643.5 |	496.05575 (10101020)	521.63220 (10082423)	535.14406 (10082423)

530.82997 (10082423)	514.48332 (10082423)		
3609601.9 | 526.52787 (10101020)	509.26110 (10073123)	502.34183 (10073123)	
521.50689 (10082423)	526.84002 (10082423)		
3609560.3 | 490.19972 (10090921)	524.73672 (10101020)	515.27663 (10101020)	
524.54479 (10101020)	515.68988 (10101020)		
3609518.7 | 469.11498 (10041824)	489.17883 (10090921)	499.00268 (10090921)	
517.03349 (10090921)	519.22410 (10101020)		
3609477.1 | 492.11053 (10041824)	485.16660 (10091101)	476.15108 (10091101)	
483.07211 (11052522)	485.81061 (10090921)		
3609435.5 | 496.84356 (11111520)	481.19776 (10041824)	476.66930 (10041824)	
470.74653 (11091821)	473.41835 (10091101)		
3609393.9 | 498.86518 (11111520)	497.45838 (11111520)	487.14320 (11111520)	
479.64609 (10041824)	472.85329 (10041824)		
3609352.2 482.68402 (12041421)	465.94353 (11111520)	477.39245 (11111520)	
480.37859 (11111520)	466.69455 (10041824)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491609.47	491626.08	491642.69
491659.30	491675.91		

3610184.5 |	445.85764 (10102205)	437.19462 (10102205)	412.08243 (10102205)
403.69634 (10102205)	400.53341 (10102205)		
3610142.8 |	452.28253 (10012920)	425.12594 (10102206)	406.91076 (10102206)
399.43011 (10102206)	398.30574 (10101707)		

3610101.2	|	444.48930	(10111904)	430.44486	(10111904)	405.60201	(10111904)
397.12620		(10012920)	393.47660	(10012920)			
3610059.6	|	451.30249	(10101703)	434.05409	(10101703)	395.25860	(10101703)
372.86216		(10101703)	365.14055	(10101703)			
3610018.0	|	454.22343	(11062622)	439.12634	(11062622)	401.33327	(11082324)
383.84475		(11082324)	373.39430	(11081601)			
3609976.4	|	459.71159	(12042821)	453.60095	(12042821)	451.61217	(12042821)
447.57908		(12042821)	430.79291	(10080222)			
3609934.8	|	484.41228	(11051223)	473.99421	(11051223)	461.16135	(11051223)
445.62709		(12022520)	435.66684	(12022520)			
3609893.2	|	502.64552	(12011919)	491.62446	(10032320)	487.49143	(10033124)
475.36252		(10033124)	460.16876	(10033124)			
3609851.6	|	510.13323	(10033101)	498.43646	(10033101)	494.86405	(12011919)
485.19370		(12011919)	471.43742	(12011919)			
3609810.0	|	519.39755	(11032521)	504.18532	(11032521)	489.47708	(11032521)
471.16912		(11071724)	458.86083	(11071724)			
3609768.4	|	513.57537	(11081622)	497.52462	(12120101)	472.63098	(12120101)
463.24161		(12120619)	456.55421	(12120619)			
3609726.7	|	527.41612	(10030420)	514.41292	(10030420)	494.64703	(10030420)
469.70489		(10030420)	448.01199	(11081622)			
3609685.1	|	524.39514	(11010719)	505.05519	(11022504)	485.78476	(11022504)
456.41065		(11022504)	437.09826	(10030420)			
3609643.5	|	498.98581	(11010719)	498.77184	(11010719)	489.91478	(11010719)
473.63851		(11010719)	456.44368	(11010719)			
3609601.9	|	510.77375	(10073122)	492.40204	(10073122)	472.15648	(10073122)
448.93381		(11010719)	450.65616	(11010719)			
3609560.3	|	507.90890	(10073123)	489.95917	(10073123)	478.85902	(10073122)
474.00986		(10073122)	462.02905	(10073122)			
3609518.7	|	512.96319	(10101020)	496.20797	(10101020)	473.97571	(10101020)
467.90997		(10073123)	464.17611	(10073123)			
3609477.1	|	506.88648	(10090921)	502.17633	(10090921)	490.60450	(10090921)
481.51728		(10101020)	475.28563	(10101020)			
3609435.5	|	462.76630	(11052522)	463.93205	(11052522)	489.11797	(11052522)
477.42472		(11052522)	463.12805	(10090921)			
3609393.9	|	478.24252	(10041824)	481.52526	(11091821)	475.72880	(11091821)
468.29052		(10091101)	459.22653	(10091101)			
3609352.2	|	472.14547	(10041824)	488.59222	(10041824)	483.35650	(10041824)
466.80897		(10041824)	443.21488	(11091821)			

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,

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, L0001533      , L0001534      , L0001535      ,
, L0001541      , L0001505      , L0001506      ,
, L0001512      , L0001513      , . . .

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*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491692.52	

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3610184.5 | 377.00870 (10102205)
3610142.8 | 392.97263 (10101707)
3610101.2 | 389.28298 (10012920)
3610059.6 | 378.30891 (11050523)
3610018.0 | 384.01716 (11081601)
3609976.4 | 423.88935 (10080222)
3609934.8 | 416.99486 (12042821)
3609893.2 | 449.31714 (11051223)
3609851.6 | 454.39554 (12011919)
3609810.0 | 446.47515 (10033101)
3609768.4 | 447.60216 (11032521)
3609726.7 | 437.49201 (12120101)
3609685.1 | 434.58739 (10030420)
3609643.5 | 438.01230 (11022504)
3609601.9 | 449.92036 (11010719)
3609560.3 | 448.61402 (10073122)
3609518.7 | 442.72734 (10073122)
3609477.1 | 463.03920 (10073123)
3609435.5 | 469.47144 (10090921)
3609393.9 | 452.65795 (12022522)
3609352.2 | 440.80105 (10091101)

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▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23

*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKLIFT ***

INCLUDING SOURCE(S): L0001523 , L0001524

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, L0001525 , L0001526 , L0001527 ,
, L0001533 , L0001534 , L0001535 ,
, L0001541 , L0001505 , L0001506 ,
, L0001512 , L0001513 , . . . ,
, L0001530 , L0001531 , L0001532
, L0001536 , L0001537 , L0001538 ,
, L0001507 , L0001508 , L0001509 ,
, L0001510 , L0001511

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	877.62390	(11092822)	491278.96
3610288.22	812.52692	(10032020)		
491317.19	3610288.22	810.80289	(10032020)	491355.42
3610288.22	776.44613	(10032020)		
491393.65	3610342.70	707.89721	(10122419)	491431.88
3610342.70	652.34683	(10122419)		
491470.11	3610342.70	621.65122	(10111518)	491508.34
3610342.70	582.92780	(10111518)		
491546.57	3610342.70	543.11084	(10111518)	491584.80
3610342.70	467.61046	(10111518)		
491623.03	3610342.70	432.75794	(10111518)	491508.34
3610397.18	534.80785	(11041823)		
491546.57	3610397.18	501.18264	(11041823)	491584.80
3610397.18	475.13000	(11041823)		
491623.03	3610397.18	447.27966	(11041823)	491508.34
3610451.66	522.08597	(11082824)		
491546.57	3610451.66	488.65550	(11082824)	491584.80
3610451.66	477.53337	(10101019)		
491623.03	3610451.66	445.69084	(12031203)	491508.34
3610506.14	565.39081	(10080224)		
491546.57	3610506.14	523.30664	(10080224)	491584.80
3610506.14	501.22704	(10080224)		
491623.03	3610506.14	463.04457	(11040422)	491508.34
3610560.62	563.72730	(10101721)		
491546.57	3610560.62	524.13029	(12090424)	491584.80
3610560.62	509.01930	(12090424)		
491623.03	3610560.62	487.32587	(12090424)	491087.81
3610615.10	756.77235	(10081706)		
491126.04	3610615.10	766.45436	(12062423)	491508.34
3610615.10	523.45596	(12082103)		
491546.57	3610615.10	525.29338	(12082103)	491584.80
3610615.10	486.39403	(12082103)		

491623.03	3610615.10	450.96686	(10101721)	491087.81
3610669.58	713.77314	(12100221)		
491126.04	3610669.58	696.82375	(12062723)	491508.34
3610669.58	506.38903	(11041621)		
491546.57	3610669.58	523.16822	(11041621)	491584.80
3610669.58	491.59670	(11041621)		
491623.03	3610669.58	477.48833	(10082424)	491546.57
3610724.06	480.54385	(10111905)		
491584.80	3610724.06	430.66355	(10061623)	491623.03
3610724.06	404.79058	(10061623)		
491546.57	3610778.54	478.54741	(12080205)	491584.80
3610778.54	449.77774	(12080205)		
491623.03	3610778.54	394.40035	(10111905)	490934.89
3610833.02	518.37880	(12062424)		
490973.12	3610833.02	527.34475	(12060824)	491011.35
3610833.02	535.23863	(12090522)		
491049.58	3610833.02	535.34199	(11010619)	491087.81
3610833.02	547.66635	(11041622)		
491126.04	3610833.02	547.07391	(12060823)	491164.27
3610833.02	551.51090	(11020821)		
491202.50	3610833.02	528.69437	(12060822)	491240.73
3610833.02	512.43784	(10061223)		
491278.96	3610833.02	488.36058	(12090323)	491317.19
3610833.02	488.08658	(12100221)		
491355.42	3610833.02	465.36729	(12062723)	491393.65
3610833.02	432.63086	(10081706)		
491431.88	3610833.02	422.55358	(10081706)	491470.11
3610833.02	436.99740	(12052301)		
491508.34	3610833.02	402.50672	(12052301)	491546.57
3610833.02	401.56170	(10101704)		
491584.80	3610833.02	435.05102	(10101704)	491623.03
3610833.02	401.06393	(12080205)		
490934.89	3610887.50	488.26278	(12060622)	490973.12
3610887.50	481.48639	(12060824)		
491011.35	3610887.50	473.14154	(12060824)	491049.58
3610887.50	481.55278	(12090522)		
491087.81	3610887.50	480.88684	(11010619)	491126.04
3610887.50	516.25469	(11041622)		
491164.27	3610887.50	495.78379	(12060823)	491202.50
3610887.50	486.57881	(11020821)		
491240.73	3610887.50	459.64384	(11020821)	491278.96
3610887.50	449.41793	(11031623)		
491317.19	3610887.50	444.83542	(10061223)	491355.42
3610887.50	420.70548	(12090323)		
491393.65	3610887.50	393.99129	(12090323)	491431.88
3610887.50	413.78520	(12062723)		
491470.11	3610887.50	384.62583	(12062723)	491508.34
3610887.50	375.48578	(10081706)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
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 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491546.57	3610887.50	368.08357 (12052301)	491584.80
3610887.50	363.68306 (12052301)		
491623.03	3610887.50	344.33203 (12080802)	490858.43
3610941.98	477.25537 (12052023)		
490896.66	3610941.98	453.58844 (11021520)	490934.89
3610941.98	427.60530 (12063003)		
490973.12	3610941.98	427.87025 (12062424)	491011.35
3610941.98	428.91594 (12060824)		
491049.58	3610941.98	434.36104 (12060824)	491087.81
3610941.98	474.37548 (12090522)		
491126.04	3610941.98	485.07243 (10040821)	491164.27
3610941.98	474.96817 (11010619)		
491202.50	3610941.98	437.21714 (10032304)	491240.73
3610941.98	399.54434 (12060823)		
491278.96	3610941.98	413.61659 (11082603)	491317.19
3610941.98	410.28322 (11031623)		
491355.42	3610941.98	403.55457 (10061223)	491393.65
3610941.98	381.87735 (10061223)		
491431.88	3610941.98	377.20052 (12090323)	491470.11
3610941.98	353.67967 (12090323)		
491508.34	3610941.98	349.34358 (12062723)	491546.57
3610941.98	340.07807 (12062723)		
491584.80	3610941.98	333.24892 (10081706)	491623.03

3610941.98	330.68349	(12052301)		
490858.43	3610996.46	449.79968	(12052023)	490896.66
3610996.46	427.02350	(11021520)		
490934.89	3610996.46	392.61417	(12060901)	490973.12
3610996.46	363.17654	(12060622)		
491011.35	3610996.46	414.60781	(12062424)	491049.58
3610996.46	434.31735	(12060824)		
491087.81	3610996.46	415.36448	(12060824)	491126.04
3610996.46	449.23782	(12090522)		
491164.27	3610996.46	428.07759	(10092320)	491202.50
3610996.46	408.86597	(11010619)		
491240.73	3610996.46	372.52757	(12052822)	491278.96
3610996.46	382.17308	(12060823)		
491317.19	3610996.46	383.72461	(10061723)	491355.42
3610996.46	376.74563	(11082603)		
491393.65	3610996.46	361.89309	(11031623)	491431.88
3610996.46	340.17427	(10061223)		
491470.11	3610996.46	320.99010	(10061223)	491508.34
3610996.46	319.22421	(12090323)		
491546.57	3610996.46	323.28906	(12090323)	491584.80
3610996.46	313.98971	(12062723)		
491623.03	3610996.46	318.91676	(12062723)	490858.43
3611050.94	396.12147	(12090703)		
490896.66	3611050.94	352.19947	(11033121)	490934.89
3611050.94	354.21760	(12060901)		
490973.12	3611050.94	364.08501	(12063003)	491011.35
3611050.94	356.17690	(12060622)		
491049.58	3611050.94	389.52803	(12062424)	491087.81
3611050.94	424.86628	(12060824)		
491126.04	3611050.94	386.84219	(12090522)	491164.27
3611050.94	398.20300	(12090522)		
491202.50	3611050.94	384.22851	(10092320)	491240.73
3611050.94	386.26583	(11010619)		
491278.96	3611050.94	346.57466	(12052822)	491317.19
3611050.94	335.17559	(12090624)		
491355.42	3611050.94	334.80485	(12060823)	491393.65
3611050.94	333.18477	(11082603)		
491431.88	3611050.94	321.00791	(11031623)	491470.11
3611050.94	296.91678	(12081902)		
491508.34	3611050.94	290.54943	(10061223)	491546.57
3611050.94	278.71069	(12090323)		
491584.80	3611050.94	297.64062	(12090323)	491623.03
3611050.94	289.65426	(12090323)		
490858.43	3611105.42	381.97758	(12060624)	490896.66
3611105.42	350.89333	(12052023)		
490934.89	3611105.42	349.33037	(11021520)	490973.12
3611105.42	320.92683	(12063003)		
491011.35	3611105.42	338.94882	(12063003)	491049.58
3611105.42	413.22083	(12062424)		
491087.81	3611105.42	397.64633	(12060824)	491126.04

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3611105.42      388.53230 (12060824)
                491164.27  3611105.42      362.57491 (12090522)      491202.50
3611105.42      376.54881 (12090522)
                491240.73  3611105.42      362.88817 (10092320)      491278.96
3611105.42      350.76081 (11010619)
                491317.19  3611105.42      316.52406 (12052822)      491355.42
3611105.42      305.63987 (12090624)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORKLIFT ***
                        INCLUDING SOURCE(S):      L0001523      , L0001524
, L0001525      , L0001526      , L0001527      ,
                L0001528      , L0001529      , L0001530      , L0001531      , L0001532
, L0001533      , L0001534      , L0001535      ,
                L0001536      , L0001537      , L0001538      , L0001539      , L0001540
, L0001541      , L0001505      , L0001506      ,
                L0001507      , L0001508      , L0001509      , L0001510      , L0001511
, L0001512      , L0001513      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491393.65	3611105.42	302.51802 (12060823)	491431.88
3611105.42	286.63148 (10061723)		
491470.11	3611105.42	284.73921 (11082603)	491508.34
3611105.42	262.51040 (11031623)		
491546.57	3611105.42	264.70663 (12081902)	491584.80
3611105.42	269.88965 (10061223)		
491623.03	3611105.42	252.40404 (12090323)	490858.43
3611159.90	372.15856 (12060624)		
490896.66	3611159.90	342.74392 (12052023)	490934.89
3611159.90	327.01839 (11021520)		
490973.12	3611159.90	331.84925 (12060901)	491011.35
3611159.90	350.14795 (12063003)		
491049.58	3611159.90	385.11731 (12060622)	491087.81
3611159.90	374.92505 (12062424)		

491126.04	3611159.90	374.22029	(12060824)	491164.27
3611159.90	363.12180	(12060824)		
491202.50	3611159.90	323.71901	(12090522)	491240.73
3611159.90	323.67830	(12090522)		
491278.96	3611159.90	309.23865	(10092320)	491317.19
3611159.90	310.84530	(11010619)		
491355.42	3611159.90	283.18872	(12052822)	491393.65
3611159.90	268.09313	(12090624)		
491431.88	3611159.90	264.77267	(12060823)	491470.11
3611159.90	252.89348	(10061723)		
491508.34	3611159.90	245.05601	(11082603)	491546.57
3611159.90	244.26884	(11031623)		
491584.80	3611159.90	247.41586	(12081902)	491623.03
3611159.90	233.07160	(12081902)		
490858.43	3611214.38	343.89686	(12060624)	490896.66
3611214.38	315.89410	(12090703)		
490934.89	3611214.38	310.48089	(11033121)	490973.12
3611214.38	318.84894	(11021520)		
491011.35	3611214.38	350.13827	(12063003)	491049.58
3611214.38	354.79516	(12063003)		
491087.81	3611214.38	364.54199	(12060622)	491126.04
3611214.38	358.82063	(12062424)		
491164.27	3611214.38	349.06757	(12060824)	491202.50
3611214.38	308.76259	(12060824)		
491240.73	3611214.38	284.99091	(12090522)	491278.96
3611214.38	276.83088	(12090522)		
491317.19	3611214.38	265.30390	(10092320)	491355.42
3611214.38	258.07156	(11010619)		
491393.65	3611214.38	250.42368	(11010619)	491431.88
3611214.38	242.20256	(12050304)		
491470.11	3611214.38	229.05510	(12090624)	491508.34
3611214.38	231.24442	(12060823)		
491546.57	3611214.38	227.94628	(10061723)	491584.80
3611214.38	219.24745	(11082603)		
491623.03	3611214.38	211.07231	(11031623)	490858.43
3611268.86	317.92409	(12060624)		
490896.66	3611268.86	297.27202	(12090703)	490934.89
3611268.86	277.06537	(11033121)		
490973.12	3611268.86	312.15195	(11021520)	491011.35
3611268.86	317.82966	(12060901)		
491049.58	3611268.86	332.78538	(12063003)	491087.81
3611268.86	336.49376	(12060622)		
491126.04	3611268.86	346.43233	(12062424)	491164.27
3611268.86	313.43241	(12060824)		
491202.50	3611268.86	309.50290	(12060824)	491240.73
3611268.86	262.15876	(12060824)		
491278.96	3611268.86	237.68123	(12090522)	491317.19
3611268.86	251.31513	(12090522)		
491355.42	3611268.86	237.03007	(10092320)	491393.65
3611268.86	245.50424	(11010619)		

491431.88	3611268.86	229.46858	(11010619)	491470.11
3611268.86	216.52888	(12052822)		
491508.34	3611268.86	213.26717	(12090624)	491546.57
3611268.86	213.17748	(12060823)		
491584.80	3611268.86	204.38686	(10061723)	491623.03
3611268.86	182.19918	(10100103)		
490858.43	3611323.34	314.00997	(12060624)	490896.66
3611323.34	288.08162	(12090703)		
490934.89	3611323.34	272.82161	(12052023)	490973.12
3611323.34	295.39375	(11021520)		
491011.35	3611323.34	306.05699	(12060901)	491049.58
3611323.34	291.50471	(12063003)		
491087.81	3611323.34	314.30036	(12063003)	491126.04
3611323.34	321.90123	(12060622)		
491164.27	3611323.34	306.81506	(12062424)	491202.50
3611323.34	285.55718	(12060824)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	267.53231	(12060824)	491278.96
3611323.34	224.41029	(12060824)		
491317.19	3611323.34	230.12554	(12090522)	491355.42
3611323.34	228.27881	(12090522)		
491393.65	3611323.34	217.55609	(10092320)	491431.88

3611323.34	216.17712	(11010619)			
491470.11	3611323.34	208.94142	(11010619)		491508.34
3611323.34	193.85932	(12050304)			
491546.57	3611323.34	185.99211	(12090624)		491584.80
3611323.34	176.23607	(12060823)			
491623.03	3611323.34	149.15516	(10100103)		491583.40
3608705.27	383.75064	(11040421)			
491577.37	3608727.37	385.49150	(11040421)		491573.36
3608753.50	384.17756	(12012324)			
491562.30	3608782.64	372.82487	(11050321)		491565.32
3608775.60	378.28208	(11050321)			
491547.23	3608819.81	375.06634	(11050321)		491545.22
3608840.91	367.52526	(11050321)			
491533.16	3608877.09	361.76674	(11050321)		491524.12
3608898.19	371.29300	(11050321)			
491522.11	3608915.27	373.28220	(11050321)		491520.10
3608925.32	373.42125	(11050321)			
491511.06	3608945.41	379.22835	(11050321)		491507.04
3608961.49	386.16200	(11050423)			
491499.00	3608982.59	392.83078	(11050423)		491498.00
3608992.64	395.26925	(11050423)			
491490.96	3609007.71	398.51064	(11050423)		491484.93
3609030.82	408.35036	(11050423)			
491478.91	3609048.91	415.36652	(11050423)		491470.87
3609072.02	418.21761	(12070901)			
491461.82	3609094.12	420.32107	(12070901)		491450.77
3609114.22	427.51204	(12070901)			
491449.77	3609129.29	432.09823	(12070901)		491443.74
3609145.37	434.62129	(12070901)			
491439.72	3609164.46	437.96336	(12070901)		491434.69
3609178.52	444.77253	(12070901)			
491424.65	3609198.62	452.14588	(12070901)		491418.62
3609216.71	455.04301	(11080205)			
491414.60	3609231.78	459.96212	(11080205)		491409.57
3609244.84	464.33267	(11080205)			
491398.52	3609273.98	474.66428	(11080205)		491397.52
3609289.05	478.70304	(11091122)			
491388.47	3609312.16	492.63850	(11091122)		491383.45
3609329.24	505.32876	(11091122)			
491377.42	3609354.36	518.88551	(11091122)		491374.41
3609371.44	523.47552	(11091122)			
491361.34	3609405.61	536.16350	(11102120)		491355.32
3609423.69	544.53056	(11102120)			
491340.24	3609470.92	561.78923	(11102120)		491324.17
3609526.18	577.21979	(11112103)			
491329.19	3609504.08	568.52993	(11112103)		491314.12
3609546.28	581.42813	(11112103)			
491302.06	3609575.42	582.36482	(11112103)		491296.03
3609594.51	581.31904	(11112103)			
491286.99	3609618.62	593.17405	(12041421)		491279.96

3609632.69	601.21327	(12041421)			
	491274.93	3609648.77	613.00484	(12041421)	491269.91
3609666.85	618.84076	(12041421)			
	491264.88	3609679.92	620.63502	(12041421)	491259.86
3609700.01	631.47440	(11111520)			
	491269.76	3609874.49	630.20233	(10082423)	491098.46
3610169.21	875.44227	(12042821)			
	491115.74	3610172.91	867.28545	(11091121)	491105.25
3610150.69	890.57313	(12042821)			
	491109.57	3610134.65	892.50154	(10033124)	491108.33
3610125.39	894.75789	(10033124)			
	491113.27	3610114.29	879.29967	(10032320)	491118.82
3610099.48	865.28080	(10033101)			
	491122.52	3610087.75	847.27872	(11032521)	491127.46
3610070.47	868.46188	(12120619)			
	491131.78	3610051.96	855.67980	(12120619)	491136.72
3610040.85	838.74930	(11042621)			
	491138.57	3610034.07	833.40525	(11042621)	491139.80
3610021.73	800.99622	(11042621)			
	491157.08	3610005.06	769.25175	(11042621)	491166.95
3609998.89	756.46842	(11042621)			
	491178.68	3609984.70	699.71814	(11042621)	491174.98
3609963.10	685.42920	(10082423)			
	491184.23	3609965.57	675.94736	(10040120)	491176.21
3609942.12	683.29520	(10082423)			

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: FORKLIFT ***
 INCLUDING SOURCE(S): L0001523 , L0001524
 , L0001525 , L0001526 , L0001527 ,
 L0001528 , L0001529 , L0001530 , L0001531 , L0001532
 , L0001533 , L0001534 , L0001535 ,
 L0001536 , L0001537 , L0001538 , L0001539 , L0001540
 , L0001541 , L0001505 , L0001506 ,
 L0001507 , L0001508 , L0001509 , L0001510 , L0001511
 , L0001512 , L0001513 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
3609920.53	491184.23	3609944.59	675.85168	(10082423)	491179.91
3609903.25	491191.64	3609922.99	668.28555	(10101020)	491189.17
3609882.27	491198.42	3609906.95	687.52167	(10101020)	491194.72
3609866.84	491205.83	3609887.20	672.08712	(10101020)	491200.89
3609864.99	491205.83	3609849.56	665.08926	(10090921)	491212.62
3609903.25	491303.94	3609929.78	668.91961	(11042621)	491267.54
3609896.46	491277.41	3609879.18	623.25143	(10082423)	491324.31
3610139.59	491135.48	3610120.46	862.34484	(10033124)	491124.99
3610145.14	491130.55	3610141.44	864.57269	(12042821)	491142.89
3610156.25	491165.10	3610151.31	829.57172	(12042821)	491172.51
3610158.72	491183.00	3610155.01	820.50433	(11091121)	491190.40
3610130.33	491197.81	3610138.97	800.59995	(12042821)	491162.02
3610115.52	491150.91	3610113.67	845.85766	(10033124)	491164.49
3610125.39	491178.06	3610123.54	813.25249	(12042821)	491189.17
3610084.05	491197.81	3610126.63	808.54343	(12042821)	491158.93
3610090.84	491175.59	3610088.37	816.34731	(10032320)	491188.55
3610069.86	491202.13	3610096.39	789.52178	(10033124)	491252.11
3610128.48	491240.39	3610095.77	749.63142	(12101605)	491232.36
3610179.70	491220.02	3610152.55	777.54170	(11091121)	491213.85
3610095.16	491204.60	3610206.85	835.04735	(10120403)	491297.77
3610169.21	491316.29	3610102.56	675.25150	(12042821)	491271.24
3609806.98	491296.54	3610170.44	734.06619	(10120403)	491224.34
3609769.96	491232.36	3609786.00	651.57604	(10041824)	491240.39
		650.28324	(11111520)		

491245.94	3609753.92	655.05683	(11111520)	491250.26
3609731.08	652.77596	(11111520)		
491255.20	3609716.89	642.89319	(11111520)	491354.41
3609557.94	575.94699	(12041421)		
491349.69	3609575.67	582.56061	(12041421)	491331.95
3609630.05	611.43238	(11111520)		
491310.67	3609696.25	614.76571	(10041824)	491301.22
3609737.63	614.94031	(10041824)		
491289.40	3609771.91	608.91389	(10090921)	491276.39
3609801.46	634.74637	(10101020)		
491310.67	3609805.01	621.72799	(10101020)	492077.18
3610785.74	227.41612	(12060306)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490903.38	490928.68	490953.98
490979.28	491004.58		

 3610794.6 | 440.24835 (12062424) 475.60365 (12060824) 444.53481 (11020821)
 462.86616 (12090522) 493.32442 (12090522)
 3610785.6 | 436.83291 (12060824) 476.95123 (12060824) 449.54453 (11020821)
 484.26689 (12090522) 491.11768 (12090522)
 3610776.7 | 459.66543 (12060824) 483.74809 (12060824) 461.07366 (11020821)
 502.58680 (12090522) 489.63695 (10040821)
 3610767.7 | 489.58271 (12060824) 490.63228 (12060824) 474.14153 (11020821)

521.56171 (12090522)	514.14850 (10040821)		
3610758.7 | 516.56074 (12060824)	492.60216 (12060824)	505.99669 (12090522)	
535.44832 (12090522)	534.78865 (10040821)		
3610749.8 | 535.57920 (12060824)	500.89519 (11020821)	535.69956 (12090522)	
543.23498 (12090522)	550.18162 (10040821)		
3610740.8 | 538.64172 (12060824)	503.63330 (11020821)	553.74546 (12090522)	
535.86690 (12090522)	558.56993 (11010619)		
3610731.9 | 537.71578 (12060824)	509.89797 (12090522)	566.81479 (12090522)	
557.14065 (10040821)	569.46314 (11010619)		
3610722.9 | 532.58640 (12060824)	536.86866 (12090522)	574.01730 (12090522)	
574.97051 (10040821)	572.69253 (11010619)		
3610713.9 | 526.89047 (12060824)	561.36483 (12090522)	578.82242 (12090522)	
586.12780 (10040821)	572.24629 (11010619)		
3610705.0 | 516.42581 (12060824)	576.72740 (12090522)	572.20268 (12090522)	
602.34853 (11010619)	586.74929 (11041622)		
3610696.0 | 517.55389 (12090522)	577.45958 (12090522)	599.19164 (10040821)	
617.16787 (11010619)	599.06822 (11041622)		
3610687.1 | 549.06871 (12090522)	577.07935 (12090522)	611.87236 (10040821)	
622.52240 (11010619)	601.53244 (11041622)		
3610678.1 | 579.78740 (12090522)	579.51348 (10040821)	606.81527 (10040821)	
620.26104 (11041622)	592.89890 (11041622)		
3610669.1 | 599.14484 (12090522)	605.57358 (10040821)	584.20151 (11041622)	
638.17930 (11041622)	596.63643 (12090624)		
3610660.2 | 611.20104 (12090522)	608.36280 (10040821)	594.68080 (11041622)	
640.67863 (11041622)	622.66222 (12060823)		
3610651.2 | 605.01057 (12090522)	615.36882 (10040821)	609.18631 (11041622)	
605.66649 (12090624)	640.26428 (12060823)		
3610642.3 | 606.70376 (10040821)	632.10455 (10040821)	596.89850 (11041622)	
621.13507 (12090624)	664.26286 (11020821)		
3610633.3 | 621.52183 (10040821)	630.79749 (11041622)	603.06473 (11041622)	
623.20773 (12090222)	691.58826 (11020821)		
3610624.3 | 600.11645 (10040821)	641.85494 (11041622)	604.24695 (11041622)	
637.69868 (12090222)	689.88971 (11020821)		
3610615.4 646.28931 (10040821)	618.19867 (11041622)	623.38850 (12090624)	
650.88344 (12090222)	685.04230 (12060822)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414

, L0001415 , L0001416 , L0001417 ,
 , L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491029.88	491055.18	491080.48
	491105.78	491131.08	

3610794.6 |	496.77462 (10040821)	510.36575 (11010619)	507.87629 (11041622)
465.24484	(12090624)	485.71480 (12060823)	
3610785.6 |	511.42358 (10040821)	510.19413 (11010619)	510.01633 (11041622)
478.07124	(12090624)	491.90148 (12060823)	
3610776.7 |	522.24186 (11010619)	508.25896 (11010619)	505.64323 (11041622)
489.76903	(12060823)	501.80031 (11020821)	
3610767.7 |	533.39211 (11010619)	519.83516 (11041622)	494.27968 (11041622)
506.33609	(12060823)	523.63205 (11020821)	
3610758.7 |	543.22143 (11010619)	525.52300 (11041622)	496.93038 (12090624)
514.09593	(12060823)	541.26026 (11020821)	
3610749.8 |	540.87025 (11010619)	529.43621 (11041622)	509.36892 (12060823)
524.38204	(11020821)	552.52867 (11020821)	
3610740.8 |	541.20619 (11041622)	520.39400 (11041622)	523.66160 (12060823)
548.92562	(11020821)	555.49791 (11020821)	
3610731.9 |	556.46791 (11041622)	512.26848 (12090624)	533.12593 (12060823)
568.30001	(11020821)	554.52136 (11020821)	
3610722.9 |	559.00013 (11041622)	526.15330 (12090624)	543.78818 (11020821)
585.89598	(11020821)	557.79740 (12060822)	
3610713.9 |	557.94100 (11041622)	542.39184 (12060823)	576.42647 (11020821)
587.76783	(11020821)	561.97368 (12060822)	
3610705.0 |	542.42087 (11041622)	553.81830 (12060823)	597.53406 (11020821)
577.99576	(11020821)	574.20668 (10061223)	
3610696.0 |	558.86270 (12090624)	570.59179 (11020821)	609.36292 (11020821)
591.61101	(12060822)	588.96690 (10061223)	
3610687.1 |	581.96492 (12060823)	600.79245 (11020821)	609.43687 (11020821)
593.54161	(12060822)	595.72758 (10061223)	
3610678.1 |	596.25512 (12060823)	629.13533 (11020821)	606.07472 (12060822)
607.66546	(10061223)	598.29948 (10061223)	
3610669.1 |	615.20447 (11020821)	646.62064 (11020821)	621.47276 (12060822)
626.52943	(10061223)	598.76677 (12090323)	
3610660.2 |	649.90497 (11020821)	649.96961 (11020821)	629.01281 (10061223)
629.02554	(10061223)	625.62750 (12090323)	
3610651.2 |	680.23381 (11020821)	650.86737 (12060822)	649.30237 (10061223)
624.48840	(10061223)	645.23087 (12100221)	

3610642.3 |	696.79721 (11020821)	669.30103 (12060822)	664.70111 (10061223)
646.04062 (12090323)	664.00179 (12100221)		
3610633.3 |	690.56886 (11020821)	685.39165 (10061223)	666.20076 (10061223)
667.11568 (12100221)	678.31223 (12100221)		
3610624.3 |	697.61467 (12060822)	709.25372 (10061223)	676.40151 (12090323)
696.94275 (12100221)	675.84280 (12062723)		
3610615.4	701.09523 (12060822)	712.90092 (10061223)	706.22692 (12100221)
715.11819 (12100221)	703.70060 (10081706)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491156.38	491181.68	491206.98
491232.28	491257.58		

3610794.6 |	494.96519 (11020821)	495.27993 (11020821)	480.06417 (12060822)
469.19998 (10061223)	452.50684 (10061223)		
3610785.6 |	516.23753 (11020821)	492.21879 (11020821)	481.76148 (12060822)
476.26081 (10061223)	452.57421 (10061223)		
3610776.7 |	526.88173 (11020821)	490.63097 (12060822)	493.35151 (10061223)
484.63411 (10061223)	470.58117 (12090323)		
3610767.7 |	530.54818 (11020821)	502.23104 (12060822)	504.18936 (10061223)
481.69583 (10061223)	482.67753 (12090323)		
3610758.7 |	525.86935 (11020821)	502.54603 (12060822)	516.27632 (10061223)
482.91924 (12090323)	496.85878 (12090323)		
3610749.8 |	531.47233 (12060822)	519.27857 (10061223)	516.75673 (10061223)

497.46699 (12090323)	505.16717 (12100221)		
3610740.8 | 537.07213 (12060822)	529.63422 (10061223)	510.11519 (10061223)	
514.21895 (12090323)	520.31698 (12100221)		
3610731.9 | 543.40287 (10061223)	539.93805 (10061223)	522.55696 (12090323)	
529.21885 (12100221)	523.88821 (12100221)		
3610722.9 | 558.74283 (10061223)	542.77040 (10061223)	537.10820 (12090323)	
540.64732 (12100221)	532.16479 (12062723)		
3610713.9 | 573.94548 (10061223)	541.82552 (12090323)	553.40794 (12100221)	
552.63520 (12100221)	533.34694 (12062723)		
3610705.0 | 575.45649 (10061223)	565.39038 (12090323)	574.11450 (12100221)	
558.79853 (12062723)	550.73110 (10081706)		
3610696.0 | 567.33707 (10061223)	584.06746 (12090323)	582.37505 (12100221)	
567.05001 (12062723)	564.66652 (10081706)		
3610687.1 | 587.76434 (12090323)	607.89778 (12100221)	588.67253 (12100221)	
592.56122 (10081706)	571.98079 (10081706)		
3610678.1 | 604.88700 (12090323)	619.42679 (12100221)	596.48106 (12062723)	
602.34725 (10081706)	570.79966 (10081706)		
3610669.1 | 629.55019 (12100221)	627.92703 (12100221)	622.95443 (10081706)	
603.89655 (10081706)	567.88925 (12052301)		
3610660.2 | 644.53825 (12100221)	627.36305 (12062723)	648.23901 (10081706)	
588.38639 (10081706)	580.12461 (12062423)		
3610651.2 | 649.26743 (12100221)	648.36716 (10081706)	658.04015 (10081706)	
599.25313 (12052301)	605.43458 (12062423)		
3610642.3 | 641.86771 (12062723)	662.48975 (10081706)	649.10745 (10081706)	
617.64365 (12062423)	622.75747 (12062423)		
3610633.3 | 655.63793 (10081706)	665.80155 (10081706)	651.34159 (12052301)	
643.61597 (12062423)	640.09406 (10082301)		
3610624.3 | 670.91630 (10081706)	662.79380 (10081706)	679.67708 (12062423)	
659.60382 (12062423)	654.26140 (10082301)		
3610615.4 688.77582 (10081706)	670.72668 (12062423)	691.47702 (12062423)	
680.23481 (10082301)	662.49325 (11040305)		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491282.88	491384.08	491308.18	X-COORD (METERS) 491333.48
---------------------	-----------	-----------	-----------	-------------------------------

3610794.6 |	447.65609 (12090323)	452.07866 (12090323)	450.79849 (12100221)
411.92859 (12062723)	398.03696 (10081706)		
3610785.6 |	462.48399 (12090323)	458.20756 (12100221)	456.33788 (12062723)
409.96743 (12062723)	415.49815 (10081706)		
3610776.7 |	468.86938 (12090323)	463.03126 (12100221)	459.28703 (12062723)
430.32979 (10081706)	430.31396 (10081706)		
3610767.7 |	481.40597 (12100221)	473.00151 (12062723)	458.64139 (10081706)
449.76985 (10081706)	435.50880 (10081706)		
3610758.7 |	488.09029 (12100221)	482.42041 (12062723)	471.23015 (10081706)
472.19388 (10081706)	452.52931 (12052301)		
3610749.8 |	490.35938 (12062723)	482.11133 (10081706)	480.60613 (10081706)
484.12321 (10081706)	465.71401 (12052301)		
3610740.8 |	501.16062 (12062723)	496.40778 (10081706)	491.87709 (10081706)
486.84456 (12052301)	475.11327 (12052301)		
3610731.9 |	501.25550 (12062723)	507.11253 (10081706)	497.68764 (10081706)
495.29253 (12052301)	481.77213 (12062423)		
3610722.9 |	516.59785 (10081706)	512.76405 (10081706)	506.72498 (12052301)
499.71858 (12062423)	494.83283 (12062423)		
3610713.9 |	535.15427 (10081706)	512.01548 (10081706)	515.32102 (12052301)
517.92401 (12062423)	505.58872 (12080802)		
3610705.0 |	548.32281 (10081706)	516.45858 (12052301)	523.76014 (12062423)
530.95401 (12062423)	519.55755 (10082301)		
3610696.0 |	554.18247 (10081706)	524.87661 (12052301)	535.10456 (12062423)
551.36029 (10082301)	523.72139 (11040305)		
3610687.1 |	561.73799 (12052301)	535.14022 (12062423)	539.92113 (12062423)
564.87924 (10082301)	542.14778 (11040305)		
3610678.1 |	558.96666 (12062423)	553.12837 (12062423)	555.69914 (10082301)
573.22537 (11040305)	569.65625 (10041603)		
3610669.1 |	569.23485 (12062423)	564.78345 (10082301)	567.10044 (10082301)
583.82835 (11040305)	600.41420 (10041603)		
3610660.2 |	571.99865 (12062423)	574.90141 (10082301)	579.01820 (11040305)
589.16668 (10041603)	623.04037 (10041603)		
3610651.2 |	586.29167 (10082301)	584.15948 (11040305)	594.18945 (10041603)
604.65934 (10041603)	617.34644 (10041603)		
3610642.3 |	602.39558 (10082301)	604.38566 (11040305)	608.43216 (10041603)
610.75206 (10041603)	630.96422 (10111905)		
3610633.3 |	612.30668 (11040305)	616.17628 (10041603)	620.06700 (10041603)
613.21042 (10111905)	658.46164 (10111905)		

3610624.3 | 629.87068 (11040305) 627.00015 (10041603) 614.30923 (10041603)
 650.03019 (10111905) 678.41563 (10111905)
 3610615.4 | 644.88439 (10041603) 620.34058 (10041603) 633.39675 (10111905)
 680.34907 (10111905) 704.65298 (10061623)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
 (METERS) | 491409.38

 3610794.6 | 402.80428 (10081706)
 3610785.6 | 413.14606 (10081706)
 3610776.7 | 430.19408 (12052301)
 3610767.7 | 447.99870 (12052301)
 3610758.7 | 457.50644 (12052301)
 3610749.8 | 473.18506 (12062423)
 3610740.8 | 493.43979 (12062423)
 3610731.9 | 509.04831 (12062423)
 3610722.9 | 531.04831 (10082301)
 3610713.9 | 541.02878 (10082301)
 3610705.0 | 544.56475 (11040305)
 3610696.0 | 546.52613 (11040305)
 3610687.1 | 558.63507 (10041603)
 3610678.1 | 572.46177 (10041603)
 3610669.1 | 584.30029 (10041603)
 3610660.2 | 588.35357 (10111905)

3610651.2 | 617.31992 (10111905)
 3610642.3 | 646.93942 (10111905)
 3610633.3 | 663.21160 (10061623)
 3610624.3 | 691.44403 (10061623)
 3610615.4 | 710.20841 (10061623)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)			X-COORD (METERS)
	490964.36	490985.16	491005.96
491026.76		491047.56	

 3610598.0 | 653.42586 (12090222) 685.91082 (12060822) 710.66710 (12081902)
 741.90563 (10061223) 709.68882 (12090323)
 3610584.7 | 653.79071 (12090222) 700.23409 (12081902) 701.66862 (10061223)
 729.00038 (12090323) 762.11238 (12100221)
 3610571.5 | 704.11706 (12081902) 694.18489 (12081902) 702.68650 (12090323)
 773.30296 (12100221) 802.02533 (12100221)
 3610558.3 | 711.60915 (12081902) 698.95983 (12090323) 730.83335 (12090323)
 775.18009 (12100221) 812.05959 (10081706)
 3610545.1 | 717.07193 (12081902) 747.79443 (12090323) 746.60540 (12100221)
 818.16449 (10081706) 842.72974 (10081706)
 3610531.9 | 774.95036 (12090323) 778.74340 (12100221) 782.14535 (10081706)
 833.08133 (10081706) 864.18890 (10082303)
 3610518.7 | 825.22951 (12090323) 816.16374 (10081706) 819.91409 (10081706)
 846.87137 (10082303) 870.71255 (10082301)

3610505.5 |	838.60052 (10081706)	866.72067 (10081706)	883.09298 (10082303)
912.74372 (10082303)	885.38578 (10082301)		
3610492.3 |	888.61118 (10081706)	907.96624 (10082303)	929.44628 (10082303)
941.78681 (12090701)	884.11515 (12090701)		
3610479.1 |	944.87063 (10082303)	947.75135 (10082301)	974.29779 (12090701)
954.28072 (12090701)	885.52099 (12090723)		
3610465.9 |	994.87101 (10082303)	1010.54255 (12090701)	988.00841 (12090701)
913.81781 (12090723)	966.55597 (12090723)		
3610452.6 |	1064.78721 (12090701)	1029.45700 (12090701)	976.78999 (12090723)
1005.43604 (12090723)	1013.17617 (12090723)		
3610439.4 |	1074.31791 (12090701)	1041.64730 (12090723)	1071.78106 (12090723)
1077.17488 (11041621)	1092.13980 (11041621)		
3610426.2 |	1115.03407 (12090723)	1117.06975 (11041621)	1157.87420 (11041621)
1135.97970 (11041621)	1093.86169 (11041621)		
3610413.0 |	1223.16264 (11041621)	1217.61433 (11041621)	1170.42889 (11041621)
1113.47765 (12082103)	1114.72395 (12082103)		
3610399.8 |	1320.15591 (11041621)	1215.90849 (11041621)	1179.16682 (12082103)
1170.25209 (10071502)	1149.48390 (10071502)		
3610386.6 |	1330.00087 (12082103)	1287.16843 (10071502)	1223.66932 (10071502)
1176.12833 (11021319)	1131.28494 (11021319)		
3610373.4 |	1384.93581 (10071502)	1303.26489 (11021319)	1200.57360 (12080702)
1206.57540 (12080702)	1188.25364 (12080702)		
3610360.2 |	1393.61822 (12080702)	1361.20248 (12080702)	1282.55494 (12080702)
1265.03172 (11103019)	1241.94358 (11103019)		
3610347.0 |	1456.76213 (11103019)	1427.95959 (11103019)	1356.74207 (11103019)
1289.75486 (11103019)	1217.19067 (11103019)		
3610333.8	1484.95222 (11103019)	1413.75033 (11082824)	1355.91197 (10101019)
1300.69292 (10101019)	1262.76341 (10101019)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491068.36		491089.16	491109.96
	491130.76	491151.56		

3610598.0 |	755.00591 (12100221)	753.17598 (12100221)	752.84386 (10081706)
762.41284 |	(10081706) 709.49855 (12052301)		
3610584.7 |	783.77949 (12100221)	775.60845 (10081706)	784.92042 (10081706)
755.99434 |	(12062423) 773.28974 (12062423)		
3610571.5 |	798.07380 (10081706)	814.94480 (10081706)	777.28157 (12062423)
819.36559 |	(12062423) 811.49491 (10082301)		
3610558.3 |	834.51633 (10081706)	813.67524 (10081706)	852.40935 (12062423)
845.95725 |	(10082301) 832.08323 (10082301)		
3610545.1 |	842.86998 (10082303)	881.14033 (10082303)	896.29548 (10082301)
871.21131 |	(10082301) 849.57954 (10041603)		
3610531.9 |	900.78314 (10082303)	906.28698 (10082301)	883.56997 (10082301)
884.91388 |	(10041603) 851.44774 (10041603)		
3610518.7 |	930.06887 (10082301)	890.29668 (10082301)	870.26574 (10041603)
870.95513 |	(10041603) 900.72117 (10111905)		
3610505.5 |	899.16807 (10082301)	877.12181 (10041603)	884.97553 (10111905)
939.90386 |	(10111905) 964.85875 (12090723)		
3610492.3 |	895.08035 (10041603)	918.52814 (10111905)	961.04280 (12090723)
983.87623 |	(12090723) 964.06892 (12090723)		
3610479.1 |	965.50058 (12090723)	1001.28171 (12090723)	997.09550 (12090723)
1006.48412 |	(11041621) 1021.57947 (11041621)		
3610465.9 |	1013.61501 (12090723)	1019.92541 (11041621)	1041.26139 (11041621)
1027.03352 |	(11041621) 998.32558 (11041621)		
3610452.6 |	1042.90191 (11041621)	1069.34677 (11041621)	1032.10017 (11041621)
972.19794 |	(12082103) 1010.84834 (12082103)		
3610439.4 |	1068.52700 (11041621)	1010.19317 (10082424)	1037.49485 (12082103)
1016.92911 |	(10071502) 1051.21801 (10071502)		
3610426.2 |	1058.35938 (12082103)	1065.44542 (10071502)	1090.58937 (10071502)
1030.84094 |	(10071502) 1037.30662 (10071624)		
3610413.0 |	1106.48461 (10071502)	1088.21603 (10071502)	1060.25834 (11021319)
1017.34651 |	(11021319) 992.26756 (11031921)		
3610399.8 |	1110.01594 (11021319)	1065.52866 (11021319)	1037.28024 (12080702)
1033.72369 |	(12080702) 1022.49828 (12080702)		
3610386.6 |	1110.49396 (12080702)	1090.97457 (12080702)	1074.12707 (12080702)
1072.62065 |	(11103019) 1056.99804 (11103019)		
3610373.4 |	1144.85356 (12080702)	1133.79410 (11103019)	1128.88131 (11103019)
1109.40893 |	(11103019) 1088.00966 (11103019)		
3610360.2 |	1210.49052 (11103019)	1168.41918 (11103019)	1123.39328 (11103019)
1081.76526 |	(11082824) 1083.91008 (10101019)		
3610347.0 |	1198.16058 (10101019)	1180.84807 (10101019)	1151.34061 (10101019)
1140.16770 |	(10101019) 1118.86508 (10101019)		
3610333.8	1231.43067 (10101019)	1209.98455 (10021719)	1182.01066 (10021719)

1177.78605 (10021719) 1162.91582 (10021719)
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
491234.76	491255.56		

3610598.0 |	720.39987 (12062423)	701.09160 (10082301)	702.38246 (10082301)
690.94568	(11040305)	688.18264 (10041603)	
3610584.7 |	755.83861 (10082301)	731.50355 (10082301)	717.90442 (11040305)
721.77090	(10041603)	683.10195 (10041603)	
3610571.5 |	785.63258 (10082301)	747.70267 (10041603)	741.91503 (10041603)
725.56513	(10111905)	730.44588 (10111905)	
3610558.3 |	801.67832 (10041603)	769.39720 (10041603)	744.42677 (10111905)
787.36591	(10111905)	768.27921 (10061623)	
3610545.1 |	810.93630 (10041603)	792.18964 (10111905)	803.13088 (10111905)
834.12779	(10061623)	815.64578 (10061623)	
3610531.9 |	849.04798 (10111905)	840.21546 (10111905)	853.21093 (10061623)
865.07584	(10061623)	838.39787 (11041621)	
3610518.7 |	905.33556 (10061623)	903.56585 (10061623)	878.92912 (10061623)
888.93853	(11041621)	901.24285 (11041621)	
3610505.5 |	951.79062 (10061623)	928.07652 (11041621)	937.76383 (11041621)
919.41668	(11041621)	914.91544 (11041621)	
3610492.3 |	987.17696 (11041621)	982.25985 (11041621)	946.04355 (11041621)
919.30024	(10082424)	945.74651 (10082424)	

3610479.1	|	1010.76501	(11041621)	972.40686	(10082424)	965.89829	(10082424)
936.79982		(12082103)	966.64335	(10071502)			
3610465.9	|	998.29148	(10082424)	1002.67288	(10082424)	1000.38209	(10071502)
992.49987		(10071502)	997.24219	(10071502)			
3610452.6	|	1019.13840	(10071502)	1031.07377	(10071502)	1016.77787	(10071502)
1015.63434		(10071624)	990.65310	(10071624)			
3610439.4	|	1046.08503	(10071502)	1025.10512	(10071624)	1013.38645	(10071624)
976.09584		(10071624)	987.31209	(11031921)			
3610426.2	|	1020.62167	(10071624)	999.59478	(11031921)	1002.60375	(11031921)
987.58343		(11031921)	992.98829	(11031921)			
3610413.0	|	1009.92381	(11031921)	1018.20047	(11031921)	997.60835	(12080702)
978.52451		(12080702)	1005.16578	(11103019)			
3610399.8	|	1008.93387	(12080702)	1033.20316	(11103019)	1039.31398	(11103019)
1036.79077		(11103019)	1046.69346	(11103019)			
3610386.6	|	1070.17099	(11103019)	1058.62836	(11103019)	1037.07891	(11103019)
1031.40495		(11103019)	1016.02290	(11103019)			
3610373.4	|	1049.60205	(11103019)	1037.86516	(11082824)	1026.81671	(11082824)
1038.19749		(11082824)	1029.03690	(11082824)			
3610360.2	|	1063.76992	(10101019)	1057.03523	(10101019)	1052.26463	(10101019)
1057.96348		(10101019)	1037.71642	(10101019)			
3610347.0	|	1086.35747	(10021719)	1067.05602	(10021719)	1067.44442	(10021719)
1067.95843		(10021719)	1043.43768	(10021719)			
3610333.8		1145.85665	(10021719)	1117.73449	(10021719)	1069.20170	(10021719)
1061.11809		(10021719)	1057.76893	(10021719)			

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 331

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |

X-COORD (METERS)

(METERS)	491276.36	491297.16	491317.96
491338.76	491359.56		

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-----
3610598.0 | 655.40996 (10041603) 648.93994 (10111905) 663.44910 (10111905)
680.93977 (10061623) 736.77804 (10061623)
3610584.7 | 688.84377 (10111905) 686.37838 (10111905) 685.30072 (10061623)
706.82604 (10061623) 743.02683 (10061623)
3610571.5 | 730.88475 (10111905) 720.58634 (10061623) 703.94079 (10061623)
703.17501 (10061623) 763.78126 (11041621)
3610558.3 | 772.39939 (10061623) 739.98427 (10061623) 709.62273 (11041621)
745.59730 (11041621) 774.82859 (11041621)
3610545.1 | 789.95881 (10061623) 768.80592 (11041621) 755.14497 (11041621)
750.82200 (11041621) 738.81323 (11041621)
3610531.9 | 836.41229 (11041621) 804.54158 (11041621) 762.92001 (11041621)
762.09137 (10082424) 776.60597 (10082424)
3610518.7 | 865.38314 (11041621) 814.44888 (10082424) 791.96919 (10082424)
788.50357 (10082424) 838.57908 (10071502)
3610505.5 | 883.38076 (10082424) 858.18581 (10082424) 825.27570 (12082103)
828.09019 (10071502) 850.42656 (10071502)
3610492.3 | 898.08310 (12082103) 889.44353 (10071502) 876.14670 (10071502)
848.54119 (10071502) 823.81267 (11021319)
3610479.1 | 948.96263 (10071502) 929.62826 (10071502) 895.84898 (10071624)
851.38031 (10071624) 900.36320 (10071624)
3610465.9 | 961.58739 (10071624) 939.80052 (10071624) 897.31281 (10071624)
855.83954 (11031921) 871.47035 (11031921)
3610452.6 | 950.99392 (10071624) 938.47987 (11031921) 920.19294 (11031921)
884.16985 (11031921) 871.50630 (11031921)
3610439.4 | 979.69777 (11031921) 961.13519 (11031921) 918.33053 (11031921)
878.08547 (12080702) 851.23965 (11040422)
3610426.2 | 947.71297 (12080702) 943.35218 (10080224) 942.75344 (11040422)
934.72096 (11040422) 910.19831 (11040422)
3610413.0 | 995.26506 (11103019) 1000.39151 (11103019) 1000.97352 (11103019)
970.40241 (11040422) 907.82092 (11040422)
3610399.8 | 1019.73368 (11103019) 999.75488 (11103019) 983.78218 (11103019)
952.78530 (11082824) 898.86730 (11082824)
3610386.6 | 1007.12174 (11082824) 1003.56164 (11082824) 1009.94905 (11082824)
977.02668 (11082824) 899.41756 (10101019)
3610373.4 | 1017.04007 (10101019) 1016.60619 (10101019) 1012.78884 (10101019)
987.02997 (10101019) 905.93049 (10101019)
3610360.2 | 1022.07982 (10101019) 997.09813 (10101019) 988.02303 (10021719)
998.78894 (10021719) 912.45263 (10021719)
3610347.0 | 1049.17300 (10021719) 1030.25585 (10021719) 1014.59988 (10021719)
1018.05291 (10021719) 918.14388 (10021719)
3610333.8 | 1046.29044 (10021719) 1019.86381 (10021719) 993.98284 (10021719)
944.41540 (11041823) 886.87537 (11041823)

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^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***

*** 06:51:10

PAGE 332

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***

INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|	X-COORD (METERS)
(METERS)	|	491380.36

3610598.0	|	747.94738 (10061623)
3610584.7	|	753.55336 (11041621)
3610571.5	|	783.91656 (11041621)
3610558.3	|	771.22817 (11041621)
3610545.1	|	766.48065 (10082424)
3610531.9	|	771.71104 (12082103)
3610518.7	|	852.79220 (10071502)
3610505.5	|	871.89254 (10071502)
3610492.3	|	879.70691 (10071624)
3610479.1	|	822.88807 (11031921)
3610465.9	|	824.46915 (11031921)
3610452.6	|	800.80378 (12080702)
3610439.4	|	813.51148 (11040422)
3610426.2	|	823.39406 (11040422)
3610413.0	|	774.80862 (11040422)
3610399.8	|	827.78651 (11082824)
3610386.6	|	864.79951 (10101019)
3610373.4	|	867.58969 (10101019)
3610360.2	|	885.09032 (10021719)
3610347.0	|	880.75052 (10021719)
3610333.8	|	857.27839 (10041721)

*** AERMET - VERSION 22112 ***
*** 06:51:10

PAGE 333

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUS ***
INCLUDING SOURCE(S): L0001397 , L0001398
, L0001399 , L0001400 , L0001401 ,
L0001402 , L0001403 , L0001404 , L0001405 , L0001406
, L0001407 , L0001408 , L0001409 ,
L0001410 , L0001411 , L0001412 , L0001413 , L0001414
, L0001415 , L0001416 , L0001417 ,
L0001418 , L0001419 , L0001420 , L0001421 , L0001422
, L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491410.15	491360.32	491376.93	491393.54
	491426.76		

3610184.5 | 918.33567 (10081623) 905.49367 (10081623) 876.95239 (10081623)
877.85228 (10081623) 854.92737 (10081623)
3610142.8 | 851.23916 (10071501) 876.82768 (10071501) 867.76613 (10071501)
832.50323 (11092822) 833.86671 (11092822)
3610101.2 | 832.80863 (10120403) 847.83279 (10120403) 828.61027 (10120403)
795.01853 (10052921) 789.39679 (10052921)
3610059.6 | 810.10114 (10090221) 806.28978 (10090221) 800.96304 (10090221)
773.50102 (10090221) 748.33946 (12050723)
3610018.0 | 759.19233 (11062622) 757.71839 (11091121) 756.85873 (11091121)
745.69135 (11091121) 729.89556 (11091121)
3609976.4 | 705.96300 (12042821) 711.84719 (12042821) 713.54259 (12042821)
705.21935 (12042821) 680.81678 (12042821)
3609934.8 | 649.60458 (11051223) 650.77182 (11051223) 644.25569 (12022520)
645.01650 (12022520) 631.29567 (12022520)
3609893.2 | 641.89983 (10032320) 645.39074 (10033124) 643.56374 (10033124)
632.25771 (10033124) 619.88401 (10033124)
3609851.6 | 622.12697 (10071423) 611.63088 (12011919) 595.99358 (12011919)
601.02751 (12011919) 599.80686 (12011919)
3609810.0 | 605.41545 (10033101) 583.65557 (11071724) 562.54248 (11071724)
578.17707 (10033101) 572.89151 (12011919)
3609768.4 | 554.76797 (12120619) 590.28970 (11032521) 583.86026 (11032521)

575.06094 (10071424)	577.16047 (11071724)		
3609726.7 | 527.98828 (12120619)	533.25297 (12120619)	533.68824 (12120619)	
571.30555 (11032521)	573.61147 (11032521)		
3609685.1 | 525.54670 (11042621)	523.42395 (11042621)	518.06387 (11042621)	
527.00049 (11042621)	538.92813 (12120619)		
3609643.5 | 486.09536 (11042621)	501.22804 (11042621)	508.79379 (11042621)	
504.56934 (11042621)	505.07807 (11042621)		
3609601.9 | 469.44280 (10040120)	473.82147 (10040120)	474.50427 (10040120)	
473.63645 (10040120)	475.11920 (11042621)		
3609560.3 | 466.80760 (10082423)	457.24016 (10082423)	451.44749 (10082423)	
453.89220 (10040120)	456.13941 (10040120)		
3609518.7 | 466.18090 (10082423)	463.34183 (10082423)	457.74111 (10082423)	
450.38000 (10082423)	444.09278 (10082423)		
3609477.1 | 480.85083 (10101020)	463.88291 (10101020)	448.84949 (10101020)	
446.40914 (10082423)	446.93239 (10082423)		
3609435.5 | 488.18077 (10101020)	484.30514 (10101020)	475.21840 (10101020)	
465.74788 (10101020)	452.04715 (10101020)		
3609393.9 | 467.62697 (10090921)	469.78716 (10090921)	473.38692 (10101020)	
473.10068 (10101020)	466.62107 (10101020)		
3609352.2 | 452.22395 (10091101)	446.71130 (10091101)	451.56787 (10090921)	
456.89329 (10090921)	455.89070 (10090921)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 , L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 , L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 , L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD		X-COORD (METERS)
(METERS)	491443.37	491459.98
491493.20	491509.81	491476.59

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3610184.5 |      823.18171 (10081623)    757.67680 (10081623)    709.16033 (10030323)
  680.09784 (10030323)    685.10281 (10030323)
3610142.8 |      826.34066 (11092822)    794.45330 (11092822)    743.68551 (11092822)
  672.75360 (11092822)    692.90527 (11092822)
3610101.2 |      795.70088 (10052921)    777.86601 (10052921)    730.50934 (10012920)
  674.07260 (10012920)    665.46738 (10012920)
3610059.6 |      730.82226 (10062422)    740.73298 (10062422)    727.88971 (10062422)
  698.12314 (10062422)    643.37156 (10062422)
3610018.0 |      712.65352 (11083021)    692.90555 (11083021)    676.05957 (11083021)
  666.51700 (12050723)    646.54747 (12050723)
3609976.4 |      665.56052 (11062622)    645.28523 (11062622)    640.02732 (11062622)
  631.51079 (11062622)    626.72278 (11091121)
3609934.8 |      629.55349 (12042821)    625.88085 (12042821)    618.87994 (12042821)
  614.50013 (12042821)    600.58914 (12042821)
3609893.2 |      612.17588 (11051223)    598.04806 (11051223)    585.50849 (11051223)
  572.93156 (12022520)    572.11492 (12022520)
3609851.6 |      591.22964 (12011919)    579.79196 (10032320)    577.53959 (10033124)
  576.42222 (10033124)    572.60258 (10033124)
3609810.0 |      575.23961 (12011919)    572.65903 (12011919)    573.24584 (12011919)
  567.74613 (12011919)    564.56066 (12011919)
3609768.4 |      573.55997 (11071724)    553.41609 (11071724)    548.45972 (11071724)
  552.55540 (10033101)    552.64207 (10033101)
3609726.7 |      568.81378 (11032521)    565.12014 (11032521)    559.95821 (10071424)
  548.69973 (10071424)    550.36659 (10071424)
3609685.1 |      548.90556 (12120619)    553.09196 (12120619)    551.64059 (11032521)
  550.33815 (11032521)    556.77815 (11032521)
3609643.5 |      506.60632 (11042621)    506.14940 (11042621)    519.30602 (11042621)
  524.82004 (12120101)    534.27580 (12120619)
3609601.9 |      483.94749 (11042621)    487.55459 (11042621)    492.04877 (11042621)
  523.12182 (11042621)    530.84958 (11042621)
3609560.3 |      456.25377 (10040120)    454.47250 (10040120)    455.81351 (10040120)
  512.44766 (11042621)    522.55600 (11042621)
3609518.7 |      437.48014 (10082423)    431.01437 (10040120)    468.89761 (10040120)
  520.21180 (11010719)    509.87769 (11010719)
3609477.1 |      442.91251 (10082423)    439.75946 (10082423)    460.47033 (10082423)
  510.88997 (11010719)    514.67844 (11010719)
3609435.5 |      436.46449 (10101020)    429.27086 (10101020)    428.69562 (10082423)
  438.57616 (10082423)    486.82236 (10082423)
3609393.9 |      458.69206 (10101020)    454.42396 (10101020)    442.10518 (10101020)
  429.52132 (10101020)    464.05500 (10082423)
3609352.2 |      456.12650 (10101020)    455.70026 (10101020)    451.47462 (10101020)
  446.46055 (10101020)    437.83776 (10101020)

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^ *** AERMOD - VERSION 22112 ***      *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati ***      10/01/23
*** AERMET - VERSION 22112 ***      ***
***      06:51:10

```

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUS ***
INCLUDING SOURCE(S): L0001397 , L0001398
, L0001399 , L0001400 , L0001401 ,
L0001402 , L0001403 , L0001404 , L0001405 , L0001406
, L0001407 , L0001408 , L0001409 ,
L0001410 , L0001411 , L0001412 , L0001413 , L0001414
, L0001415 , L0001416 , L0001417 ,
L0001418 , L0001419 , L0001420 , L0001421 , L0001422
, L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
	491526.42		491543.03	491559.64
491576.25		491592.86		

3610184.5 | 681.00383 (10030323) 659.56687 (10030323) 621.39844 (10030323)
584.24483 (10030323) 551.59603 (12011606)
3610142.8 | 686.71396 (11092822) 638.62560 (11092822) 598.93225 (11092822)
579.75370 (10083122) 561.97970 (10083122)
3610101.2 | 650.57253 (10081704) 655.26328 (10081704) 611.15265 (10081704)
574.59104 (10081704) 545.85374 (10081704)
3610059.6 | 615.26335 (10062422) 616.83621 (12080723) 595.57123 (12080723)
574.13568 (10012920) 564.06232 (10012920)
3610018.0 | 616.66089 (12050723) 584.06779 (12050723) 570.55176 (12050723)
548.34199 (12050723) 533.00673 (10062422)
3609976.4 | 601.29138 (11091121) 565.41750 (11091121) 561.59748 (11091121)
560.40936 (11083021) 546.60447 (11083021)
3609934.8 | 583.21534 (12042821) 562.58385 (12042821) 560.83572 (11062622)
557.65697 (11062622) 552.12001 (11062622)
3609893.2 | 562.59375 (12022520) 558.69090 (12042821) 559.52563 (12042821)
557.97292 (12042821) 547.75136 (12042821)
3609851.6 | 571.49102 (11051223) 563.12149 (11051223) 562.48801 (11051223)
553.60917 (11051223) 547.30192 (12022520)
3609810.0 | 563.65434 (10032320) 565.93604 (10032320) 566.64374 (10033124)
560.66142 (10033124) 551.99346 (10033124)
3609768.4 | 557.38139 (12011919) 567.03992 (12011919) 562.69081 (12011919)
551.85772 (12011919) 538.37801 (12011919)
3609726.7 | 543.18110 (11071724) 538.54000 (11071724) 536.49102 (11071724)
536.58527 (10033101) 527.33063 (10033101)
3609685.1 | 546.97503 (11032521) 527.71238 (11032521) 523.13423 (11032521)

513.66887 (11032521)	502.73792 (11032521)		
3609643.5 | 519.87150 (12120101)	499.93253 (11102402)	486.99948 (11102402)	
483.93608 (11032521)	485.96941 (11032521)		
3609601.9 | 509.52054 (10081622)	491.70198 (10081622)	482.15035 (11081622)	
475.54841 (11081622)	471.77412 (11081622)		
3609560.3 | 505.21196 (11042621)	496.99756 (11042621)	483.00532 (11042621)	
475.46474 (11042621)	463.63518 (10030420)		
3609518.7 | 500.51433 (11022504)	488.74550 (11022504)	466.86248 (11022504)	
457.10462 (11022504)	458.88256 (11042621)		
3609477.1 | 505.08092 (11010719)	486.68984 (11010719)	472.53973 (11010719)	
461.32801 (11010719)	459.33648 (11022504)		
3609435.5 | 473.46979 (10082423)	479.08832 (11010719)	478.93762 (11010719)	
475.13114 (11010719)	460.05929 (11010719)		
3609393.9 | 497.93666 (10082423)	489.38173 (10082423)	477.81074 (10082423)	
455.26898 (10082423)	429.58463 (10082423)		
3609352.2 452.95007 (10073123)	461.04259 (10082423)	468.81845 (10082423)	
471.86677 (10082423)	446.85280 (10082423)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 336

*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491609.47	491626.08	491642.69
491659.30	491675.91		

3610184.5 |	543.38848 (12011606)	535.04966 (12011606)	507.72065 (12011606)
499.50979 (12011606)	497.28408 (12011606)		

3610142.8 |	536.90433 (10083122)	505.44077 (10083122)	481.72952 (10083122)
471.29398 (10083122)	466.95793 (10083122)		
3610101.2 |	524.49888 (10081704)	505.46988 (10101707)	482.36877 (10101707)
468.87328 (10101707)	459.85302 (10101707)		
3610059.6 |	552.63390 (10012920)	533.75196 (10012920)	489.81158 (10012920)
464.57005 (10012920)	456.07508 (10012920)		
3610018.0 |	529.19956 (10062422)	517.29730 (10062422)	480.70215 (10111904)
462.43804 (10111904)	448.93768 (10111904)		
3609976.4 |	530.82515 (11083021)	519.80261 (11083021)	520.71802 (12050723)
520.00371 (12050723)	504.84824 (12050723)		
3609934.8 |	544.22301 (11062622)	535.29863 (11091121)	530.79148 (11091121)
517.76808 (11091121)	509.28062 (11091121)		
3609893.2 |	547.07604 (12042821)	537.67049 (12042821)	531.72968 (12042821)
512.01988 (11062622)	504.82144 (11062622)		
3609851.6 |	529.15502 (12022520)	513.84978 (12022520)	513.19157 (12042821)
508.00520 (12042821)	500.63870 (12042821)		
3609810.0 |	535.27907 (10033124)	519.23797 (11051223)	509.01939 (11051223)
496.27377 (11051223)	481.15240 (11051223)		
3609768.4 |	526.81342 (10032320)	518.66971 (10032320)	492.69499 (10032320)
484.50639 (10033124)	480.58692 (10033124)		
3609726.7 |	516.82861 (12011919)	508.09380 (12011919)	497.39950 (12011919)
484.63168 (12011919)	469.71758 (12011919)		
3609685.1 |	490.32232 (11071724)	483.93328 (11071724)	471.31971 (11071724)
456.08290 (10033101)	439.09274 (10033101)		
3609643.5 |	478.39831 (11032521)	469.41214 (11032521)	459.04744 (11032521)
447.17309 (11032521)	438.22957 (11032521)		
3609601.9 |	460.06319 (11102402)	450.32297 (11102402)	443.13327 (12120619)
437.84730 (12120619)	429.50326 (11032521)		
3609560.3 |	458.94946 (10030420)	450.20967 (10030420)	442.92563 (11081622)
435.45622 (11081622)	428.26104 (12120101)		
3609518.7 |	455.18677 (10030420)	445.81715 (10030420)	435.18644 (10030420)
431.69470 (10030420)	435.35611 (10030420)		
3609477.1 |	452.01121 (11022504)	443.65538 (11022504)	434.73611 (11022504)
427.85774 (10030420)	428.71288 (10030420)		
3609435.5 |	463.24225 (11010719)	460.97900 (11010719)	444.17643 (11010719)
431.86032 (11022504)	418.08755 (11022504)		
3609393.9 |	432.90923 (11010719)	434.57961 (11010719)	432.43804 (11010719)
427.40193 (11010719)	424.03362 (11010719)		
3609352.2	433.61544 (10082423)	422.69702 (10082423)	417.91888 (10082423)
400.65127 (11010719)	393.12758 (11010719)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***

INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
 (METERS) | 491692.52

 3610184.5 | 471.33894 (12011606)
 3610142.8 | 456.33427 (10080122)
 3610101.2 | 451.69204 (10102205)
 3610059.6 | 469.08233 (10012920)
 3610018.0 | 455.68806 (10111904)
 3609976.4 | 494.65381 (12050723)
 3609934.8 | 486.35243 (11091121)
 3609893.2 | 501.56704 (11062622)
 3609851.6 | 491.10736 (12042821)
 3609810.0 | 468.47493 (12022520)
 3609768.4 | 469.11547 (10033124)
 3609726.7 | 457.47592 (12011919)
 3609685.1 | 438.09700 (12011919)
 3609643.5 | 424.11465 (11071724)
 3609601.9 | 425.09588 (11032521)
 3609560.3 | 426.14674 (12120101)
 3609518.7 | 418.57554 (10030420)
 3609477.1 | 427.96259 (10030420)
 3609435.5 | 424.25656 (11022504)
 3609393.9 | 415.67865 (11010719)
 3609352.2 | 400.26407 (11010719)

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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUS ***

INCLUDING SOURCE(S): L0001397 , L0001398

, L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	1078.84086	(10030323)	491278.96
3610288.22	1025.01152	(10111518)		
491317.19	3610288.22	1007.39129	(10061622)	491355.42
3610288.22	979.24924	(10061622)		
491393.65	3610342.70	844.03488	(10021719)	491431.88
3610342.70	769.60170	(11041823)		
491470.11	3610342.70	724.96445	(11041823)	491508.34
3610342.70	678.69153	(10041721)		
491546.57	3610342.70	633.42980	(10041721)	491584.80
3610342.70	553.50620	(10041721)		
491623.03	3610342.70	512.34962	(10041721)	491508.34
3610397.18	629.26795	(10101019)		
491546.57	3610397.18	574.76374	(10101019)	491584.80
3610397.18	541.94837	(12031203)		
491623.03	3610397.18	507.68011	(12031203)	491508.34
3610451.66	606.65493	(11040422)		
491546.57	3610451.66	563.09057	(11040422)	491584.80
3610451.66	533.52489	(11040422)		
491623.03	3610451.66	489.34893	(11082824)	491508.34
3610506.14	627.35284	(11031921)		
491546.57	3610506.14	577.15636	(11031921)	491584.80
3610506.14	552.09196	(12080702)		
491623.03	3610506.14	512.00849	(12080702)	491508.34
3610560.62	602.71708	(10071502)		
491546.57	3610560.62	566.75896	(10071502)	491584.80
3610560.62	538.85008	(10071624)		
491623.03	3610560.62	506.69942	(10071624)	491087.81
3610615.10	715.59581	(12100221)		
491126.04	3610615.10	702.23410	(10081706)	491508.34
3610615.10	550.36671	(11041621)		

491546.57	3610615.10	530.33628	(10082424)	491584.80
3610615.10	501.81718	(10082424)		
491623.03	3610615.10	472.93077	(12082103)	491087.81
3610669.58	614.20794	(12060822)		
491126.04	3610669.58	599.29538	(10061223)	491508.34
3610669.58	511.69188	(10061623)		
491546.57	3610669.58	522.32258	(10061623)	491584.80
3610669.58	499.55580	(11041621)		
491623.03	3610669.58	496.14506	(11041621)	491546.57
3610724.06	451.65539	(10111905)		
491584.80	3610724.06	432.37720	(10111905)	491623.03
3610724.06	413.32360	(10111905)		
491546.57	3610778.54	453.69318	(11040305)	491584.80
3610778.54	448.35142	(12080205)		
491623.03	3610778.54	376.96551	(12080205)	490934.89
3610833.02	436.33391	(12060824)		
490973.12	3610833.02	425.29619	(12060823)	491011.35
3610833.02	449.80280	(12090522)		
491049.58	3610833.02	445.64298	(10040821)	491087.81
3610833.02	479.57524	(11010619)		
491126.04	3610833.02	458.97203	(12052822)	491164.27
3610833.02	448.47249	(12060823)		
491202.50	3610833.02	460.23317	(11020821)	491240.73
3610833.02	436.47624	(12060822)		
491278.96	3610833.02	427.82689	(10061223)	491317.19
3610833.02	416.78184	(12090323)		
491355.42	3610833.02	409.95214	(12090323)	491393.65
3610833.02	394.77633	(12062723)		
491431.88	3610833.02	385.73208	(10081706)	491470.11
3610833.02	395.99654	(10081706)		
491508.34	3610833.02	379.12888	(12052301)	491546.57
3610833.02	375.27746	(12052301)		
491584.80	3610833.02	401.71915	(12080802)	491623.03
3610833.02	374.67771	(10101704)		
490934.89	3610887.50	412.20219	(11010619)	490973.12
3610887.50	407.80544	(12060824)		
491011.35	3610887.50	388.86841	(12060823)	491049.58
3610887.50	404.28694	(12090522)		
491087.81	3610887.50	398.67477	(10092320)	491126.04
3610887.50	447.47604	(11010619)		
491164.27	3610887.50	424.78995	(12052822)	491202.50
3610887.50	399.26931	(12060823)		
491240.73	3610887.50	390.77268	(11020821)	491278.96
3610887.50	387.48294	(11020821)		
491317.19	3610887.50	383.42226	(12081902)	491355.42
3610887.50	364.78760	(10061223)		
491393.65	3610887.50	350.94596	(12090323)	491431.88
3610887.50	364.06016	(12090323)		
491470.11	3610887.50	356.33710	(12062723)	491508.34
3610887.50	342.33348	(10081706)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	334.02200	(10081706)	491584.80
3610887.50	337.80678	(12052301)		
491623.03	3610887.50	332.92797	(12052301)	490858.43
3610941.98	400.72796	(12090522)		
490896.66	3610941.98	387.16889	(12090522)	490934.89
3610941.98	375.04326	(11010619)		
490973.12	3610941.98	367.77057	(11010619)	491011.35
3610941.98	353.59997	(12052822)		
491049.58	3610941.98	364.16829	(12090624)	491087.81
3610941.98	393.75938	(12090522)		
491126.04	3610941.98	396.89695	(10040821)	491164.27
3610941.98	405.34639	(11010619)		
491202.50	3610941.98	377.32654	(12052822)	491240.73
3610941.98	330.71012	(12060823)		
491278.96	3610941.98	347.89411	(10061723)	491317.19
3610941.98	352.17728	(11020821)		
491355.42	3610941.98	348.80429	(11031623)	491393.65
3610941.98	338.88184	(10061223)		
491431.88	3610941.98	324.86446	(12090323)	491470.11
3610941.98	320.66027	(12090323)		
491508.34	3610941.98	311.87474	(12062723)	491546.57

3610941.98	315.76398	(12062723)			
491584.80	3610941.98	304.55434	(10081706)		491623.03
3610941.98	303.98276	(10081706)			
490858.43	3610996.46	360.74818	(11021520)		490896.66
3610996.46	358.94567	(12090522)			
490934.89	3610996.46	343.72826	(12090522)		490973.12
3610996.46	319.64135	(11010619)			
491011.35	3610996.46	362.90993	(11010619)		491049.58
3610996.46	360.85001	(12052822)			
491087.81	3610996.46	356.95595	(10032304)		491126.04
3610996.46	369.91972	(12090522)			
491164.27	3610996.46	351.61366	(10092320)		491202.50
3610996.46	346.43023	(11010619)			
491240.73	3610996.46	318.34318	(12052822)		491278.96
3610996.46	316.55393	(12060823)			
491317.19	3610996.46	323.12244	(10061723)		491355.42
3610996.46	323.93836	(11082603)			
491393.65	3610996.46	313.76930	(11031623)		491431.88
3610996.46	300.47354	(12081902)			
491470.11	3610996.46	291.39509	(10061223)		491508.34
3610996.46	283.86257	(12090323)			
491546.57	3610996.46	296.29506	(12090323)		491584.80
3610996.46	284.21697	(12062723)			
491623.03	3610996.46	295.57310	(12062723)		490858.43
3611050.94	356.49909	(12060824)			
490896.66	3611050.94	267.54955	(12060901)		490934.89
3611050.94	298.45096	(12090522)			
490973.12	3611050.94	311.02338	(12090522)		491011.35
3611050.94	306.04766	(10092320)			
491049.58	3611050.94	352.00002	(11010619)		491087.81
3611050.94	356.17056	(12052822)			
491126.04	3611050.94	335.23223	(12052822)		491164.27
3611050.94	326.63298	(12090522)			
491202.50	3611050.94	317.00953	(10092320)		491240.73
3611050.94	323.75864	(11010619)			
491278.96	3611050.94	293.56295	(12052822)		491317.19
3611050.94	284.83201	(12060823)			
491355.42	3611050.94	286.22747	(12060823)		491393.65
3611050.94	287.18926	(11082603)			
491431.88	3611050.94	280.14156	(11031623)		491470.11
3611050.94	263.29027	(12081902)			
491508.34	3611050.94	259.92629	(10061223)		491546.57
3611050.94	252.56241	(12090323)			
491584.80	3611050.94	269.06748	(12090323)		491623.03
3611050.94	267.79776	(12090323)			
490858.43	3611105.42	338.72063	(12060824)		490896.66
3611105.42	304.05990	(12060824)			
490934.89	3611105.42	262.89393	(12063003)		490973.12
3611105.42	280.13479	(12090522)			
491011.35	3611105.42	291.63434	(12090522)		491049.58

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3611105.42      347.74522 (10092320)
      491087.81  3611105.42      353.66720 (11010619)      491126.04
3611105.42      327.26549 (12052822)
      491164.27  3611105.42      317.98807 (12052822)      491202.50
3611105.42      306.16125 (12090522)
      491240.73  3611105.42      300.22886 (10092320)      491278.96
3611105.42      293.12648 (11010619)
      491317.19  3611105.42      267.99269 (12052822)      491355.42
3611105.42      264.97684 (12060823)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUS      ***
      INCLUDING SOURCE(S):      L0001397      , L0001398
, L0001399      , L0001400      , L0001401      ,
      L0001402      , L0001403      , L0001404      , L0001405      , L0001406
, L0001407      , L0001408      , L0001409      ,
      L0001410      , L0001411      , L0001412      , L0001413      , L0001414
, L0001415      , L0001416      , L0001417      ,
      L0001418      , L0001419      , L0001420      , L0001421      , L0001422
, L0001423      , L0001424      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491393.65	3611105.42	261.16864 (12060823)	491431.88
3611105.42	250.84673 (11082603)		
491470.11	3611105.42	250.08881 (11082603)	491508.34
3611105.42	234.36372 (11031623)		
491546.57	3611105.42	238.81342 (12081902)	491584.80
3611105.42	243.85856 (10061223)		
491623.03	3611105.42	232.80017 (12090323)	490858.43
3611159.90	306.00050 (12062424)		
490896.66	3611159.90	306.43447 (12060824)	490934.89
3611159.90	273.68449 (12060824)		
490973.12	3611159.90	256.97469 (12063003)	491011.35
3611159.90	295.29482 (12090522)		

491049.58	3611159.90	323.06656	(12090522)	491087.81
3611159.90	316.29688	(10092320)		
491126.04	3611159.90	327.13601	(11010619)	491164.27
3611159.90	311.56602	(11010619)		
491202.50	3611159.90	286.71146	(12052822)	491240.73
3611159.90	263.18349	(12090522)		
491278.96	3611159.90	259.98429	(10092320)	491317.19
3611159.90	260.73555	(11010619)		
491355.42	3611159.90	244.66666	(12060823)	491393.65
3611159.90	240.24006	(12060823)		
491431.88	3611159.90	233.90718	(12060823)	491470.11
3611159.90	224.05145	(10061723)		
491508.34	3611159.90	218.06323	(11082603)	491546.57
3611159.90	221.22104	(11031623)		
491584.80	3611159.90	224.44251	(12081902)	491623.03
3611159.90	208.15592	(12081902)		
490858.43	3611214.38	307.94991	(12062424)	490896.66
3611214.38	263.37639	(12060824)		
490934.89	3611214.38	281.25201	(12060824)	490973.12
3611214.38	256.05907	(12060824)		
491011.35	3611214.38	264.37398	(12063003)	491049.58
3611214.38	300.48331	(12090522)		
491087.81	3611214.38	304.02246	(12090522)	491126.04
3611214.38	307.14000	(10092320)		
491164.27	3611214.38	301.90397	(11010619)	491202.50
3611214.38	275.04591	(11010619)		
491240.73	3611214.38	254.07404	(12052822)	491278.96
3611214.38	230.45548	(12052822)		
491317.19	3611214.38	227.98712	(12090624)	491355.42
3611214.38	218.31327	(11010619)		
491393.65	3611214.38	220.67768	(12060823)	491431.88
3611214.38	220.02460	(12060823)		
491470.11	3611214.38	207.00322	(12060823)	491508.34
3611214.38	207.15700	(10061723)		
491546.57	3611214.38	206.28633	(11082603)	491584.80
3611214.38	194.55197	(11031623)		
491623.03	3611214.38	185.91434	(11031623)	490858.43
3611268.86	287.08615	(12060622)		
490896.66	3611268.86	261.01315	(12062424)	490934.89
3611268.86	245.74078	(12060824)		
490973.12	3611268.86	270.09011	(12060824)	491011.35
3611268.86	252.02934	(12060824)		
491049.58	3611268.86	253.18755	(12060622)	491087.81
3611268.86	284.41869	(12090522)		
491126.04	3611268.86	288.24409	(12090522)	491164.27
3611268.86	269.89972	(10092320)		
491202.50	3611268.86	266.59940	(11010619)	491240.73
3611268.86	243.11471	(11010619)		
491278.96	3611268.86	213.30937	(12052822)	491317.19
3611268.86	214.36115	(12052822)		

491355.42	3611268.86	206.81247	(11010619)	491393.65
3611268.86	208.33245	(11010619)		
491431.88	3611268.86	201.68857	(12090624)	491470.11
3611268.86	199.07151	(12060823)		
491508.34	3611268.86	196.00154	(12060823)	491546.57
3611268.86	192.76108	(10061723)		
491584.80	3611268.86	181.32608	(11082603)	491623.03
3611268.86	165.61009	(11082603)		
490858.43	3611323.34	277.81779	(12060622)	490896.66
3611323.34	264.24719	(12062424)		
490934.89	3611323.34	229.99341	(12062424)	490973.12
3611323.34	256.61149	(12060824)		
491011.35	3611323.34	261.54851	(12060824)	491049.58
3611323.34	233.41470	(12060824)		
491087.81	3611323.34	243.84212	(12060622)	491126.04
3611323.34	267.27712	(12090522)		
491164.27	3611323.34	260.32616	(12090522)	491202.50
3611323.34	237.72204	(10092320)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	231.14834	(11010619)	491278.96
3611323.34	216.98105	(11010619)		
491317.19	3611323.34	207.58409	(11010619)	491355.42

3611323.34	198.53594	(12052822)		
491393.65	3611323.34	192.54546	(11010619)	491431.88
3611323.34	183.98525	(11010619)		
491470.11	3611323.34	183.55388	(12090624)	491508.34
3611323.34	180.27057	(12060823)		
491546.57	3611323.34	172.33901	(12060823)	491584.80
3611323.34	163.29657	(10100103)		
491623.03	3611323.34	135.35886	(10100103)	491583.40
3608705.27	348.55348	(11112103)		
491577.37	3608727.37	351.23443	(11112103)	491573.36
3608753.50	348.39084	(11112103)		
491562.30	3608782.64	356.70940	(11112103)	491565.32
3608775.60	353.04752	(11112103)		
491547.23	3608819.81	371.53998	(11050401)	491545.22
3608840.91	383.15343	(11050401)		
491533.16	3608877.09	430.75100	(11050401)	491524.12
3608898.19	411.71192	(11050401)		
491522.11	3608915.27	413.66789	(12041421)	491520.10
3608925.32	432.91182	(12041421)		
491511.06	3608945.41	391.70363	(12041421)	491507.04
3608961.49	384.67292	(12041421)		
491499.00	3608982.59	389.32270	(12041421)	491498.00
3608992.64	389.50749	(12041421)		
491490.96	3609007.71	390.42138	(12041421)	491484.93
3609030.82	404.29887	(11111520)		
491478.91	3609048.91	418.56738	(11111520)	491470.87
3609072.02	425.89857	(11111520)		
491461.82	3609094.12	426.91215	(11111520)	491450.77
3609114.22	433.30002	(11111520)		
491449.77	3609129.29	433.25113	(11111520)	491443.74
3609145.37	431.38775	(11111520)		
491439.72	3609164.46	427.49795	(11111520)	491434.69
3609178.52	429.56129	(11111520)		
491424.65	3609198.62	437.84994	(10041824)	491418.62
3609216.71	440.37957	(10041824)		
491414.60	3609231.78	443.53101	(10041824)	491409.57
3609244.84	445.72718	(10041824)		
491398.52	3609273.98	448.38131	(10041824)	491397.52
3609289.05	443.56190	(10041824)		
491388.47	3609312.16	438.63443	(10041824)	491383.45
3609329.24	443.75638	(10091101)		
491377.42	3609354.36	446.72147	(11052522)	491374.41
3609371.44	457.98134	(10090921)		
491361.34	3609405.61	472.52514	(10090921)	491355.32
3609423.69	481.14721	(10101020)		
491340.24	3609470.92	494.67170	(10101020)	491324.17
3609526.18	474.05852	(10101020)		
491329.19	3609504.08	484.23646	(10101020)	491314.12
3609546.28	478.66694	(10082423)		
491302.06	3609575.42	486.84094	(10082423)	491296.03

3609594.51	488.83552	(10082423)			
	491286.99	3609618.62	484.09360	(10082423)	491279.96
3609632.69	480.26720	(10082423)			
	491274.93	3609648.77	488.98912	(10040120)	491269.91
3609666.85	499.52543	(10040120)			
	491264.88	3609679.92	503.60844	(10040120)	491259.86
3609700.01	508.82722	(11042621)			
	491269.76	3609874.49	593.28872	(10033101)	491098.46
3610169.21	1043.15613	(10120403)			
	491115.74	3610172.91	1033.63521	(10120403)	491105.25
3610150.69	1004.68520	(10120403)			
	491109.57	3610134.65	947.44742	(10090221)	491108.33
3610125.39	935.05540	(11091121)			
	491113.27	3610114.29	917.60620	(11091121)	491118.82
3610099.48	873.94059	(11091121)			
	491122.52	3610087.75	856.77485	(12042821)	491127.46
3610070.47	841.30923	(12042821)			
	491131.78	3610051.96	817.24819	(12101605)	491136.72
3610040.85	797.22148	(12101605)			
	491138.57	3610034.07	774.59740	(12022520)	491139.80
3610021.73	746.68389	(10033124)			
	491157.08	3610005.06	727.56904	(10033124)	491166.95
3609998.89	716.63370	(10033124)			
	491178.68	3609984.70	679.43612	(10032320)	491174.98
3609963.10	653.93592	(10032320)			
	491184.23	3609965.57	654.48515	(10032320)	491176.21
3609942.12	626.71756	(10033101)			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUS ***
 INCLUDING SOURCE(S): L0001397 , L0001398
 , L0001399 , L0001400 , L0001401 ,
 L0001402 , L0001403 , L0001404 , L0001405 , L0001406
 , L0001407 , L0001408 , L0001409 ,
 L0001410 , L0001411 , L0001412 , L0001413 , L0001414
 , L0001415 , L0001416 , L0001417 ,
 L0001418 , L0001419 , L0001420 , L0001421 , L0001422
 , L0001423 , L0001424 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	626.76558	(10033101)	491179.91
3609920.53	606.32277	(10033101)		
491191.64	3609922.99	610.34714	(10033101)	491189.17
3609903.25	624.90679	(10033101)		
491198.42	3609906.95	608.31477	(10033101)	491194.72
3609882.27	610.32391	(12120619)		
491205.83	3609887.20	583.42335	(12120619)	491200.89
3609866.84	586.92919	(12120619)		
491205.83	3609849.56	604.10893	(12120619)	491212.62
3609864.99	580.80701	(12120619)		
491303.94	3609929.78	666.01519	(10033124)	491267.54
3609903.25	612.47267	(10033101)		
491277.41	3609879.18	595.60777	(10033101)	491324.31
3609896.46	650.53928	(10033124)		
491135.48	3610120.46	898.85915	(11091121)	491124.99
3610139.59	950.63079	(10120403)		
491130.55	3610141.44	962.18337	(10120403)	491142.89
3610145.14	981.83484	(10120403)		
491165.10	3610151.31	989.95363	(10120403)	491172.51
3610156.25	984.82147	(10120403)		
491183.00	3610155.01	972.00540	(10120403)	491190.40
3610158.72	960.05110	(10052921)		
491197.81	3610138.97	942.43228	(10120403)	491162.02
3610130.33	911.61277	(10120403)		
491150.91	3610113.67	885.00530	(11091121)	491164.49
3610115.52	873.90799	(10090221)		
491178.06	3610123.54	880.41027	(10120403)	491189.17
3610125.39	893.22721	(10120403)		
491197.81	3610126.63	899.94190	(10120403)	491158.93
3610084.05	841.86215	(11091121)		
491175.59	3610088.37	851.72137	(11091121)	491188.55
3610090.84	848.38667	(11091121)		
491202.13	3610096.39	834.18854	(11091121)	491252.11
3610069.86	816.72139	(11091121)		
491240.39	3610095.77	797.83289	(10090221)	491232.36
3610128.48	881.82582	(10120403)		
491220.02	3610152.55	915.09977	(10052921)	491213.85
3610179.70	956.99958	(11092822)		
491204.60	3610206.85	996.83264	(10030323)	491297.77
3610095.16	824.32336	(11092823)		
491316.29	3610102.56	853.97180	(10120403)	491271.24
3610169.21	908.54448	(11092822)		
491296.54	3610170.44	948.55857	(11092822)	491224.34
3609806.98	582.97917	(12120619)		

491232.36	3609786.00	552.46360	(12120619)	491240.39
3609769.96	554.31615	(11042621)		
491245.94	3609753.92	556.85883	(11042621)	491250.26
3609731.08	548.19909	(11042621)		
491255.20	3609716.89	532.20402	(11042621)	491354.41
3609557.94	471.29745	(10082423)		
491349.69	3609575.67	470.40568	(10082423)	491331.95
3609630.05	483.73386	(10040120)		
491310.67	3609696.25	531.52895	(11042621)	491301.22
3609737.63	542.41998	(11042621)		
491289.40	3609771.91	556.28759	(12120619)	491276.39
3609801.46	574.80790	(12120619)		
491310.67	3609805.01	560.21303	(12120619)	492077.18
3610785.74	233.39777	(12060306)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	490903.38	490928.68	490953.98
	|	490979.28	491004.58	

3610794.6	|	152.23832 (10061223)	162.59453 (12090323)	165.99648 (12100221)
162.84918	|	(12062723)	161.86592 (10081706)	
3610785.6	|	146.02750 (12090323)	166.19116 (12090323)	166.70213 (12100221)
164.16146	|	(12062723)	169.40868 (10081706)	
3610776.7	|	160.14754 (12090323)	173.19054 (12100221)	169.02870 (12062723)

168.48651 (10081706)	172.30085 (10081706)		
3610767.7 | 173.29455 (12090323)	181.38331 (12100221)	172.98944 (12062723)	
179.60396 (10081706)	169.08627 (10081706)		
3610758.7 | 185.91845 (12100221)	183.51727 (12100221)	186.63539 (10081706)	
183.33203 (10081706)	169.48139 (12052301)		
3610749.8 | 194.50313 (12100221)	183.19085 (12062723)	197.02889 (10081706)	
180.44314 (10081706)	179.81046 (12062423)		
3610740.8 | 188.68428 (12100221)	198.81330 (10081706)	194.45750 (10081706)	
180.96472 (12062423)	183.93409 (12062423)		
3610731.9 | 187.18345 (10081706)	205.61543 (10081706)	185.02459 (10081706)	
194.55979 (12062423)	183.61630 (10082301)		
3610722.9 | 199.78863 (10081706)	200.90709 (10081706)	195.78987 (12062423)	
197.76738 (12062423)	185.63716 (10082301)		
3610713.9 | 204.66569 (10081706)	194.27785 (12062423)	208.92858 (12062423)	
199.82210 (10082301)	187.70792 (11040305)		
3610705.0 | 199.95158 (10081706)	213.20423 (12062423)	208.58954 (10082301)	
196.99545 (10082301)	188.08896 (11040305)		
3610696.0 | 204.18327 (12062423)	222.28544 (12062423)	214.58625 (10082301)	
199.11892 (11040305)	191.19242 (10041603)		
3610687.1 | 219.11131 (12062423)	224.33209 (10082301)	210.32698 (11040305)	
199.86821 (10041603)	188.12199 (11020821)		
3610678.1 | 222.84905 (12062423)	221.43535 (10082301)	209.23264 (11040305)	
197.00719 (10041603)	194.39360 (11020821)		
3610669.1 | 226.57600 (10082301)	216.47944 (11040305)	210.25845 (10041603)	
193.28649 (11020821)	196.54491 (10111905)		
3610660.2 | 220.41614 (11040305)	216.15197 (10041603)	202.90780 (10041603)	
200.29821 (11020821)	203.48286 (10061623)		
3610651.2 | 219.46203 (10041603)	210.40630 (10041603)	205.65015 (10111905)	
209.79132 (10111905)	212.93280 (10061623)		
3610642.3 | 217.50032 (10041603)	203.49564 (10111905)	217.77866 (10111905)	
223.68016 (10061623)	211.49461 (10061623)		
3610633.3 | 206.31867 (10041603)	218.72494 (10111905)	235.75133 (10061623)	
223.83890 (10061623)	220.72160 (11041621)		
3610624.3 | 225.95430 (10111905)	233.12267 (10061623)	238.30423 (10061623)	
232.33310 (11041621)	228.06844 (11041621)		
3610615.4 255.68893 (10061623)	242.61419 (10061623)	249.39602 (11041621)	
238.30714 (11041621)	217.53875 (11041621)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184

, L0000185 , L0000186 , L0000187 ,
 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491029.88	491055.18	491080.48
491105.78	491131.08		

3610794.6 |	165.86379 (10081706)	152.65987 (10081706)	158.92304 (12062423)
159.98663 (12062423)	157.77628 (12080802)		
3610785.6 |	164.21155 (10081706)	158.87917 (12052301)	165.85736 (12062423)
160.35962 (12080802)	156.67166 (11040305)		
3610776.7 |	160.46550 (12052301)	164.70406 (12062423)	165.83845 (12062423)
161.74071 (12080802)	160.05326 (11040305)		
3610767.7 |	165.17916 (12052301)	168.89866 (12062423)	168.32248 (12080802)
164.89646 (11040305)	158.68167 (10041603)		
3610758.7 |	174.61102 (12062423)	168.83795 (12080802)	166.78622 (11040305)
165.18080 (11040305)	160.86300 (10041603)		
3610749.8 |	175.75435 (12062423)	172.85258 (12080802)	169.99895 (11040305)
166.16978 (10041603)	157.87746 (10041603)		
3610740.8 |	177.90416 (10082301)	173.82943 (11040305)	169.14304 (10041603)
164.87596 (10041603)	151.26831 (10041603)		
3610731.9 |	178.13776 (12080802)	173.30187 (11040305)	170.09504 (10041603)
158.87333 (10041603)	154.45197 (10111905)		
3610722.9 |	181.02239 (11040305)	174.86313 (10041603)	165.22003 (10041603)
156.70360 (10061223)	163.97289 (10111905)		
3610713.9 |	182.31338 (10041603)	171.69854 (10041603)	160.35948 (12060822)
167.83293 (10111905)	166.87568 (10111905)		
3610705.0 |	181.61159 (10041603)	163.52310 (10041603)	169.74164 (10111905)
172.45752 (10111905)	169.39236 (10061623)		
3610696.0 |	180.74228 (11020821)	171.16567 (10111905)	176.34249 (10111905)
175.37120 (10061623)	169.01975 (10061623)		
3610687.1 |	178.75211 (11020821)	180.07397 (10111905)	176.76381 (10061623)
176.17491 (10061623)	162.20518 (10061623)		
3610678.1 |	188.68552 (10111905)	182.65516 (10061623)	181.31933 (10061623)
169.48333 (10061623)	173.38571 (11041621)		
3610669.1 |	193.23253 (10061623)	189.08839 (10061623)	177.29152 (10061623)
180.36444 (11041621)	174.19844 (11041621)		
3610660.2 |	199.65144 (10061623)	185.65433 (10061623)	187.73841 (11041621)
181.60254 (11041621)	170.22087 (10081723)		

3610651.2	|	197.04642 (10061623)	195.51955 (11041621)	189.50932 (11041621)
176.72758	(10081723)	173.72182 (10082424)		
3610642.3	|	206.50225 (11041621)	203.50009 (11041621)	183.70310 (11041621)
180.79635	(10082424)	176.48837 (10082424)		
3610633.3	|	209.83365 (11041621)	196.98857 (11041621)	190.59690 (10082424)
183.05683	(10082424)	178.18835 (12082103)		
3610624.3	|	202.86418 (11041621)	203.16443 (10082424)	194.61997 (10082424)
185.36858	(12082103)	178.63720 (10071502)		
3610615.4		206.97716 (10082424)	204.20886 (10082424)	197.26346 (12082103)
189.64094	(10071502)	184.36744 (10071502)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491156.38	491181.68	491206.98
491232.28		491257.58		

3610794.6	|	151.91744 (11040305)	145.26253 (10101704)	144.47239 (10041603)
138.30926	(12010521)	138.91759 (12010521)		
3610785.6	|	154.40169 (11040305)	147.67541 (10041603)	141.82339 (10041603)
139.37387	(12010521)	140.13876 (12010521)		
3610776.7	|	155.02001 (10041603)	146.18545 (10041603)	139.98014 (12010521)
140.58299	(12010521)	141.36090 (12010521)		
3610767.7	|	155.12650 (10041603)	142.83447 (10041603)	141.04284 (12010521)
141.65898	(12010521)	142.45306 (12010521)		
3610758.7	|	150.96824 (10041603)	141.21367 (12010521)	146.96184 (10111905)

144.06107 (10111905)	143.70145 (12010521)		
3610749.8 | 148.32953 (10061223)	148.32432 (10111905)	151.29736 (10111905)	
143.85395 (12010521)	144.82454 (12010521)		
3610740.8 | 152.32656 (10111905)	154.07199 (10111905)	150.71220 (10111905)	
145.12845 (12010521)	146.11209 (12010521)		
3610731.9 | 161.43057 (10111905)	155.95066 (10111905)	150.17741 (10061623)	
146.42408 (12010521)	147.27308 (12010521)		
3610722.9 | 162.94838 (10111905)	157.79660 (10061623)	148.15606 (12032504)	
149.12000 (12032504)	150.26812 (12032504)		
3610713.9 | 165.64608 (10061623)	155.81004 (10061623)	150.70015 (12032504)	
151.73534 (12032504)	152.81179 (12032504)		
3610705.0 | 164.35236 (10061623)	154.35747 (12100221)	155.24981 (10081723)	
154.18431 (11030822)	155.14135 (11030822)		
3610696.0 | 158.80724 (12100221)	162.85147 (10081723)	156.04589 (11030822)	
157.35451 (11030822)	158.22532 (11030822)		
3610687.1 | 169.15439 (11041621)	165.72427 (10081723)	158.68135 (11030822)	
160.04227 (11030822)	160.79812 (11030822)		
3610678.1 | 169.78510 (10081723)	160.36939 (10081723)	161.00962 (11030822)	
162.06678 (11030822)	163.03222 (11030822)		
3610669.1 | 166.20813 (10081723)	164.82423 (10082424)	163.15304 (11030822)	
163.88907 (11030822)	164.90970 (11100724)		
3610660.2 | 169.15789 (10082424)	168.44939 (10082424)	167.52261 (11100724)	
167.94443 (11100724)	169.54023 (11100724)		
3610651.2 | 172.39056 (10082424)	169.60103 (11100724)	171.25678 (11100724)	
171.87120 (11100724)	173.49498 (11100724)		
3610642.3 | 170.85815 (11100724)	172.50092 (11100724)	174.19255 (11100724)	
175.00868 (11100724)	176.83406 (11100724)		
3610633.3 | 173.35564 (11030202)	175.25216 (11030202)	177.39703 (11030202)	
178.63252 (11030202)	180.70818 (11030202)		
3610624.3 | 176.99002 (11030202)	179.10438 (11030202)	181.25506 (11030202)	
182.67104 (11030202)	184.74131 (11030202)		
3610615.4 180.46665 (11030202)	182.37174 (11030202)	184.32831 (11030202)	
186.14235 (11030202)	188.21252 (11030202)		

^ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200

, L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491282.88	491384.08	491308.18	X-COORD (METERS)	491333.48
---------------------	-----------	-----------	-----------	------------------	-----------

3610794.6 |	139.68549 (12010521)	140.60211 (12010521)	141.52954 (12010521)
141.46595 (12010521)	142.12787 (12010521)		
3610785.6 |	140.92738 (12010521)	141.73570 (12010521)	142.69319 (12010521)
142.65271 (12010521)	143.64156 (12010521)		
3610776.7 |	142.02906 (12010521)	142.85793 (12010521)	143.83921 (12010521)
144.11526 (12010521)	145.12579 (12010521)		
3610767.7 |	143.27425 (12010521)	144.11968 (12010521)	144.98639 (12010521)
145.57893 (12010521)	146.46019 (12010521)		
3610758.7 |	144.39640 (12010521)	145.39556 (12010521)	146.14477 (12010521)
147.18267 (12010521)	147.95169 (12010521)		
3610749.8 |	145.53484 (12010521)	146.55301 (12010521)	147.31955 (12010521)
148.64332 (12010521)	149.31144 (12010521)		
3610740.8 |	146.83282 (12010521)	147.72896 (12010521)	148.64988 (12010521)
149.85970 (12010521)	150.68707 (12010521)		
3610731.9 |	148.01002 (12010521)	148.92478 (12010521)	150.00120 (12010521)
151.09688 (12010521)	151.94445 (12010521)		
3610722.9 |	150.99850 (12032504)	152.06191 (12032504)	153.43139 (12032504)
154.54255 (12032504)	155.67554 (12032504)		
3610713.9 |	153.77506 (12032504)	154.78377 (12032504)	156.25716 (12032504)
157.61093 (12032504)	158.85709 (12032504)		
3610705.0 |	156.29773 (11030822)	157.19916 (11030822)	158.73030 (11030822)
160.27946 (11030822)	161.58158 (11030822)		
3610696.0 |	159.62027 (11030822)	160.45264 (11030822)	162.08130 (11030822)
164.00542 (11030822)	165.13562 (11030822)		
3610687.1 |	162.41261 (11030822)	163.14718 (11030822)	164.84708 (11030822)
166.98559 (11030822)	168.31829 (11030822)		
3610678.1 |	164.38287 (11030822)	165.62878 (11030822)	167.37782 (11030822)
169.56855 (11030822)	171.34346 (11030822)		
3610669.1 |	166.51376 (11100724)	168.33510 (11100724)	170.35631 (11100724)
172.83698 (11100724)	175.28841 (11100724)		
3610660.2 |	171.02562 (11100724)	173.06661 (11100724)	175.29568 (11100724)
177.68393 (11100724)	180.71074 (11100724)		
3610651.2 |	175.00565 (11100724)	177.07806 (11100724)	179.49231 (11100724)
181.89976 (11100724)	184.81905 (11100724)		
3610642.3 |	178.36482 (11100724)	180.62621 (11100724)	182.90379 (11100724)
185.59153 (11030202)	188.54712 (11030202)		

3610633.3 |	182.48794 (11030202)	185.01541 (11030202)	187.71376 (11030202)
190.40622 (11030202)	193.35532 (11030202)		
3610624.3 |	186.68874 (11030202)	189.03848 (11030202)	191.73704 (11030202)
194.57449 (11030202)	197.37266 (11030202)		
3610615.4	190.15865 (11030202)	192.34481 (11030202)	195.06355 (11030202)
198.22576 (11120418)	202.26055 (11120418)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491409.38	

3610794.6 |	143.23461 (12010521)
3610785.6 |	144.78652 (12010521)
3610776.7 |	146.29589 (12010521)
3610767.7 |	147.79566 (12010521)
3610758.7 |	149.15926 (12010521)
3610749.8 |	150.67261 (12010521)
3610740.8 |	152.18634 (12010521)
3610731.9 |	153.71376 (12010521)
3610722.9 |	157.70716 (12032504)
3610713.9 |	161.00067 (12032504)
3610705.0 |	163.66842 (11030822)
3610696.0 |	167.33863 (11030822)
3610687.1 |	170.45640 (11030822)
3610678.1 |	173.26089 (11030822)

3610669.1 | 177.35775 (11100724)
 3610660.2 | 182.55380 (11100724)
 3610651.2 | 186.68492 (11100724)
 3610642.3 | 190.96663 (11030202)
 3610633.3 | 195.76004 (11030202)
 3610624.3 | 199.76843 (11030202)
 3610615.4 | 205.92237 (11120418)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	490964.36	490985.16	491005.96
	|	491026.76	491047.56	

 3610598.0 | 230.88837 (10082424) 226.93079 (10082424) 219.26654 (10082424)
 211.57563 (12082103) 206.75964 (10071502)
 3610584.7 | 232.98623 (10082424) 229.85036 (12082103) 231.99391 (10071502)
 219.51846 (10071502) 209.46569 (10071624)
 3610571.5 | 240.36457 (10071502) 238.58344 (10071502) 234.51791 (11021319)
 222.78821 (11021319) 207.26765 (10071624)
 3610558.3 | 242.45737 (11021319) 238.94100 (11021319) 225.62237 (11021319)
 219.41116 (11031921) 214.39956 (11031921)
 3610545.1 | 231.98167 (11031921) 235.17042 (11031921) 229.10301 (11031921)
 219.67346 (11031921) 220.64529 (12062423)
 3610531.9 | 238.99457 (11031921) 238.21073 (10081706) 224.46064 (11020820)
 230.14632 (12062423) 227.62970 (10082301)

3610518.7 |	252.04412 (10081706)	243.35248 (11040422)	243.63894 (12062423)
240.59700 (10082301)	230.58115 (11040422)		
3610505.5 |	271.24205 (11040422)	256.07504 (12062423)	252.30099 (10082301)
241.24290 (10082301)	232.28549 (11110824)		
3610492.3 |	269.51800 (12062423)	258.24652 (10082301)	241.22257 (11082824)
240.43100 (11110824)	242.69128 (11110824)		
3610479.1 |	267.68434 (10082301)	243.09129 (10101019)	246.19375 (11110824)
249.25906 (11110824)	251.28402 (11110824)		
3610465.9 |	256.04730 (11040305)	251.47092 (10021719)	257.17214 (10021719)
256.66257 (11110824)	258.86692 (11110824)		
3610452.6 |	271.05974 (10021719)	271.47356 (10061623)	287.71287 (10061623)
263.53934 (11110824)	267.77380 (11041621)		
3610439.4 |	301.51418 (10061623)	302.68558 (10061623)	302.91064 (11041621)
278.91232 (11041621)	273.96873 (10101004)		
3610426.2 |	315.48070 (11041621)	312.03549 (11041621)	296.14447 (11041621)
280.14392 (11053104)	285.76245 (12032623)		
3610413.0 |	340.78824 (11041621)	292.22197 (10082424)	290.19529 (12032623)
296.33462 (12032623)	302.67218 (12032623)		
3610399.8 |	345.99116 (10082424)	312.01098 (10071502)	305.05559 (12032623)
311.05226 (12032623)	317.00769 (12032623)		
3610386.6 |	380.44619 (10071502)	335.39075 (11021319)	317.82321 (12032623)
326.17043 (12111905)	334.17762 (12111905)		
3610373.4 |	385.99467 (11021319)	333.56320 (10021323)	341.03414 (10021323)
352.33066 (10021323)	363.07510 (10021323)		
3610360.2 |	366.01317 (10020819)	361.64859 (10021323)	368.90457 (10021323)
378.53127 (10021323)	387.82078 (10021323)		
3610347.0 |	408.57971 (11040422)	385.58403 (10021323)	392.52537 (10021323)
400.65281 (10021323)	408.96870 (10021323)		
3610333.8	405.40072 (11082824)	406.25484 (10021323)	412.65167 (10021323)
421.16600 (10031204)	434.40269 (10031204)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)	491068.36	491151.56	491089.16	X-COORD (METERS) 491109.96
---------------------	-----------	-----------	-----------	-------------------------------

3610598.0 |	208.95024 (10071502)	200.72160 (10071624)	196.62612 (10071624)
190.94561 (10071624)	188.90868 (11120418)		
3610584.7 |	210.44349 (10071624)	200.31389 (10071624)	196.43906 (11120418)
198.48136 (11120418)	199.91114 (11120418)		
3610571.5 |	202.47307 (11031921)	203.36762 (11120418)	204.86721 (11120418)
207.18995 (11120418)	208.83149 (11120418)		
3610558.3 |	211.70330 (12062423)	210.64851 (11120418)	212.44170 (11120418)
213.91125 (11120418)	215.83396 (11120418)		
3610545.1 |	215.96207 (10082301)	217.22755 (11120418)	218.93746 (11120418)
220.30342 (11120418)	222.15498 (11120418)		
3610531.9 |	220.56034 (11120418)	222.65625 (11120418)	224.34258 (11120418)
225.67098 (11120418)	227.86702 (11012122)		
3610518.7 |	225.11918 (11120418)	227.29178 (11012122)	229.72229 (11012122)
232.47195 (11110824)	236.55732 (11110824)		
3610505.5 |	234.69176 (11110824)	238.38765 (11110824)	242.07576 (11110824)
244.81901 (11110824)	248.52895 (11110824)		
3610492.3 |	245.05567 (11110824)	248.46034 (11110824)	251.87029 (11110824)
254.64859 (11110824)	258.10068 (11110824)		
3610479.1 |	253.43329 (11110824)	256.66421 (11110824)	259.91995 (11110824)
262.87763 (11110824)	265.89174 (11110824)		
3610465.9 |	261.32898 (11110824)	264.13918 (11110824)	267.34178 (11110824)
270.59074 (11110824)	273.26645 (11110824)		
3610452.6 |	268.56501 (11110824)	271.12183 (11110824)	274.89812 (10101004)
279.14563 (10101004)	282.44492 (11053104)		
3610439.4 |	276.92820 (10101004)	280.91899 (11053104)	285.54703 (11053104)
292.90244 (12032623)	299.11571 (12032623)		
3610426.2 |	291.69643 (12032623)	297.19950 (12032623)	303.47918 (12032623)
310.89975 (12032623)	316.59499 (12032623)		
3610413.0 |	308.30952 (12032623)	313.36735 (12032623)	319.20704 (12032623)
325.89438 (12032623)	332.94800 (12111905)		
3610399.8 |	322.29590 (12032623)	329.21926 (12111905)	337.21908 (12111905)
348.09077 (10021323)	360.23955 (10021323)		
3610386.6 |	344.92287 (10021323)	355.56658 (10021323)	366.35788 (10021323)
377.62356 (10021323)	389.61400 (10021323)		
3610373.4 |	372.87366 (10021323)	382.98915 (10021323)	393.01292 (10021323)
403.35975 (10021323)	414.30526 (10021323)		
3610360.2 |	397.27350 (10021323)	406.62183 (10021323)	415.99317 (10021323)
425.77990 (10021323)	440.74028 (10031204)		
3610347.0 |	418.70021 (10021323)	430.64356 (10031204)	444.48376 (10031204)

458.63026 (10031204) 472.63641 (10031204)
 3610333.8 | 448.06533 (10031204) 461.24093 (10031204) 474.44182 (10031204)
 488.06470 (10031204) 506.08514 (11030204)
 *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS) |			X-COORD (METERS)
491234.76	491172.36	491193.16	491213.96
	491255.56		

 3610598.0 | 190.60257 (11120418) 192.39618 (11120418) 195.08361 (11120418)
 197.79808 (11120418) 200.53818 (11120418)
 3610584.7 | 201.46589 (11120418) 203.12860 (11120418) 205.71377 (11120418)
 208.59229 (11120418) 210.68307 (11120418)
 3610571.5 | 210.23740 (11120418) 211.76140 (11120418) 214.24719 (11120418)
 217.32087 (11120418) 219.00602 (11120418)
 3610558.3 | 217.46948 (11120418) 218.87643 (11120418) 220.98922 (11120418)
 224.31754 (11120418) 226.07068 (11012122)
 3610545.1 | 223.38444 (11012122) 225.55589 (11012122) 227.99489 (11012122)
 231.22261 (11012122) 233.24608 (11012122)
 3610531.9 | 229.85131 (11012122) 231.66027 (11012122) 234.09374 (11012122)
 238.29960 (11110824) 242.35784 (11110824)
 3610518.7 | 240.08614 (11110824) 243.65538 (11110824) 247.49334 (11110824)
 251.55891 (11110824) 255.81659 (11110824)
 3610505.5 | 251.66912 (11110824) 255.12520 (11110824) 258.60278 (11110824)
 262.10235 (11110824) 266.73119 (11110824)

3610492.3 |	260.98230 (11110824)	264.21345 (11110824)	267.48979 (11110824)
270.81481 (11110824)	275.32462 (11110824)		
3610479.1 |	268.67166 (11110824)	272.10817 (11110824)	275.32063 (11110824)
278.60586 (11110824)	283.45301 (10101004)		
3610465.9 |	276.48830 (10101004)	280.38193 (10101004)	284.62566 (10101004)
289.01477 (11053104)	295.26034 (11053104)		
3610452.6 |	287.41591 (11053104)	292.92079 (12032623)	300.56082 (12032623)
307.82833 (12032623)	315.03944 (12032623)		
3610439.4 |	305.84715 (12032623)	312.53183 (12032623)	319.18284 (12032623)
326.09514 (12032623)	332.42794 (12032623)		
3610426.2 |	322.78472 (12032623)	328.96330 (12032623)	336.07296 (12111905)
345.36221 (12111905)	353.72975 (12111905)		
3610413.0 |	341.41719 (12111905)	349.48653 (12111905)	361.73688 (10021323)
374.46578 (10021323)	386.19190 (10021323)		
3610399.8 |	370.96923 (10021323)	381.18109 (10021323)	392.89684 (10021323)
404.41201 (10021323)	414.34872 (10021323)		
3610386.6 |	399.16120 (10021323)	409.24533 (10021323)	419.96983 (10021323)
429.84601 (10021323)	444.63175 (10031204)		
3610373.4 |	423.78412 (10021323)	435.03941 (10031204)	450.40596 (10031204)
465.20148 (10031204)	480.08260 (10031204)		
3610360.2 |	455.14946 (10031204)	469.30069 (10031204)	483.38869 (10031204)
497.46529 (10031204)	517.14328 (11030204)		
3610347.0 |	486.33488 (10031204)	501.38024 (11030204)	523.39786 (11012201)
553.04292 (11012201)	585.53006 (11012201)		
3610333.8	533.47702 (11012201)	563.58017 (11012201)	593.36465 (11012201)
623.15462 (11012201)	653.11319 (11012201)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD				X-COORD (METERS)
(METERS)		491276.36	491297.16	491317.96
			491359.56	
		491338.76		

```

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-----
3610598.0 | 202.80984 (11120418) 205.37992 (11120418) 208.21469 (11120418)
211.50472 (11120418) 215.62231 (11120418)
3610584.7 | 213.08534 (11120418) 215.28152 (11120418) 217.76891 (11120418)
220.95593 (11120418) 224.97588 (11120418)
3610571.5 | 221.29909 (11120418) 223.13173 (11120418) 225.35997 (11012122)
228.86073 (11012122) 233.07883 (11012122)
3610558.3 | 228.75153 (11012122) 230.96112 (11012122) 233.30078 (11012122)
236.88152 (11012122) 240.59878 (11012122)
3610545.1 | 235.82810 (11012122) 237.75088 (11012122) 240.18327 (11012122)
244.05270 (11110824) 249.30517 (11110824)
3610531.9 | 246.43200 (11110824) 250.32842 (11110824) 254.42723 (11110824)
259.04804 (11110824) 263.75928 (11110824)
3610518.7 | 259.42478 (11110824) 262.87290 (11110824) 266.36742 (11110824)
270.59380 (11110824) 277.19112 (11110824)
3610505.5 | 269.58849 (11110824) 272.95221 (11110824) 276.19645 (11110824)
280.03239 (11110824) 286.75076 (11110824)
3610492.3 | 278.04073 (11110824) 281.30695 (11110824) 284.66502 (11110824)
289.05019 (10101004) 296.59720 (10101004)
3610479.1 | 287.18447 (10101004) 291.46319 (10101004) 296.80077 (11053104)
302.12115 (12032623) 312.30008 (12032623)
3610465.9 | 301.89938 (12032623) 309.76020 (12032623) 317.34691 (12032623)
324.70855 (12032623) 332.87318 (12032623)
3610452.6 | 322.19981 (12032623) 329.53111 (12032623) 336.39181 (12032623)
343.08953 (12032623) 353.40433 (12111905)
3610439.4 | 339.62991 (12111905) 349.46375 (12111905) 358.75611 (12111905)
371.43628 (10021323) 385.19376 (10021323)
3610426.2 | 367.07684 (10021323) 380.10044 (10021323) 392.74601 (10021323)
405.24194 (10021323) 417.40913 (10021323)
3610413.0 | 399.21335 (10021323) 410.88821 (10021323) 422.22685 (10021323)
433.57385 (10021323) 447.67217 (10031204)
3610399.8 | 426.43627 (10021323) 438.49192 (10031204) 454.82662 (10031204)
471.21213 (10031204) 486.91814 (10031204)
3610386.6 | 460.65719 (10031204) 476.27412 (10031204) 491.42999 (10031204)
506.81036 (10031204) 527.60826 (11030204)
3610373.4 | 495.10151 (10031204) 511.60974 (11030204) 534.09581 (11030204)
567.41519 (11012201) 601.01908 (11012201)
3610360.2 | 544.31160 (11012201) 577.17673 (11012201) 610.14054 (11012201)
642.27850 (11012201) 676.10078 (11012201)
3610347.0 | 616.16717 (11012201) 648.84635 (11012201) 681.20225 (11012201)
722.35935 (10021521) 776.53609 (10021521)
3610333.8 | 683.75438 (11012201) 729.52907 (10021521) 780.51048 (10021521)
837.22864 (11042805) 932.07815 (11042805)

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1E ***
INCLUDING SOURCE(S): L0000175 , L0000176
, L0000177 , L0000178 , L0000179 ,
L0000180 , L0000181 , L0000182 , L0000183 , L0000184
, L0000185 , L0000186 , L0000187 ,
L0000188 , L0000189 , L0000190 , L0000191 , L0000192
, L0000193 , L0000194 , L0000195 ,
L0000196 , L0000197 , L0000198 , L0000199 , L0000200
, L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD | X-COORD (METERS)
(METERS) | 491380.36

3610598.0 | 218.84241 (11120418)
3610584.7 | 228.07598 (11120418)
3610571.5 | 236.43005 (11012122)
3610558.3 | 243.84323 (11012122)
3610545.1 | 254.59589 (11110824)
3610531.9 | 268.24116 (11110824)
3610518.7 | 279.74039 (11110824)
3610505.5 | 289.40362 (11110824)
3610492.3 | 299.89598 (11053104)
3610479.1 | 319.77185 (12032623)
3610465.9 | 339.85591 (12032623)
3610452.6 | 362.81971 (12111905)
3610439.4 | 398.05090 (10021323)
3610426.2 | 428.26994 (10021323)
3610413.0 | 463.54058 (10031204)
3610399.8 | 502.63868 (10031204)
3610386.6 | 557.09333 (11012201)
3610373.4 | 636.00162 (11012201)
3610360.2 | 715.33672 (10021521)
3610347.0 | 835.32295 (12111902)
3610333.8 | 1040.40393 (11042805)

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491360.32	491376.93	491393.54
491410.15	491426.76		

3610184.5 |	462.65936 (11021124)	438.85785 (11021124)	423.25290 (10112621)
418.26601	(10030323)	409.75499 (10030323)	
3610142.8 |	409.77802 (10081704)	399.87647 (10081704)	390.43802 (10081704)
379.59860	(10081704)	377.29543 (10081704)	
3610101.2 |	383.51078 (10120403)	372.54532 (10120403)	357.38672 (10120403)
337.92457	(10120403)	334.98436 (10120403)	
3610059.6 |	350.19912 (12050723)	347.60419 (12050723)	341.48626 (12050723)
329.43941	(12050723)	319.57407 (12050723)	
3610018.0 |	338.75613 (12042821)	336.47098 (11062622)	333.82954 (11091121)
329.66306	(11091121)	323.21937 (11091121)	
3609976.4 |	329.11751 (12022520)	327.31629 (12022520)	323.52388 (12042821)
323.18424	(12042821)	314.54406 (12042821)	
3609934.8 |	302.11575 (10033124)	302.65158 (10033124)	298.33525 (10033124)
297.91088	(12022520)	294.77529 (12022520)	
3609893.2 |	303.53655 (10033101)	301.54638 (10071423)	300.34667 (10032320)
296.26007	(10032320)	287.18464 (10032320)	
3609851.6 |	302.09090 (11032521)	291.33537 (11032521)	281.34781 (10033101)
284.39306	(10033101)	282.32304 (10033101)	
3609810.0 |	292.64219 (12120619)	284.26210 (12120619)	277.01119 (12120619)

280.34502 (11032521)	278.93042 (11032521)		
3609768.4 | 301.05125 (10030420)	291.26451 (10030420)	281.77321 (10030420)	
269.13935 (10030420)	272.15508 (12120619)		
3609726.7 | 286.94568 (10040120)	280.14064 (10030420)	282.56415 (10030420)	
281.97131 (10030420)	279.08450 (10030420)		
3609685.1 | 288.34071 (10040120)	289.59038 (10040120)	284.35052 (10040120)	
271.00634 (10040120)	262.12107 (10040120)		
3609643.5 | 274.41808 (10073122)	273.05278 (10073122)	270.79456 (10040120)	
269.45619 (10040120)	271.76238 (10040120)		
3609601.9 | 275.58881 (10013119)	265.99288 (10073122)	268.94822 (10073122)	
267.13395 (10073122)	262.25889 (10073122)		
3609560.3 | 296.62762 (10013119)	288.84636 (10013119)	279.21107 (10013119)	
263.55775 (10013119)	253.21007 (10073122)		
3609518.7 | 274.60798 (10090921)	275.84552 (10013119)	278.91546 (10013119)	
276.08055 (10013119)	269.48328 (10013119)		
3609477.1 | 267.00645 (10091101)	257.74668 (10091101)	255.47093 (10090921)	
260.72905 (10090921)	264.10020 (10013119)		
3609435.5 | 277.97935 (10041824)	263.26910 (10041824)	252.97792 (10091101)	
251.74343 (10091101)	245.70136 (11052522)		
3609393.9 | 267.60933 (11111520)	274.60682 (10041824)	271.80118 (10041824)	
258.94207 (10041824)	242.25084 (11091821)		
3609352.2 293.61188 (11111520)	284.48321 (11111520)	265.27871 (11111520)	
265.07436 (10041824)	263.47282 (10041824)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184
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 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491443.37	491459.98
		491476.59

491493.20

491509.81

3610184.5 |	396.98905 (10030323)	376.90179 (11010521)	366.43374 (11010521)
354.80234 (11010521)	341.96343 (11010521)		
3610142.8 |	371.39211 (10081704)	356.35137 (11092822)	335.86881 (11092822)
306.33471 (11092822)	317.97672 (11092822)		
3610101.2 |	340.16498 (10120403)	333.48253 (10120403)	311.15775 (10120403)
286.93204 (10012920)	287.26741 (11042322)		
3610059.6 |	307.84213 (10062422)	310.76490 (10062422)	304.71010 (10062422)
292.31000 (10062422)	270.72214 (10062422)		
3610018.0 |	314.73363 (11091121)	301.44733 (11091121)	291.92971 (11083021)
287.19532 (11083021)	275.90501 (11083021)		
3609976.4 |	303.80813 (12042821)	287.83294 (12042821)	279.77916 (12042821)
275.33246 (11062622)	273.19603 (11062622)		
3609934.8 |	290.20019 (12022520)	284.19149 (12022520)	276.69980 (12022520)
270.95960 (12022520)	264.80019 (12042821)		
3609893.2 |	280.55830 (10033124)	272.55870 (10033124)	266.51358 (10033124)
259.38137 (10033124)	257.53120 (11051223)		
3609851.6 |	275.32397 (10033101)	265.25761 (10071423)	262.36100 (10071423)
261.77252 (10032320)	259.94825 (10032320)		
3609810.0 |	275.21101 (11032521)	266.52985 (11032521)	264.61575 (10033101)
261.63293 (10033101)	259.56642 (10033101)		
3609768.4 |	274.31980 (12120619)	268.75746 (12120619)	263.07302 (12120619)
265.09584 (11032521)	262.69085 (11032521)		
3609726.7 |	275.03037 (10030420)	267.78728 (10030420)	257.65153 (10030420)
255.15714 (12120619)	260.14422 (12120619)		
3609685.1 |	260.93385 (10030420)	267.70985 (10030420)	269.74285 (10030420)
268.60742 (10030420)	266.27653 (10030420)		
3609643.5 |	273.06645 (10040120)	266.37703 (10040120)	258.99561 (10040120)
248.91037 (10040120)	254.51596 (10030420)		
3609601.9 |	254.86245 (10040120)	258.56769 (10040120)	259.56163 (10040120)
257.84991 (10040120)	251.77031 (10040120)		
3609560.3 |	254.29875 (10073122)	250.97002 (10073122)	243.66811 (10073122)
233.05244 (10073122)	235.65211 (10040120)		
3609518.7 |	257.05999 (10013119)	240.66964 (10073123)	232.97707 (10073122)
234.40257 (10073122)	234.28301 (10073122)		
3609477.1 |	265.31907 (10013119)	258.83565 (10013119)	249.73157 (10013119)
236.03422 (10013119)	226.94130 (10073123)		
3609435.5 |	243.96742 (10090921)	248.67747 (10090921)	250.42588 (10013119)
250.19536 (10013119)	242.26925 (10013119)		
3609393.9 |	240.21529 (10091101)	238.63036 (10091101)	235.61421 (11052522)
237.57411 (10090921)	233.76316 (10090921)		
3609352.2	252.26848 (10041824)	235.45539 (10041824)	230.92287 (10091101)
229.41006 (10091101)	225.12771 (11052522)		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1E ***
INCLUDING SOURCE(S): L0000175 , L0000176
, L0000177 , L0000178 , L0000179 ,
L0000180 , L0000181 , L0000182 , L0000183 , L0000184
, L0000185 , L0000186 , L0000187 ,
L0000188 , L0000189 , L0000190 , L0000191 , L0000192
, L0000193 , L0000194 , L0000195 ,
L0000196 , L0000197 , L0000198 , L0000199 , L0000200
, L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491526.42	491543.03	491559.64
	491576.25	491592.86	

3610184.5 |	332.25377 (10030323)	322.53285 (10030323)	309.59512 (10021402)
301.05687 (10021402)	290.43752 (10021402)		
3610142.8 |	317.63368 (11092822)	298.18094 (11092822)	282.47891 (11092822)
274.55377 (11070122)	266.57449 (11070122)		
3610101.2 |	284.56177 (11042322)	287.51925 (11042322)	272.01863 (11042322)
259.17901 (11042322)	249.34591 (11042322)		
3610059.6 |	262.15714 (11022503)	264.24455 (11022503)	256.56703 (11022503)
248.80438 (11022503)	243.35944 (11022503)		
3610018.0 |	263.29722 (12050723)	250.66518 (12050723)	246.62592 (12050723)
239.45788 (12050723)	233.02435 (10101703)		
3609976.4 |	261.00252 (11062622)	244.55656 (11062622)	245.10342 (11091121)
244.61399 (11091121)	237.03812 (11091121)		
3609934.8 |	261.17591 (12042821)	255.99282 (12042821)	252.21013 (12042821)
246.88113 (12042821)	240.28242 (12042821)		
3609893.2 |	257.29854 (12022520)	253.41515 (12022520)	251.35068 (12022520)
247.86225 (12022520)	239.84759 (12022520)		
3609851.6 |	259.70564 (10032320)	254.54104 (10033124)	255.47950 (10033124)
252.22702 (10033124)	247.68262 (10033124)		
3609810.0 |	258.62744 (10033101)	257.16271 (10071423)	257.29569 (10071423)
253.39359 (10032320)	249.52258 (10032320)		
3609768.4 |	260.77707 (11032521)	259.45938 (11032521)	257.13850 (10033101)
251.79502 (10033101)	244.50739 (10033101)		
3609726.7 |	260.47462 (12120619)	256.09218 (12120619)	254.28277 (11032521)

253.10349 (11032521)	244.92519 (11032521)		
3609685.1 | 256.93600 (10030420)	242.52900 (10030420)	239.81970 (12120619)	
238.74698 (12120619)	235.06876 (12120619)		
3609643.5 | 255.30634 (10030420)	250.44283 (10030420)	242.04088 (10030420)	
234.93929 (10030420)	227.58678 (10030420)		
3609601.9 | 243.59544 (10040120)	233.51983 (10040120)	223.68975 (10030420)	
226.54849 (10030420)	229.27096 (10030420)		
3609560.3 | 237.86559 (10040120)	238.86041 (10040120)	235.07501 (10040120)	
229.39336 (10040120)	219.35306 (11010719)		
3609518.7 | 229.93222 (10073122)	220.27212 (10073122)	216.30797 (10040120)	
219.41451 (10040120)	222.16765 (10040120)		
3609477.1 | 221.12501 (10073122)	222.64515 (10073122)	221.35593 (10073122)	
215.88760 (10073122)	209.31609 (10073122)		
3609435.5 | 234.70706 (10013119)	224.12194 (10013119)	216.85767 (10073123)	
212.26677 (10073122)	212.13376 (10073122)		
3609393.9 | 236.26186 (10013119)	237.44595 (10013119)	233.88995 (10013119)	
222.18993 (10013119)	210.54838 (10073123)		
3609352.2 | 220.89349 (10090921)	220.98948 (10090921)	222.01471 (10013119)	
227.32719 (10013119)	222.19744 (10013119)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491609.47	491626.08
491659.30	491675.91	491642.69

3610184.5	|	282.60406	(12011606)	279.91315	(12011606)	272.33093	(12011606)
269.48012		(12011606)	269.01237	(12011606)			
3610142.8	|	256.92179	(10102205)	247.26639	(10102205)	239.72350	(10102205)
236.52499		(10102205)	235.48683	(10102205)			
3610101.2	|	243.61332	(10012920)	239.58321	(10012920)	234.33669	(10012920)
231.13576		(10012920)	228.28609	(10012920)			
3610059.6	|	237.75734	(11022503)	231.05161	(10012920)	218.72911	(10012920)
212.46115		(10012920)	211.14157	(10012920)			
3610018.0	|	229.71672	(10101703)	224.15967	(10101703)	210.58437	(11022503)
205.12888		(11022503)	201.66280	(11022503)			
3609976.4	|	230.01170	(12021905)	227.80872	(12021905)	227.65332	(12021905)
227.11861		(12021905)	221.32034	(12021905)			
3609934.8	|	235.75870	(11062622)	234.60858	(11062622)	232.35141	(11062622)
226.51545		(11062622)	222.58076	(11062622)			
3609893.2	|	237.43342	(12042821)	237.76545	(12042821)	239.59786	(12042821)
234.37741		(12042821)	227.94631	(12042821)			
3609851.6	|	238.45623	(11051223)	233.98936	(12022520)	233.35509	(12022520)
228.44450		(12022520)	222.40452	(12022520)			
3609810.0	|	241.66567	(10032320)	232.69984	(10032320)	228.94762	(10033124)
224.05968		(10033124)	218.03905	(10033124)			
3609768.4	|	239.79232	(12011919)	236.90722	(12011919)	226.20803	(12011919)
219.81902		(12011919)	215.10743	(12011919)			
3609726.7	|	234.85736	(11032521)	226.12411	(11071724)	220.36822	(10033101)
214.84292		(10033101)	209.31059	(12011919)			
3609685.1	|	229.00262	(12120619)	223.25038	(12120619)	216.76043	(11032521)
207.13397		(11032521)	196.08846	(11032521)			
3609643.5	|	214.10933	(12120101)	211.81715	(12120101)	207.27419	(12120101)
203.43434		(12120619)	200.62500	(12120619)			
3609601.9	|	224.79384	(10030420)	217.60383	(10030420)	210.47027	(10030420)
201.29383		(10030420)	195.12099	(12120101)			
3609560.3	|	212.83221	(11022504)	207.15404	(11022504)	207.05590	(10030420)
206.57526		(10030420)	203.86914	(10030420)			
3609518.7	|	220.29609	(10040120)	214.86101	(11010719)	206.43686	(11010719)
200.58302		(11022504)	200.16214	(11022504)			
3609477.1	|	203.95989	(10040120)	206.99295	(10040120)	208.07669	(10040120)
207.50506		(11010719)	206.82508	(11010719)			
3609435.5	|	214.60304	(10073122)	212.12503	(10073122)	200.82143	(10073122)
190.00514		(10040120)	188.29892	(10040120)			
3609393.9	|	203.09540	(10073123)	198.54179	(10073122)	199.78375	(10073122)
197.87284		(10073122)	194.36655	(10073122)			
3609352.2		213.80166	(10013119)	202.95285	(10013119)	201.39643	(10073123)
190.57521		(10073123)	181.62166	(10073122)			

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)	491692.52	X-COORD (METERS)
---------------------	-----------	------------------

3610184.5	258.96914 (12011606)
3610142.8	232.26435 (10102205)
3610101.2	225.30845 (10012920)
3610059.6	216.27703 (10012920)
3610018.0	206.35797 (11022503)
3609976.4	217.87210 (12021905)
3609934.8	214.48907 (11082324)
3609893.2	223.23666 (12042821)
3609851.6	215.28347 (12022520)
3609810.0	211.72798 (11051223)
3609768.4	209.57029 (10032320)
3609726.7	208.09595 (12011919)
3609685.1	193.59109 (11071724)
3609643.5	193.82193 (12120619)
3609601.9	194.17889 (12120101)
3609560.3	201.34137 (10030420)
3609518.7	190.63182 (11022504)
3609477.1	203.38930 (11010719)
3609435.5	198.41625 (10040120)
3609393.9	186.01111 (10073122)
3609352.2	185.65130 (10073122)

*** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
491164.27	3610233.74	2310.56020 (11120904)	491278.96
3610288.22	1417.58588 (12040803)		
491317.19	3610288.22	2133.27720 (11120904)	491355.42
3610288.22	1867.75499 (11012023)		
491393.65	3610342.70	958.57650 (11042805)	491431.88
3610342.70	1224.38334 (12040803)		
491470.11	3610342.70	1813.06743 (11021222)	491508.34
3610342.70	1995.85086 (11011302)		
491546.57	3610342.70	1354.48354 (11012023)	491584.80
3610342.70	980.44301 (11021123)		
491623.03	3610342.70	780.31726 (11021123)	491508.34
3610397.18	727.99963 (11012201)		
491546.57	3610397.18	854.84451 (12111902)	491584.80
3610397.18	1071.08332 (11042805)		
491623.03	3610397.18	1515.89391 (12040803)	491508.34
3610451.66	450.38265 (10021323)		
491546.57	3610451.66	486.65259 (10031204)	491584.80
3610451.66	524.77935 (10031204)		
491623.03	3610451.66	575.23012 (11030204)	491508.34
3610506.14	322.87496 (12032623)		
491546.57	3610506.14	340.76461 (12032623)	491584.80
3610506.14	358.47347 (12032623)		
491623.03	3610506.14	378.19416 (12111905)	491508.34
3610560.62	264.67398 (11110824)		
491546.57	3610560.62	274.25572 (11110824)	491584.80
3610560.62	283.81554 (11110824)		
491623.03	3610560.62	293.20279 (11110824)	491087.81
3610615.10	193.75064 (12082103)		

491126.04	3610615.10	187.95356	(10071502)	491508.34
3610615.10	218.31246	(11120418)		
491546.57	3610615.10	224.49052	(11120418)	491584.80
3610615.10	230.19142	(11120418)		
491623.03	3610615.10	235.86226	(11120418)	491087.81
3610669.58	174.60675	(11041621)		
491126.04	3610669.58	176.79340	(11041621)	491508.34
3610669.58	184.20353	(11100724)		
491546.57	3610669.58	187.97687	(11100724)	491584.80
3610669.58	191.34364	(11100724)		
491623.03	3610669.58	194.96337	(11100724)	491546.57
3610724.06	163.72473	(12032504)		
491584.80	3610724.06	165.19014	(12032504)	491623.03
3610724.06	167.11832	(12032504)		
491546.57	3610778.54	152.68911	(12010521)	491584.80
3610778.54	154.27281	(12010521)		
491623.03	3610778.54	154.75091	(12010521)	490934.89
3610833.02	153.10986	(10061223)		
490973.12	3610833.02	150.30999	(12090323)	491011.35
3610833.02	155.79350	(12100221)		
491049.58	3610833.02	148.70809	(12062723)	491087.81
3610833.02	154.02488	(10081706)		
491126.04	3610833.02	144.70502	(12052301)	491164.27
3610833.02	142.57862	(12062423)		
491202.50	3610833.02	136.09148	(12080802)	491240.73
3610833.02	133.58446	(10101704)		
491278.96	3610833.02	133.74320	(12010521)	491317.19
3610833.02	134.57938	(12010521)		
491355.42	3610833.02	134.87229	(12010521)	491393.65
3610833.02	135.01071	(12010521)		
491431.88	3610833.02	135.34118	(12010521)	491470.11
3610833.02	135.65052	(12010521)		
491508.34	3610833.02	134.83155	(12010521)	491546.57
3610833.02	134.11718	(12010521)		
491584.80	3610833.02	133.19667	(12010521)	491623.03
3610833.02	133.00636	(11030522)		
490934.89	3610887.50	138.67773	(11020821)	490973.12
3610887.50	139.69452	(11031623)		
491011.35	3610887.50	139.87480	(10061223)	491049.58
3610887.50	136.10005	(11010619)		
491087.81	3610887.50	134.26149	(12100221)	491126.04
3610887.50	141.58540	(12062723)		
491164.27	3610887.50	137.49660	(10081706)	491202.50
3610887.50	124.35106	(11020821)		
491240.73	3610887.50	123.83565	(12052301)	491278.96
3610887.50	114.68115	(11030522)		
491317.19	3610887.50	114.97336	(11030522)	491355.42
3610887.50	115.28358	(10031722)		
491393.65	3610887.50	115.82457	(10031722)	491431.88
3610887.50	117.21738	(10031722)		

491470.11 3610887.50 117.83003 (10031722) 491508.34
 3610887.50 118.40334 (10031722)
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491546.57	3610887.50	118.60157 (10031722)	491584.80
3610887.50	118.52373 (10031722)		
491623.03	3610887.50	118.84263 (12040323)	490858.43
3610941.98	132.08545 (11010619)		
490896.66	3610941.98	127.79436 (10032304)	490934.89
3610941.98	121.91943 (10032304)		
490973.12	3610941.98	121.71983 (11082603)	491011.35
3610941.98	122.36258 (11031623)		
491049.58	3610941.98	130.20970 (12081902)	491087.81
3610941.98	134.38984 (11010619)		
491126.04	3610941.98	132.13194 (12090323)	491164.27
3610941.98	129.39772 (12100221)		
491202.50	3610941.98	124.18955 (12062723)	491240.73
3610941.98	106.75891 (10100103)		
491278.96	3610941.98	107.24630 (11082603)	491317.19
3610941.98	109.88539 (12052301)		
491355.42	3610941.98	107.93294 (12052301)	491393.65
3610941.98	107.12999 (12040323)		
491431.88	3610941.98	107.84368 (12040323)	491470.11

3610941.98	108.25483	(12040323)		
491508.34	3610941.98	108.75743	(12040323)	491546.57
3610941.98	109.13247	(11101001)		
491584.80	3610941.98	109.74351	(11101001)	491623.03
3610941.98	109.99047	(11101001)		
490858.43	3610996.46	120.27752	(12062424)	490896.66
3610996.46	120.15991	(11010619)		
490934.89	3610996.46	110.69166	(10032304)	490973.12
3610996.46	107.71193	(10032304)		
491011.35	3610996.46	119.09666	(10061723)	491049.58
3610996.46	123.35780	(11020821)		
491087.81	3610996.46	130.19677	(11031623)	491126.04
3610996.46	127.79448	(11010619)		
491164.27	3610996.46	119.08653	(11010619)	491202.50
3610996.46	111.45425	(10032304)		
491240.73	3610996.46	105.28092	(10032304)	491278.96
3610996.46	106.93343	(12062723)		
491317.19	3610996.46	101.97950	(11082603)	491355.42
3610996.46	100.18972	(11101001)		
491393.65	3610996.46	100.21434	(11101001)	491431.88
3610996.46	100.35442	(11100303)		
491470.11	3610996.46	100.58371	(11100303)	491508.34
3610996.46	100.70050	(10040223)		
491546.57	3610996.46	101.22695	(10040223)	491584.80
3610996.46	101.37951	(12032421)		
491623.03	3610996.46	101.78796	(12032421)	490858.43
3611050.94	109.60290	(12060622)		
490896.66	3611050.94	97.16976	(12060824)	490934.89
3611050.94	100.63886	(11010619)		
490973.12	3611050.94	102.91684	(12060824)	491011.35
3611050.94	105.37279	(10032304)		
491049.58	3611050.94	115.49564	(12060823)	491087.81
3611050.94	123.30820	(11020821)		
491126.04	3611050.94	116.74585	(11031623)	491164.27
3611050.94	114.67242	(11010619)		
491202.50	3611050.94	109.90236	(11010619)	491240.73
3611050.94	104.63295	(10032304)		
491278.96	3611050.94	99.63461	(10032304)	491317.19
3611050.94	94.40446	(12060823)		
491355.42	3611050.94	94.28153	(12062723)	491393.65
3611050.94	93.99433	(10031721)		
491431.88	3611050.94	94.17581	(10031721)	491470.11
3611050.94	94.81018	(10031721)		
491508.34	3611050.94	94.97344	(10031721)	491546.57
3611050.94	94.79656	(10031721)		
491584.80	3611050.94	95.74280	(11042922)	491623.03
3611050.94	96.81357	(11042922)		
490858.43	3611105.42	105.88585	(12060622)	490896.66
3611105.42	96.38357	(12060824)		
490934.89	3611105.42	95.66201	(12060824)	490973.12

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3611105.42      95.74008 (11010619)
      491011.35  3611105.42      98.47216 (12060824)      491049.58
3611105.42      118.95422 (10032304)
      491087.81  3611105.42      118.06224 (10032304)      491126.04
3611105.42      112.49360 (10061723)
      491164.27  3611105.42      112.12972 (11082603)      491202.50
3611105.42      109.00553 (11010619)
      491240.73  3611105.42      105.57464 (11010619)      491278.96
3611105.42      94.95557 (10032304)
      491317.19  3611105.42      92.36745 (10032304)      491355.42
3611105.42      90.54166 (10031721)

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^ *** AERMOD - VERSION 22112 ***      *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1E ***
      INCLUDING SOURCE(S):      L0000175      , L0000176
, L0000177      , L0000178      , L0000179      ,
      L0000180      , L0000181      , L0000182      , L0000183      , L0000184
, L0000185      , L0000186      , L0000187      ,
      L0000188      , L0000189      , L0000190      , L0000191      , L0000192
, L0000193      , L0000194      , L0000195      ,
      L0000196      , L0000197      , L0000198      , L0000199      , L0000200
, L0000201      , L0000202      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491393.65	3611105.42	90.82054 (10031721)	491431.88
3611105.42	91.21505 (10031721)		
491470.11	3611105.42	91.38351 (10031721)	491508.34
3611105.42	91.85630 (10031721)		
491546.57	3611105.42	91.78400 (10031721)	491584.80
3611105.42	91.95815 (11042922)		
491623.03	3611105.42	91.89708 (11042922)	490858.43
3611159.90	106.24538 (12063003)		
490896.66	3611159.90	95.72304 (12071705)	490934.89
3611159.90	91.50555 (12060824)		

490973.12	3611159.90	93.86276	(12060824)	491011.35
3611159.90	102.24603	(11010619)		
491049.58	3611159.90	110.35809	(11010619)	491087.81
3611159.90	106.60213	(10032304)		
491126.04	3611159.90	111.75929	(10032304)	491164.27
3611159.90	107.66787	(12060823)		
491202.50	3611159.90	101.01215	(10061723)	491240.73
3611159.90	95.26397	(11010619)		
491278.96	3611159.90	92.98263	(11010619)	491317.19
3611159.90	87.28180	(10031721)		
491355.42	3611159.90	87.55832	(10031721)	491393.65
3611159.90	87.86540	(10031721)		
491431.88	3611159.90	88.22175	(10031721)	491470.11
3611159.90	88.44999	(10031721)		
491508.34	3611159.90	88.70252	(10031721)	491546.57
3611159.90	88.87407	(10031721)		
491584.80	3611159.90	88.71861	(10031721)	491623.03
3611159.90	89.39701	(10031721)		
490858.43	3611214.38	102.79533	(12063003)	490896.66
3611214.38	91.69592	(12063003)		
490934.89	3611214.38	89.38941	(12060824)	490973.12
3611214.38	90.06390	(12060824)		
491011.35	3611214.38	102.69011	(12060824)	491049.58
3611214.38	104.80285	(11010619)		
491087.81	3611214.38	105.98616	(11010619)	491126.04
3611214.38	102.16311	(12052822)		
491164.27	3611214.38	104.34089	(10032304)	491202.50
3611214.38	94.12288	(12060823)		
491240.73	3611214.38	91.00349	(10061723)	491278.96
3611214.38	85.42421	(11082603)		
491317.19	3611214.38	84.54884	(10031721)	491355.42
3611214.38	84.69177	(10031721)		
491393.65	3611214.38	85.13175	(10031721)	491431.88
3611214.38	85.32895	(10031721)		
491470.11	3611214.38	85.44470	(10031721)	491508.34
3611214.38	85.81230	(10031721)		
491546.57	3611214.38	86.13045	(10031721)	491584.80
3611214.38	86.42807	(10031721)		
491623.03	3611214.38	86.71077	(10031721)	490858.43
3611268.86	98.81096	(12063003)		
490896.66	3611268.86	90.80367	(12063003)	490934.89
3611268.86	83.46140	(12071705)		
490973.12	3611268.86	88.53701	(12060824)	491011.35
3611268.86	92.54793	(12060824)		
491049.58	3611268.86	96.86897	(12060824)	491087.81
3611268.86	99.20910	(12060824)		
491126.04	3611268.86	101.94463	(11010619)	491164.27
3611268.86	92.39709	(11010619)		
491202.50	3611268.86	91.97219	(10032304)	491240.73
3611268.86	83.94253	(10032304)		

491278.96	3611268.86	81.43562	(10031721)	491317.19
3611268.86	81.98919	(10031721)		
491355.42	3611268.86	82.26717	(10031721)	491393.65
3611268.86	82.47323	(10031721)		
491431.88	3611268.86	82.69115	(10031721)	491470.11
3611268.86	82.89752	(10031721)		
491508.34	3611268.86	83.13820	(10031721)	491546.57
3611268.86	83.40657	(10031721)		
491584.80	3611268.86	83.55943	(10031721)	491623.03
3611268.86	83.66832	(10031322)		
490858.43	3611323.34	99.25896	(12063003)	490896.66
3611323.34	92.21826	(12063003)		
490934.89	3611323.34	83.26188	(12063003)	490973.12
3611323.34	86.56296	(12060824)		
491011.35	3611323.34	88.58109	(12060824)	491049.58
3611323.34	88.92100	(12060824)		
491087.81	3611323.34	93.54950	(12060824)	491126.04
3611323.34	94.38372	(12060824)		
491164.27	3611323.34	93.04577	(11010619)	491202.50
3611323.34	84.05328	(11010619)		

^ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	79.61932	(12050304)	491278.96

3611323.34	79.28527	(10031721)			
491317.19	3611323.34	79.61645	(10031721)		491355.42
3611323.34	79.82855	(10031721)			
491393.65	3611323.34	80.00518	(10031721)		491431.88
3611323.34	80.10021	(10031721)			
491470.11	3611323.34	80.34859	(10031721)		491508.34
3611323.34	80.54865	(10031721)			
491546.57	3611323.34	80.66080	(10031721)		491584.80
3611323.34	80.82337	(10031721)			
491623.03	3611323.34	81.65734	(10031322)		491583.40
3608705.27	154.32739	(11091122)			
491577.37	3608727.37	158.64931	(11091122)		491573.36
3608753.50	161.88205	(11091122)			
491562.30	3608782.64	167.73578	(11091122)		491565.32
3608775.60	165.81112	(11091122)			
491547.23	3608819.81	170.78824	(11102120)		491545.22
3608840.91	176.78625	(11102120)			
491533.16	3608877.09	187.19523	(11102120)		491524.12
3608898.19	189.54991	(11102120)			
491522.11	3608915.27	189.64666	(11112103)		491520.10
3608925.32	191.71085	(11112103)			
491511.06	3608945.41	195.95238	(11112103)		491507.04
3608961.49	200.05906	(11112103)			
491499.00	3608982.59	202.63416	(11112103)		491498.00
3608992.64	201.74877	(11112103)			
491490.96	3609007.71	201.82036	(11112103)		491484.93
3609030.82	205.53857	(10030321)			
491478.91	3609048.91	210.85428	(10030321)		491470.87
3609072.02	210.54552	(10030321)			
491461.82	3609094.12	211.40146	(11050401)		491450.77
3609114.22	217.20117	(11050401)			
491449.77	3609129.29	220.39468	(11050401)		491443.74
3609145.37	220.90470	(11050401)			
491439.72	3609164.46	227.03603	(12041421)		491434.69
3609178.52	235.22700	(12041421)			
491424.65	3609198.62	242.43882	(12041421)		491418.62
3609216.71	241.91391	(12041421)			
491414.60	3609231.78	242.09918	(12041421)		491409.57
3609244.84	242.16753	(12041421)			
491398.52	3609273.98	252.95897	(11111520)		491397.52
3609289.05	265.23349	(11111520)			
491388.47	3609312.16	275.83451	(11111520)		491383.45
3609329.24	283.31266	(11111520)			
491377.42	3609354.36	282.21414	(11111520)		491374.41
3609371.44	271.36314	(11111520)			
491361.34	3609405.61	275.14594	(10041824)		491355.32
3609423.69	279.91136	(10041824)			
491340.24	3609470.92	276.14788	(10041824)		491324.17
3609526.18	276.45549	(10091101)			
491329.19	3609504.08	270.81263	(10091101)		491314.12

3609546.28	279.63753	(11052522)			
491302.06	3609575.42	291.51221	(10090921)		491296.03
3609594.51	303.57644	(10013119)			
491286.99	3609618.62	317.85814	(10013119)		491279.96
3609632.69	322.56530	(10013119)			
491274.93	3609648.77	327.31263	(10013119)		491269.91
3609666.85	319.87026	(10013119)			
491264.88	3609679.92	311.39283	(10013119)		491259.86
3609700.01	295.11179	(10073122)			
491269.76	3609874.49	326.02658	(12120619)		491098.46
3610169.21	921.62002	(11021123)			
491115.74	3610172.91	893.57437	(11021123)		491105.25
3610150.69	726.53051	(11021123)			
491109.57	3610134.65	613.60181	(10122724)		491108.33
3610125.39	584.49773	(10122724)			
491113.27	3610114.29	540.21749	(10122724)		491118.82
3610099.48	486.19737	(11021124)			
491122.52	3610087.75	469.04443	(12042821)		491127.46
3610070.47	469.28209	(12022520)			
491131.78	3610051.96	497.18130	(12022520)		491136.72
3610040.85	487.28233	(12022520)			
491138.57	3610034.07	464.90537	(10033124)		491139.80
3610021.73	433.56163	(10032320)			
491157.08	3610005.06	422.38632	(10032320)		491166.95
3609998.89	409.50757	(10032320)			
491178.68	3609984.70	372.15115	(10033101)		491174.98
3609963.10	370.47272	(10033101)			
491184.23	3609965.57	360.58282	(10033101)		491176.21
3609942.12	359.51236	(11032521)			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK1E ***
 INCLUDING SOURCE(S): L0000175 , L0000176
 , L0000177 , L0000178 , L0000179 ,
 L0000180 , L0000181 , L0000182 , L0000183 , L0000184
 , L0000185 , L0000186 , L0000187 ,
 L0000188 , L0000189 , L0000190 , L0000191 , L0000192
 , L0000193 , L0000194 , L0000195 ,
 L0000196 , L0000197 , L0000198 , L0000199 , L0000200
 , L0000201 , L0000202 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	353.47954	(11032521)	491179.91
3609920.53	343.73741	(12120619)		
491191.64	3609922.99	341.22802	(12120619)	491189.17
3609903.25	376.57236	(10030420)		
491198.42	3609906.95	347.05367	(12120619)	491194.72
3609882.27	378.72929	(10030420)		
491205.83	3609887.20	325.93377	(10030420)	491200.89
3609866.84	341.12873	(10030420)		
491205.83	3609849.56	357.60119	(10030420)	491212.62
3609864.99	332.94115	(10030420)		
491303.94	3609929.78	332.66023	(10032320)	491267.54
3609903.25	331.26959	(11032521)		
491277.41	3609879.18	324.89619	(11032521)	491324.31
3609896.46	322.57595	(10033101)		
491135.48	3610120.46	532.83166	(10122724)	491124.99
3610139.59	612.86286	(10122724)		
491130.55	3610141.44	612.66368	(10122724)	491142.89
3610145.14	610.58187	(10122724)		
491165.10	3610151.31	604.80942	(10122724)	491172.51
3610156.25	613.02589	(10122724)		
491183.00	3610155.01	595.25717	(10122724)	491190.40
3610158.72	599.08199	(10122724)		
491197.81	3610138.97	514.03181	(10122724)	491162.02
3610130.33	532.83664	(10122724)		
491150.91	3610113.67	492.09624	(11021124)	491164.49
3610115.52	484.13008	(11021124)		
491178.06	3610123.54	491.70040	(11021124)	491189.17
3610125.39	485.77814	(11021124)		
491197.81	3610126.63	480.45675	(11021124)	491158.93
3610084.05	448.88032	(12042821)		
491175.59	3610088.37	448.09287	(11091121)	491188.55
3610090.84	444.28236	(11091121)		
491202.13	3610096.39	434.97425	(11091121)	491252.11
3610069.86	400.32888	(11091121)		
491240.39	3610095.77	407.08892	(12050723)	491232.36
3610128.48	447.07790	(11021124)		
491220.02	3610152.55	534.35753	(10122724)	491213.85
3610179.70	651.37938	(12032205)		
491204.60	3610206.85	922.25959	(11021123)	491297.77
3610095.16	388.62906	(10120403)		
491316.29	3610102.56	383.54091	(10120403)	491271.24
3610169.21	522.56280	(10122724)		

491296.54	3610170.44	495.46125	(11021124)	491224.34
3609806.98	342.68766	(10040120)		
491232.36	3609786.00	325.92041	(10040120)	491240.39
3609769.96	317.22819	(10040120)		
491245.94	3609753.92	307.02434	(10073122)	491250.26
3609731.08	311.02324	(10073122)		
491255.20	3609716.89	303.74810	(10073122)	491354.41
3609557.94	297.59743	(10013119)		
491349.69	3609575.67	305.61251	(10013119)	491331.95
3609630.05	281.61772	(10013119)		
491310.67	3609696.25	291.26172	(10073122)	491301.22
3609737.63	311.32635	(10040120)		
491289.40	3609771.91	310.87227	(10040120)	491276.39
3609801.46	317.44836	(10030420)		
491310.67	3609805.01	306.58104	(10030420)	492077.18
3610785.74	170.53039	(11121018)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490903.38	490928.68	490953.98
490979.28	491004.58		

 3610794.6 | 613.48364 (10040120) 625.13368 (10030420) 562.40059 (12120619)
 526.01041 (11032521) 490.70585 (10033101)
 3610785.6 | 637.75008 (10040120) 621.02628 (10030420) 547.97537 (10030420)

536.79359	(12120619)	483.93731	(11032521)		
3610776.7	| 627.67881	(10073122)	595.22725	(10040120)	602.79340 (10030420)
529.22475	(12120619)	512.34431	(11032521)		
3610767.7	| 698.79763	(10073122)	626.98598	(10040120)	593.75801 (10030420)
544.62840	(10030420)	518.87967	(12120619)		
3610758.7	| 703.01150	(10073122)	609.97231	(10040120)	574.02755 (10040120)
581.73965	(10030420)	494.31121	(12120619)		
3610749.8	| 751.09481	(10101020)	660.36244	(10073122)	598.69808 (10040120)
562.66925	(10030420)	532.09255	(10030420)		
3610740.8	| 793.51130	(10101020)	673.59687	(10073122)	584.80803 (10040120)
547.09532	(10040120)	553.82389	(10030420)		
3610731.9	| 793.73367	(10090921)	685.94982	(10073123)	615.41413 (10073122)
570.51109	(10040120)	530.70900	(10030420)		
3610722.9	| 781.86110	(11052522)	738.33885	(10101020)	641.01665 (10073122)
561.35601	(10040120)	518.51001	(10040120)		
3610713.9	| 798.35101	(10091101)	751.12789	(10101020)	633.88278 (10073123)
572.80227	(10073122)	542.60732	(10040120)		
3610705.0	| 836.19385	(10041824)	752.39371	(10090921)	679.83342 (10013119)
606.66993	(10073122)	538.13981	(10040120)		
3610696.0	| 879.27747	(10041824)	740.27961	(11052522)	715.13632 (10101020)
603.19366	(10073122)	533.33175	(10073122)		
3610687.1	| 888.82926	(11111520)	756.49309	(10091101)	711.17864 (10090921)
623.57588	(10073123)	572.86039	(10073122)		
3610678.1	| 944.98694	(11111520)	794.05943	(10041824)	711.65732 (10090921)
670.15563	(10013119)	583.66539	(12062423)		
3610669.1	| 963.02811	(11111520)	834.54011	(10041824)	701.81698 (11052522)
685.68724	(10013119)	623.64253	(10082301)		
3610660.2	| 957.12002	(12041421)	837.42251	(10041824)	717.14670 (10091101)
684.21346	(10090921)	653.17978	(12090701)		
3610651.2	| 993.36569	(12041421)	889.88652	(11111520)	754.90478 (10041824)
674.77689	(10082301)	658.47699	(12090701)		
3610642.3	| 1002.00079	(11050401)	917.72822	(11111520)	790.14206 (10041824)
707.55210	(12090701)	707.04923	(10061623)		
3610633.3	| 1017.77327	(11050401)	910.95792	(11111520)	793.98474 (10041824)
720.43126	(10061623)	817.05988	(10061623)		
3610624.3	| 1061.53947	(11112103)	931.59179	(12041421)	831.82943 (11111520)
861.54192	(10061623)	902.58264	(11041621)		
3610615.4	1085.76636	(11112103)	945.36963	(12041421)	916.90934 (10061623)
949.82266	(11041621)	936.76965	(11041621)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811

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, L0000812 , L0000813 , L0000814 ,
, L0000815 , L0000816 , L0000817 , L0000818 , L0000819
, L0000820 , L0000821 , L0000822 ,
, L0000823 , L0000824 , L0000825 , L0000826 , L0000827
, L0000828 , L0000829 , L0000830 ,
, L0000831 , L0000832 , L0000833 , L0000834 , L0000835
, L0000836 , L0000837 , . . . ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)	CONC OF PM_10 (MICROGRAMS/M ³)
491105.78	491029.88	423.81613 (10033124)
	491131.08	395.91889 (12100221)
3610794.6		394.84226 (12100221)
		397.35610 (10081706)
3610785.6		400.36495 (12100221)
		408.00993 (10081706)
3610776.7		409.21503 (10081706)
		415.36851 (10081706)
3610767.7		425.28211 (10081706)
		421.13486 (12062423)
3610758.7		427.39969 (11032521)
		441.18263 (11032521)
3610749.8		433.41128 (10081706)
		443.61454 (12062423)
3610740.8		447.66902 (12062423)
		458.67464 (12062423)
3610731.9		461.19887 (10030420)
		471.99273 (12120619)
3610722.9		469.36168 (12062423)
		473.09589 (10082301)
3610713.9		514.23680 (10030420)
		463.42453 (12120619)
3610705.0		484.65538 (10082301)
		486.83490 (12090701)
3610696.0		528.15889 (10030420)
		464.87564 (12062423)
3610687.1		506.62339 (10082301)
		484.17165 (12090701)
3610678.1		504.03109 (10030420)
		495.35374 (10030420)
3610669.1		513.56869 (12090701)
		472.52364 (12080205)
610.99811		501.51110 (12062423)
		510.36754 (12062423)
		527.26163 (12090701)
		503.09125 (12080205)
		485.56416 (10111905)
		534.63902 (12062423)
		540.05322 (10082301)
		531.81212 (12090701)
		494.72026 (10111905)
		532.18966 (10061623)
		568.07985 (10082301)
		553.41094 (12090701)
		518.34078 (12080205)
		544.90275 (10061623)
		572.25350 (10061623)
		590.02831 (10082301)
		553.64932 (12080205)
		552.16018 (10111905)
		602.03691 (10061623)
		585.90591 (11041621)
		610.29444 (12090701)
		567.40218 (10111905)
		629.27796 (10061623)
		610.99811 (11041621)
		633.06954 (11041621)

3610660.2	593.17852 (12080205)	652.54454 (10061623)	654.31889 (10061623)
674.66106 (11041621)	600.33680 (11041621)		
3610651.2	679.00343 (10061623)	701.76646 (10061623)	718.62531 (11041621)
648.18177 (11041621)	606.30399 (10082424)		
3610642.3	756.78499 (10061623)	785.29099 (11041621)	701.47331 (11041621)
648.21067 (10082424)	622.64348 (12082103)		
3610633.3	822.49829 (11041621)	781.67845 (11041621)	706.66081 (12082103)
664.73234 (10071502)	630.30226 (10071502)		
3610624.3	838.67575 (11041621)	781.59827 (12082103)	739.89436 (10071502)
666.09318 (10071502)	605.43505 (11021319)		
3610615.4	829.57220 (12082103)	812.69428 (10071502)	738.31842 (11021319)
641.68053 (11021319)	569.23935 (11031921)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD			X-COORD (METERS)
(METERS)	491156.38	491181.68	491206.98
	491232.28	491257.58	

3610794.6	393.61472 (10081706)	382.62791 (12062423)	395.89427 (12062423)
383.87276 (10082301)	366.97693 (12090701)		
3610785.6	399.26421 (10081706)	400.57947 (12062423)	404.75304 (10082301)
391.15737 (12090701)	372.02409 (12080205)		
3610776.7	418.73302 (12062423)	409.42579 (12062423)	416.26741 (12090701)
391.45935 (12080205)	363.78867 (12080205)		
3610767.7	435.35942 (12062423)	426.85976 (10082301)	418.71971 (12090701)

388.06141	(12080205)	353.93284	(10111905)		
3610758.7	| 446.79266	(10082301)	433.60236	(12090701)	417.12590 (12080205)
364.00854	(12080205)	386.79475	(10111905)		
3610749.8	| 460.88082	(10082301)	432.11379	(12090701)	401.44798 (12080205)
394.11631	(10111905)	404.12347	(10061623)		
3610740.8	| 465.65959	(12090701)	426.48112	(12080205)	412.07086 (10111905)
416.56347	(10061623)	428.97474	(10061623)		
3610731.9	| 460.61947	(12080205)	419.37080	(10111905)	436.15469 (10111905)
450.70595	(10061623)	413.61198	(10061623)		
3610722.9	| 441.91141	(12080205)	457.63573	(10111905)	471.65301 (10061623)
442.43597	(10061623)	455.20729	(11041621)		
3610713.9	| 477.64305	(10111905)	497.98735	(10061623)	478.47221 (10061623)
478.52091	(11041621)	456.71498	(11041621)		
3610705.0	| 523.18036	(10061623)	516.31829	(10061623)	509.87961 (11041621)
492.61398	(11041621)	420.07298	(10082424)		
3610696.0	| 548.27993	(10061623)	542.69816	(11041621)	523.83992 (11041621)
455.79412	(10082424)	437.87102	(10082424)		
3610687.1	| 568.44088	(11041621)	573.85007	(11041621)	483.57992 (11041621)
481.33584	(10082424)	452.64001	(12082103)		
3610678.1	| 602.61656	(11041621)	526.13634	(11041621)	509.99938 (10082424)
490.59316	(12082103)	447.87630	(10071502)		
3610669.1	| 565.38752	(11041621)	548.36697	(10082424)	532.34315 (12082103)
482.98710	(10071502)	426.54392	(10071502)		
3610660.2	| 575.96044	(10082424)	564.69141	(12082103)	542.77877 (10071502)
452.87281	(11021319)	418.55304	(10071624)		
3610651.2	| 592.60707	(12082103)	568.54485	(10071502)	527.79697 (11021319)
441.02614	(11021319)	400.83289	(11031921)		
3610642.3	| 586.65586	(10071502)	544.01600	(11021319)	485.96326 (11021319)
428.83992	(11031921)	411.00430	(11031921)		
3610633.3	| 558.41339	(11021319)	485.38297	(11021319)	476.85045 (11031921)
434.34966	(12080702)	419.10967	(12092203)		
3610624.3	| 505.04308	(11031921)	490.75433	(11031921)	478.56052 (12080702)
433.42798	(12092203)	391.83246	(11040422)		
3610615.4	515.60359	(12080702)	490.84494	(12080702)	446.21468 (12080702)
425.15940	(11040422)	411.62045	(11040422)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827

, L0000828 , L0000829 , L0000830 ,
 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491282.88	491308.18	491333.48
491358.78	491384.08		

3610794.6 |	349.90677 (12080205)	307.85044 (12080205)	331.57163 (10111905)
303.76624 (10111905)	290.13902 (10061623)		
3610785.6 |	334.38674 (12080205)	336.51976 (10111905)	340.14788 (10111905)
309.31636 (10061623)	289.70791 (10061623)		
3610776.7 |	343.81428 (10111905)	351.22258 (10111905)	354.39696 (10061623)
312.93334 (10061623)	305.79785 (11041621)		
3610767.7 |	369.44135 (10111905)	369.65653 (10061623)	352.55255 (10061623)
324.25485 (11041621)	324.32780 (11041621)		
3610758.7 |	384.39814 (10061623)	379.25835 (10061623)	349.14657 (11041621)
358.60555 (11041621)	323.02328 (11041621)		
3610749.8 |	395.28244 (10061623)	369.58836 (11041621)	371.72474 (11041621)
359.26012 (11041621)	313.34544 (10082424)		
3610740.8 |	384.46968 (11041621)	398.09302 (11041621)	369.18669 (11041621)
339.36554 (10082424)	330.38850 (10082424)		
3610731.9 |	419.30839 (11041621)	392.13845 (11041621)	352.28795 (10082424)
352.93810 (10082424)	340.88399 (12082103)		
3610722.9 |	416.69732 (11041621)	366.10151 (10082424)	372.05879 (10082424)
364.13095 (12082103)	344.08470 (12082103)		
3610713.9 |	392.22950 (10082424)	381.32879 (10082424)	384.15529 (12082103)
365.03866 (12082103)	345.10096 (10071502)		
3610705.0 |	414.44685 (10082424)	394.80514 (12082103)	376.97611 (12082103)
369.02622 (10071502)	340.56266 (10071624)		
3610696.0 |	433.75686 (12082103)	384.00653 (12082103)	376.10875 (10071502)
370.10743 (10071624)	334.68301 (10071624)		
3610687.1 |	433.78579 (10071502)	382.74161 (10071502)	368.64916 (10071624)
362.42229 (10071624)	318.83844 (11031921)		
3610678.1 |	414.09425 (10071502)	382.18680 (10071624)	353.76409 (10071624)
349.70521 (11031921)	351.13488 (11031921)		
3610669.1 |	400.83066 (10071624)	358.60169 (10071624)	355.85829 (11031921)
363.49403 (11031921)	363.95297 (12080702)		
3610660.2 |	363.26013 (11031921)	368.57903 (11031921)	360.95378 (11031921)
365.08603 (12080702)	378.88560 (12080702)		
3610651.2 |	383.89994 (11031921)	372.05425 (12080702)	374.55652 (12092203)
362.21126 (12080702)	363.09750 (11040422)		

3610642.3	|	391.69159 (12092203)	380.92031 (12092203)	355.74642 (12092203)
364.33370		(11040422)	382.97975 (11040422)	
3610633.3	|	381.48413 (12092203)	362.22183 (11040422)	373.84171 (11040422)
375.36493		(11040422)	378.06871 (11040422)	
3610624.3	|	384.29633 (11040422)	376.45394 (11040422)	370.15760 (11040422)
361.33330		(11040422)	349.51378 (11082824)	
3610615.4		382.15078 (11040422)	351.85854 (11040422)	339.16206 (11082824)
359.55880		(11082824)	361.43753 (11082824)	

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 , L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 , L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491409.38	

3610794.6	|	272.00604 (10061623)
3610785.6	|	292.94514 (11041621)
3610776.7	|	313.08142 (11041621)
3610767.7	|	309.97454 (11041621)
3610758.7	|	302.74647 (10082424)
3610749.8	|	323.49234 (10082424)
3610740.8	|	341.57574 (12082103)
3610731.9	|	351.35721 (12082103)
3610722.9	|	359.33371 (10071502)
3610713.9	|	350.14256 (10071624)
3610705.0	|	349.95400 (10071624)
3610696.0	|	322.41790 (10071624)

3610687.1 | 337.13780 (11031921)
 3610678.1 | 342.63520 (11031921)
 3610669.1 | 358.73704 (12080702)
 3610660.2 | 348.70742 (12080702)
 3610651.2 | 360.57628 (11040422)
 3610642.3 | 373.49576 (11040422)
 3610633.3 | 354.91182 (11040422)
 3610624.3 | 348.81802 (11082824)
 3610615.4 | 350.58257 (11082824)

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 , L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 , L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490964.36	490985.16	491005.96
	491026.76	491047.56	

 3610598.0 | 1062.14784 (11041621) 998.30326 (12082103) 953.92578 (10071502)
 850.67335 (11021319) 732.34280 (11021319)
 3610584.7 | 1100.14911 (10071502) 985.57405 (11021319) 832.45824 (11031921)
 762.41965 (12080702) 702.00701 (12080702)
 3610571.5 | 918.31882 (12080702) 867.89709 (12080702) 786.96626 (11040422)
 727.16877 (11040422) 652.92475 (11040422)
 3610558.3 | 895.31743 (11050401) 820.88823 (12041421) 789.57846 (11111520)
 705.98906 (10041824) 614.75876 (10041824)
 3610545.1 | 915.00734 (11112103) 848.97471 (12041421) 797.47766 (11111520)
 726.17248 (11111520) 669.43069 (10041824)

3610531.9 |	967.77538 (11112103)	854.04928 (11050401)	794.85778 (12041421)
770.47740 (11111520)	682.31416 (10041824)		
3610518.7 |	984.48527 (11102120)	864.17238 (11112103)	818.70047 (12041421)
766.46726 (11111520)	713.15940 (11111520)		
3610505.5 |	991.18727 (11102120)	921.50746 (11112103)	821.88106 (11050401)
763.91859 (12041421)	745.85777 (11111520)		
3610492.3 |	1013.69798 (11091122)	942.75081 (11102120)	828.69768 (10030321)
785.71328 (12041421)	740.18002 (11111520)		
3610479.1 |	1007.03494 (11091122)	974.26988 (11102120)	880.59463 (11112103)
789.72950 (11050401)	748.43022 (12041421)		
3610465.9 |	1013.32535 (10080822)	969.50898 (11091122)	892.82654 (11112103)
793.93966 (10030321)	765.63926 (12041421)		
3610452.6 |	1023.32533 (10080822)	955.93341 (11091122)	905.28166 (11102120)
839.50910 (11112103)	762.09118 (11050401)		
3610439.4 |	1032.73005 (10091223)	918.38734 (10080822)	894.54193 (11102120)
866.08870 (11112103)	759.02921 (10030321)		
3610426.2 |	1035.12235 (10091223)	967.75026 (10080822)	922.16800 (11091122)
884.69312 (11102120)	798.05217 (11112103)		
3610413.0 |	1063.43851 (11050423)	986.51812 (10091223)	918.80185 (11091122)
892.82977 (11102120)	828.58726 (11112103)		
3610399.8 |	1051.08662 (11050321)	1006.58582 (10091223)	929.28396 (10080822)
898.90824 (11091122)	843.43191 (11102120)		
3610386.6 |	1047.43825 (11050321)	1007.47125 (11050423)	956.46091 (10080822)
894.81824 (11091122)	860.14604 (11102120)		
3610373.4 |	1071.48570 (11040421)	1019.80280 (11050423)	968.99456 (10091223)
863.84746 (10080822)	858.05468 (11091122)		
3610360.2 |	1124.94531 (11040421)	1019.66048 (11050321)	978.52604 (10091223)
897.38838 (10080822)	865.28769 (11091122)		
3610347.0 |	1145.52832 (11040421)	1024.50509 (11050321)	984.94141 (11050423)
910.43990 (10080822)	848.49827 (11091122)		
3610333.8	1144.66079 (12032120)	1058.64769 (11040421)	1004.95898 (11050423)
938.75448 (10091223)	854.39403 (10080822)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491068.36	491151.56	491089.16	X-COORD (METERS)	491109.96
---------------------	-----------	-----------	-----------	------------------	-----------

3610598.0 |	684.83323 (11031921)	654.90925 (12080702)	605.56251 (12080702)
556.30869 (11040422)	516.29478 (11040422)		
3610584.7 |	654.61829 (11040422)	624.95602 (11040422)	580.57110 (11040422)
535.95640 (11040422)	474.27472 (11040422)		
3610571.5 |	598.93025 (11040422)	574.84635 (10013119)	510.59118 (11082824)
488.45463 (10101019)	461.56852 (10101019)		
3610558.3 |	573.90402 (11052522)	567.58433 (10090921)	551.44417 (10013119)
476.08553 (10073123)	455.43219 (10073122)		
3610545.1 |	586.99073 (10091101)	559.40908 (10090921)	556.10568 (10013119)
523.63272 (10013119)	450.67119 (10073123)		
3610531.9 |	616.94436 (10041824)	559.31950 (10091101)	550.61568 (10090921)
543.04804 (10013119)	493.19901 (10013119)		
3610518.7 |	657.19608 (10041824)	566.54620 (11091821)	537.09841 (11052522)
534.06975 (10090921)	524.46097 (10013119)		
3610505.5 |	657.96704 (10041824)	614.00848 (10041824)	547.78446 (10091101)
526.70162 (10090921)	524.29236 (10013119)		
3610492.3 |	704.47881 (11111520)	640.56298 (10041824)	561.32598 (10041824)
521.74647 (10091101)	518.69422 (10090921)		
3610479.1 |	729.83730 (11111520)	639.33869 (11111520)	607.50616 (10041824)
532.56206 (10091101)	505.22681 (11052522)		
3610465.9 |	714.39857 (11111520)	690.42037 (11111520)	621.50213 (10041824)
562.60057 (10041824)	513.83946 (10091101)		
3610452.6 |	724.88150 (12041421)	706.35617 (11111520)	632.86450 (11111520)
595.02449 (10041824)	518.79934 (11091821)		
3610439.4 |	737.05211 (12041421)	687.01451 (11111520)	675.28299 (11111520)
598.31460 (10041824)	560.70964 (10041824)		
3610426.2 |	736.28531 (11050401)	705.20314 (12041421)	685.13383 (11111520)
622.64695 (11111520)	583.75996 (10041824)		
3610413.0 |	733.44297 (10030321)	717.09880 (12041421)	662.08138 (11111520)
656.38384 (11111520)	579.00933 (10041824)		
3610399.8 |	769.22294 (11112103)	715.61739 (11050401)	683.99365 (12041421)
660.06582 (11111520)	614.78038 (11111520)		
3610386.6 |	803.34815 (11112103)	713.56112 (11050401)	693.49624 (12041421)
635.52883 (11111520)	637.68862 (11111520)		
3610373.4 |	811.15299 (11102120)	738.99635 (11112103)	691.18082 (11050401)
662.14432 (12041421)	634.02891 (11111520)		
3610360.2 |	832.61659 (11102120)	773.72396 (11112103)	689.93322 (11050401)

669.31471 (12041421) 607.91958 (12041421)
 3610347.0 | 824.41678 (11102120) 779.55909 (11112103) 706.68058 (11112103)
 664.26040 (11050401) 636.56356 (12041421)
 3610333.8 | 836.11816 (11091122) 802.13245 (11102120) 745.27712 (11112103)
 665.51954 (11050401) 643.63704 (12041421)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
	491234.76	491255.56	

 3610598.0 | 480.03023 (11040422) 437.20280 (11040422) 409.61342 (11040422)
 386.43354 (11082824) 381.84510 (11082824)
 3610584.7 | 441.42676 (11082824) 411.39505 (11082824) 396.69181 (11082824)
 392.58779 (10101019) 372.86535 (10101019)
 3610571.5 | 427.91681 (10101019) 405.09684 (10040120) 381.05224 (10040120)
 378.85664 (10021719) 376.79620 (10030420)
 3610558.3 | 420.43407 (10073122) 395.80082 (10040120) 396.20444 (10040120)
 373.74590 (10040120) 354.23630 (10030420)
 3610545.1 | 441.42819 (10073122) 398.34185 (10073122) 390.63287 (10040120)
 390.33312 (10040120) 359.40930 (10040120)
 3610531.9 | 432.59089 (10073122) 425.70345 (10073122) 377.72620 (10073122)
 386.49126 (10040120) 379.07609 (10040120)
 3610518.7 | 461.11384 (10013119) 425.70897 (10073122) 410.56221 (10073122)
 365.48702 (10040120) 379.97501 (10040120)

3610505.5 |	501.52569 (10013119)	434.26343 (10073123)	417.77231 (10073122)
394.61128 (10073122)	363.37118 (10040120)		
3610492.3 |	514.19427 (10013119)	476.06159 (10013119)	412.13864 (10073123)
407.57451 (10073122)	379.38474 (10073122)		
3610479.1 |	504.39535 (10090921)	499.29942 (10013119)	449.12870 (10013119)
397.25204 (10073122)	396.76316 (10073122)		
3610465.9 |	497.31910 (10090921)	495.90330 (10013119)	480.72253 (10013119)
421.80535 (10013119)	392.56950 (10073122)		
3610452.6 |	489.03741 (11052522)	490.38244 (10090921)	487.84496 (10013119)
459.45270 (10013119)	399.47046 (10073123)		
3610439.4 |	501.50816 (10091101)	476.41680 (11052522)	477.82290 (10090921)
475.91864 (10013119)	436.32021 (10013119)		
3610426.2 |	516.76044 (10041824)	482.63222 (10091101)	470.96671 (10090921)
469.84188 (10013119)	460.66571 (10013119)		
3610413.0 |	554.91980 (10041824)	486.39192 (10091101)	463.02428 (11052522)
464.79004 (10090921)	464.29107 (10013119)		
3610399.8 |	568.40924 (10041824)	518.09844 (10041824)	473.10729 (10091101)
450.11997 (11052522)	454.06532 (10090921)		
3610386.6 |	562.79359 (11111520)	546.32692 (10041824)	476.98957 (11091821)
453.95749 (10091101)	447.16721 (10090921)		
3610373.4 |	604.33785 (11111520)	551.53683 (10041824)	514.33707 (10041824)
460.46586 (10091101)	438.77491 (11052522)		
3610360.2 |	620.49868 (11111520)	557.25925 (11111520)	535.46427 (10041824)
478.74781 (10041824)	447.13843 (10091101)		
3610347.0 |	612.44941 (11111520)	591.14191 (11111520)	533.62065 (10041824)
511.87815 (10041824)	448.12900 (11091821)		
3610333.8	590.33913 (12041421)	600.90563 (11111520)	551.44665 (11111520)
523.94426 (10041824)	479.70286 (10041824)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|				X-COORD (METERS)
(METERS)	|	491276.36		491297.16	491317.96
	|		491359.56		
	|	491338.76			

3610598.0	|	363.60197 (11082824)	348.02561 (11082824)	339.55024 (10101019)
343.26643	|	(10101019)	362.81290 (10101019)	
3610584.7	|	357.17232 (10101019)	335.74505 (10101019)	323.83596 (12120619)
316.86759	|	(11032521)	343.17165 (10021719)	
3610571.5	|	361.69573 (10030420)	324.79251 (10021719)	310.74069 (12120619)
319.21650	|	(12120619)	333.49272 (10021719)	
3610558.3	|	368.23421 (10030420)	350.13469 (10030420)	307.66300 (10030420)
306.09637	|	(12120619)	317.11462 (12120619)	
3610545.1	|	349.04355 (10030420)	357.43040 (10030420)	340.50131 (10030420)
305.96262	|	(10030420)	300.09971 (12120619)	
3610531.9	|	347.96658 (10040120)	340.87511 (10030420)	349.66302 (10030420)
336.96296	|	(10030420)	304.74471 (10030420)	
3610518.7	|	369.82571 (10040120)	337.04700 (10040120)	334.95623 (10030420)
345.71254	|	(10030420)	336.65097 (10030420)	
3610505.5	|	372.61570 (10040120)	359.86613 (10040120)	326.63523 (10040120)
331.93084	|	(10030420)	329.91917 (10061622)	
3610492.3	|	358.80934 (10040120)	364.51577 (10040120)	349.29627 (10040120)
316.71328	|	(10040120)	320.32528 (10030420)	
3610479.1	|	361.81889 (10073122)	354.33190 (10040120)	356.91535 (10040120)
337.93645	|	(10040120)	313.36730 (10040120)	
3610465.9	|	384.04141 (10073122)	345.21112 (10073122)	349.10264 (10040120)
347.83479	|	(10040120)	332.23315 (10040120)	
3610452.6	|	385.96304 (10073122)	370.74054 (10073122)	330.39511 (10040120)
342.86988	|	(10040120)	341.64460 (10040120)	
3610439.4	|	380.45594 (10073123)	378.07809 (10073122)	356.72234 (10073122)
327.39989	|	(10040120)	337.56019 (10040120)	
3610426.2	|	412.88435 (10013119)	367.32917 (10073122)	368.81897 (10073122)
342.40766	|	(10073122)	323.40146 (10040120)	
3610413.0	|	442.57223 (10013119)	389.19942 (10013119)	363.47312 (10073122)
358.49770	|	(10073122)	326.02738 (10073122)	
3610399.8	|	453.73320 (10013119)	423.02359 (10013119)	369.47258 (10073123)
357.98312	|	(10073122)	344.27781 (10073122)	
3610386.6	|	446.37487 (10013119)	441.54649 (10013119)	402.19628 (10013119)
352.31602	|	(10073123)	347.59965 (10073122)	
3610373.4	|	441.13819 (10090921)	441.72194 (10013119)	426.68565 (10013119)
380.17555	|	(10013119)	337.45797 (10073122)	
3610360.2	|	427.24203 (11052522)	431.55838 (10090921)	433.41308 (10013119)
409.65780	|	(10013119)	352.66012 (10073123)	
3610347.0	|	429.44872 (10091101)	424.92417 (10090921)	424.23570 (10013119)
424.07860	|	(10013119)	384.49226 (10013119)	
3610333.8	|	438.65206 (10091101)	417.90341 (11052522)	421.08006 (10090921)

421.78163 (10013119) 405.84579 (10013119)
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD | X-COORD (METERS)
 (METERS) | 491380.36

 3610598.0 | 361.58690 (10101019)
 3610584.7 | 349.34774 (10021719)
 3610571.5 | 334.61117 (10021719)
 3610558.3 | 308.52617 (11032521)
 3610545.1 | 310.70492 (12120619)
 3610531.9 | 294.75434 (12120619)
 3610518.7 | 304.89702 (10030420)
 3610505.5 | 330.55868 (10030420)
 3610492.3 | 336.84314 (10030420)
 3610479.1 | 321.94386 (10030420)
 3610465.9 | 297.20699 (10040120)
 3610452.6 | 317.90935 (10040120)
 3610439.4 | 327.79300 (10040120)
 3610426.2 | 323.07873 (10040120)
 3610413.0 | 305.97466 (10040120)
 3610399.8 | 304.34532 (10073122)
 3610386.6 | 329.33797 (10073122)
 3610373.4 | 338.49212 (10073122)
 3610360.2 | 332.68326 (10073122)

3610347.0 | 336.70647 (10073123)
 3610333.8 | 364.51094 (10013119)
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491410.15	491360.32	491376.93	491393.54
	491426.76		

3610184.5 |	451.75420 (10041824)	446.54186 (10041824)	416.79079 (10041824)
378.65639	(11091821)	368.44602 (10091101)	
3610142.8 |	505.21546 (11111520)	477.03822 (11111520)	430.78477 (10041824)
432.04825	(10041824)	412.91401 (10041824)	
3610101.2 |	484.06097 (12041421)	485.77029 (11111520)	489.61024 (11111520)
463.28080	(11111520)	416.74236 (11111520)	
3610059.6 |	496.94411 (12041421)	496.79395 (12041421)	468.62165 (12041421)
464.77040	(11111520)	470.95579 (11111520)	
3610018.0 |	505.42773 (10030321)	493.27684 (11050401)	478.85582 (12041421)
477.76000	(12041421)	450.95528 (12041421)	
3609976.4 |	548.11031 (11112103)	515.38381 (11112103)	484.69591 (10030321)
474.85435	(11050401)	460.03987 (12041421)	
3609934.8 |	562.10078 (11102120)	533.43474 (11102120)	523.87336 (11112103)
488.14451	(11112103)	461.86749 (10030321)	
3609893.2 |	560.49554 (11091122)	546.26687 (11102120)	542.27205 (11102120)
516.09223	(11112103)	502.50320 (11112103)	
3609851.6 |	512.78948 (11091122)	540.40598 (11091122)	535.72896 (11091122)

529.15430 (11102120)	517.53206 (11102120)		
3609810.0 | 547.08975 (10080822)	519.26866 (10080822)	505.99909 (11091122)	
524.81730 (11091122)	511.88129 (11091122)		
3609768.4 | 553.71825 (10091223)	527.70050 (10080822)	521.36808 (10080822)	
482.66151 (10080822)	500.67937 (11091122)		
3609726.7 | 554.11014 (11050423)	535.27034 (10091223)	525.22832 (10091223)	
511.47439 (10080822)	491.95140 (10080822)		
3609685.1 | 551.40660 (11050321)	537.34069 (11050423)	521.15301 (11050423)	
517.75313 (10091223)	491.84568 (10091223)		
3609643.5 | 526.12520 (11050321)	538.36285 (11050321)	513.36741 (11050423)	
516.20629 (11050423)	500.21695 (10091223)		
3609601.9 | 595.12199 (11040421)	526.71946 (11040421)	520.43745 (11050321)	
511.04322 (11050321)	501.98943 (11050423)		
3609560.3 | 601.31322 (11040421)	590.06353 (11040421)	535.16134 (11040421)	
497.20225 (11050321)	503.04545 (11050321)		
3609518.7 | 598.68328 (12032120)	580.13793 (11040421)	582.00329 (11040421)	
542.07515 (11040421)	473.56964 (11050321)		
3609477.1 | 554.35864 (12032120)	582.41735 (12032120)	566.90742 (12032120)	
569.51199 (11040421)	541.69534 (11040421)		
3609435.5 | 511.45453 (10052522)	531.54803 (12032120)	563.68265 (12032120)	
556.01143 (12032120)	553.38736 (11040421)		
3609393.9 | 515.39367 (10052522)	501.28894 (10052522)	506.43620 (12032120)	
544.10629 (12032120)	547.52135 (12032120)		
3609352.2 546.97099 (11032221)	496.76689 (10052522)	490.92752 (10052522)	
481.93617 (12032120)	523.99757 (12032120)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD				X-COORD (METERS)
(METERS)	491443.37		491459.98	491476.59
	491493.20	491509.81		

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-----
3610184.5 | 350.84503 (11052522) 342.00126 (10090921) 340.75470 (10090921)
334.70118 (10013119) 338.71663 (10013119)
3610142.8 | 375.37042 (10041824) 353.78503 (10091101) 339.63781 (10091101)
320.73036 (11052522) 327.03289 (10090921)
3610101.2 | 415.85654 (10041824) 402.90240 (10041824) 367.40208 (10041824)
330.18632 (11091821) 325.10434 (10091101)
3610059.6 | 450.88281 (11111520) 412.99256 (11111520) 397.75501 (10041824)
388.83071 (10041824) 357.73928 (10041824)
3610018.0 | 443.15075 (11111520) 450.04612 (11111520) 435.33686 (11111520)
401.26477 (11111520) 374.16745 (10041824)
3609976.4 | 457.32659 (12041421) 429.66658 (12041421) 418.78610 (11111520)
429.63999 (11111520) 420.38854 (11111520)
3609934.8 | 453.56192 (11050401) 439.87600 (12041421) 437.69257 (12041421)
415.59628 (12041421) 400.12447 (11111520)
3609893.2 | 462.67372 (11112103) 440.92701 (10030321) 434.99201 (11050401)
422.19119 (12041421) 422.58512 (12041421)
3609851.6 | 497.43116 (11112103) 478.91092 (11112103) 442.62454 (10030321)
424.30507 (10030321) 421.92749 (11050401)
3609810.0 | 512.51213 (11102120) 493.75425 (11102120) 480.99972 (11112103)
459.94956 (11112103) 428.78181 (10030321)
3609768.4 | 508.19923 (11091122) 492.47664 (11102120) 494.31548 (11102120)
471.57560 (11102120) 465.33356 (11112103)
3609726.7 | 465.30445 (11091122) 490.41075 (11091122) 489.02233 (11091122)
481.24291 (11102120) 477.68990 (11102120)
3609685.1 | 490.42440 (10080822) 460.37357 (10080822) 461.88497 (11091122)
477.94984 (11091122) 468.89778 (11091122)
3609643.5 | 491.67563 (10091223) 478.53421 (10080822) 465.48006 (10080822)
427.88176 (10080822) 455.66254 (11091122)
3609601.9 | 484.67811 (11050423) 483.69919 (10091223) 462.50513 (10091223)
461.54613 (10080822) 438.79425 (10080822)
3609560.3 | 484.51694 (11050423) 482.82241 (11050423) 469.41459 (10091223)
463.23313 (10091223) 449.01639 (10080822)
3609518.7 | 491.32845 (11050321) 476.97904 (11050321) 473.44200 (11050423)
455.68811 (11050423) 455.46852 (10091223)
3609477.1 | 483.74214 (11040421) 474.11274 (11050321) 472.34151 (11050321)
457.62501 (11050423) 453.20210 (11050423)
3609435.5 | 539.73357 (11040421) 491.04135 (11040421) 452.75022 (11050321)
462.49237 (11050321) 444.23409 (11050321)
3609393.9 | 535.93351 (11040421) 529.50815 (11040421) 493.92675 (11040421)
436.05501 (11040421) 448.83115 (11050321)
3609352.2 | 535.20345 (12032120) 515.99856 (11040421) 521.92791 (11040421)
494.90507 (11040421) 444.58825 (11040421)

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*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2N ***
INCLUDING SOURCE(S): L0000810 , L0000811
, L0000812 , L0000813 , L0000814 ,
L0000815 , L0000816 , L0000817 , L0000818 , L0000819
, L0000820 , L0000821 , L0000822 ,
L0000823 , L0000824 , L0000825 , L0000826 , L0000827
, L0000828 , L0000829 , L0000830 ,
L0000831 , L0000832 , L0000833 , L0000834 , L0000835
, L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491576.25	491526.42	491543.03	491559.64
	491592.86		

3610184.5 | 328.82284 (10013119) 304.76808 (10013119) 271.51265 (10073123)
248.71221 (10073123) 243.19419 (10073122)
3610142.8 | 327.81931 (10090921) 322.43391 (10013119) 313.73979 (10013119)
298.55742 (10013119) 275.08753 (10013119)
3610101.2 | 310.17914 (11052522) 308.57956 (11052522) 307.84384 (10090921)
298.07885 (10090921) 296.36832 (10013119)
3610059.6 | 322.16962 (11091821) 314.08159 (10091101) 302.81664 (10091101)
290.77935 (11052522) 287.14532 (10090921)
3610018.0 | 369.25984 (10041824) 348.06006 (10041824) 318.81596 (10041824)
296.63725 (11091821) 291.27113 (10091101)
3609976.4 | 386.93949 (11111520) 346.87800 (10041824) 352.11508 (10041824)
343.14484 (10041824) 318.01550 (10041824)
3609934.8 | 410.83061 (11111520) 403.43600 (11111520) 379.65779 (11111520)
341.92553 (11111520) 343.94035 (10041824)
3609893.2 | 402.27374 (12041421) 383.93775 (11111520) 397.32855 (11111520)
394.63505 (11111520) 373.51486 (11111520)
3609851.6 | 412.76042 (12041421) 410.80389 (12041421) 393.20564 (12041421)
374.03010 (11111520) 388.40921 (11111520)
3609810.0 | 411.50468 (11050401) 411.22230 (11050401) 403.09176 (12041421)
401.51379 (12041421) 383.27905 (12041421)
3609768.4 | 442.91403 (11112103) 418.07024 (10030321) 401.84011 (11050401)

398.30656 (11050401)	388.58171 (12041421)		
3609726.7 | 454.92688 (11112103)	449.66453 (11112103)	424.29038 (11112103)	
403.06752 (10030321)	388.34200 (11050401)		
3609685.1 | 468.95484 (11102120)	458.77380 (11102120)	441.44534 (11112103)	
431.74507 (11112103)	402.87501 (11112103)		
3609643.5 | 463.31696 (11091122)	446.62787 (11091122)	451.72405 (11102120)	
436.47862 (11102120)	425.27719 (11112103)		
3609601.9 | 423.39507 (11091122)	445.37843 (11091122)	444.49481 (11091122)	
434.33728 (11102120)	435.93950 (11102120)		
3609560.3 | 440.68933 (10080822)	409.85897 (10080822)	418.50295 (11091122)	
432.63496 (11091122)	424.73700 (11091122)		
3609518.7 | 437.03336 (10091223)	434.33046 (10080822)	415.87540 (10080822)	
384.68265 (11091122)	411.53613 (11091122)		
3609477.1 | 440.87844 (10091223)	435.26148 (10091223)	419.45744 (10080822)	
415.00618 (10080822)	391.24435 (10080822)		
3609435.5 | 444.83305 (11050423)	427.31035 (11050423)	428.50711 (10091223)	
412.55819 (10091223)	407.49439 (10080822)		
3609393.9 | 441.73098 (11050321)	431.79422 (11050423)	425.75304 (11050423)	
414.89466 (10091223)	409.75768 (10091223)		
3609352.2 431.81028 (11050321)	434.45762 (11050321)	414.07323 (11050321)	
418.97422 (11050423)	400.58493 (11050423)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491609.47	491626.08
491659.30	491675.91	491642.69

3610184.5 |	242.34774 (10073122)	234.64719 (10073122)	217.36866 (10073122)
200.13511 (10073122)	201.56570 (10040120)		
3610142.8 |	249.71414 (10073123)	229.19161 (10073123)	225.34263 (10073122)
225.43908 (10073122)	220.81409 (10073122)		
3610101.2 |	289.27974 (10013119)	273.79025 (10013119)	247.95523 (10013119)
230.64630 (10073123)	215.90436 (10073123)		
3610059.6 |	287.43340 (10090921)	279.39437 (10013119)	268.30352 (10013119)
256.43783 (10013119)	243.53143 (10013119)		
3610018.0 |	278.59548 (10091101)	273.50432 (11052522)	266.47106 (10090921)
262.13294 (10090921)	256.60385 (10013119)		
3609976.4 |	291.77063 (11091821)	283.52345 (10091101)	277.44404 (10091101)
270.23992 (11052522)	265.16640 (10090921)		
3609934.8 |	338.21772 (10041824)	319.95073 (10041824)	291.94565 (10041824)
276.80241 (10091101)	273.85542 (10091101)		
3609893.2 |	341.71243 (11111520)	333.45797 (10041824)	333.24315 (10041824)
318.48220 (10041824)	293.65165 (10041824)		
3609851.6 |	385.64807 (11111520)	368.41833 (11111520)	339.15177 (11111520)
320.06418 (10041824)	320.52367 (10041824)		
3609810.0 |	359.61717 (11111520)	371.91650 (11111520)	372.45512 (11111520)
358.50292 (11111520)	331.57711 (11111520)		
3609768.4 |	386.86155 (12041421)	369.78228 (12041421)	340.75227 (11111520)
354.35616 (11111520)	357.97430 (11111520)		
3609726.7 |	383.59368 (11050401)	374.45915 (12041421)	371.49753 (12041421)
354.20763 (12041421)	325.02917 (11111520)		
3609685.1 |	384.12625 (10030321)	372.09604 (11050401)	366.07233 (11050401)
355.67985 (12041421)	350.67930 (12041421)		
3609643.5 |	411.90076 (11112103)	381.30321 (11112103)	366.41260 (10030321)
355.15532 (11050401)	349.46587 (11050401)		
3609601.9 |	415.65006 (11102120)	407.95226 (11112103)	392.81873 (11112103)
363.29028 (10030321)	351.34401 (10030321)		
3609560.3 |	422.06378 (11102120)	417.72042 (11102120)	394.96116 (11102120)
393.63793 (11112103)	376.37004 (11112103)		
3609518.7 |	418.54024 (11091122)	404.82098 (11091122)	406.48578 (11102120)
398.88046 (11102120)	384.60500 (11112103)		
3609477.1 |	384.04352 (11091122)	403.26781 (11091122)	403.95096 (11091122)
391.23568 (11102120)	396.87862 (11102120)		
3609435.5 |	396.30959 (10080822)	367.03770 (10080822)	381.33537 (11091122)
393.31373 (11091122)	386.42543 (11091122)		
3609393.9 |	392.96514 (10080822)	391.67009 (10080822)	371.87356 (10080822)
349.60280 (11091122)	373.21589 (11091122)		
3609352.2	401.99450 (10091223)	388.11574 (10091223)	383.83881 (10080822)
373.37318 (10080822)	345.82316 (10080822)		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2N ***
INCLUDING SOURCE(S): L0000810 , L0000811
, L0000812 , L0000813 , L0000814 ,
L0000815 , L0000816 , L0000817 , L0000818 , L0000819
, L0000820 , L0000821 , L0000822 ,
L0000823 , L0000824 , L0000825 , L0000826 , L0000827
, L0000828 , L0000829 , L0000830 ,
L0000831 , L0000832 , L0000833 , L0000834 , L0000835
, L0000836 , L0000837 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
(METERS) | 491692.52

3610184.5 | 200.46126 (10040120)
3610142.8 | 209.50496 (10073122)
3610101.2 | 215.15808 (10073122)
3610059.6 | 232.51255 (10013119)
3610018.0 | 262.28708 (10013119)
3609976.4 | 269.02838 (10090921)
3609934.8 | 260.43099 (10091101)
3609893.2 | 274.27344 (11091821)
3609851.6 | 310.02405 (10041824)
3609810.0 | 304.12182 (10041824)
3609768.4 | 346.82385 (11111520)
3609726.7 | 338.67379 (11111520)
3609685.1 | 337.11658 (12041421)
3609643.5 | 340.62790 (12041421)
3609601.9 | 343.32369 (11050401)
3609560.3 | 352.04051 (10030321)
3609518.7 | 378.26483 (11112103)
3609477.1 | 385.52720 (11102120)
3609435.5 | 384.26368 (11102120)
3609393.9 | 379.99878 (11091122)
3609352.2 | 346.12156 (11091122)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23

*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 , L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 , L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	690.60355	(11102120)	491278.96
3610288.22	498.60561	(10041824)		
491317.19	3610288.22	417.39730	(10091101)	491355.42
3610288.22	396.33164	(10090921)		
491393.65	3610342.70	320.20877	(10073122)	491431.88
3610342.70	308.94235	(10073122)		
491470.11	3610342.70	278.55332	(10040120)	491508.34
3610342.70	277.30217	(10040120)		
491546.57	3610342.70	241.69551	(10040120)	491584.80
3610342.70	232.10444	(10030420)		
491623.03	3610342.70	223.66037	(10030420)	491508.34
3610397.18	261.63935	(10030420)		
491546.57	3610397.18	245.77088	(10030420)	491584.80
3610397.18	200.16407	(12120619)		
491623.03	3610397.18	211.22438	(12120619)	491508.34
3610451.66	233.17079	(12120619)		
491546.57	3610451.66	236.49040	(12120619)	491584.80
3610451.66	225.09942	(11032521)		
491623.03	3610451.66	198.04736	(11032521)	491508.34
3610506.14	251.43092	(11032521)		
491546.57	3610506.14	231.53707	(10033101)	491584.80
3610506.14	218.38896	(10033101)		
491623.03	3610506.14	199.64346	(10032320)	491508.34
3610560.62	236.47002	(10032320)		
491546.57	3610560.62	225.70513	(10032320)	491584.80
3610560.62	212.72566	(10033124)		

491623.03	3610560.62	192.26346	(12022520)	491087.81
3610615.10	713.98499	(11021319)		
491126.04	3610615.10	580.22206	(11031921)	491508.34
3610615.10	245.01751	(12072001)		
491546.57	3610615.10	233.93948	(12072001)	491584.80
3610615.10	214.09075	(11050421)		
491623.03	3610615.10	191.07773	(12031203)	491087.81
3610669.58	632.52555	(10061623)		
491126.04	3610669.58	638.07269	(11041621)	491508.34
3610669.58	268.94698	(11040422)		
491546.57	3610669.58	272.81058	(11040422)	491584.80
3610669.58	246.65945	(11040422)		
491623.03	3610669.58	221.35806	(11040422)	491546.57
3610724.06	260.57010	(11031921)		
491584.80	3610724.06	238.90755	(12090424)	491623.03
3610724.06	231.28115	(12092203)		
491546.57	3610778.54	291.60480	(12082103)	491584.80
3610778.54	271.62534	(10071502)		
491623.03	3610778.54	215.39816	(10101721)	490934.89
3610833.02	539.02931	(10033101)		
490973.12	3610833.02	480.94606	(10033124)	491011.35
3610833.02	426.54641	(12022520)		
491049.58	3610833.02	385.03401	(12042821)	491087.81
3610833.02	359.17726	(12081902)		
491126.04	3610833.02	362.91871	(12090323)	491164.27
3610833.02	358.72145	(12100221)		
491202.50	3610833.02	351.61348	(10081706)	491240.73
3610833.02	328.39513	(12062423)		
491278.96	3610833.02	333.36169	(12062423)	491317.19
3610833.02	334.42098	(12090701)		
491355.42	3610833.02	308.72190	(12080205)	491393.65
3610833.02	258.57163	(10111905)		
491431.88	3610833.02	277.72161	(10111905)	491470.11
3610833.02	277.74854	(10061623)		
491508.34	3610833.02	233.87897	(11022424)	491546.57
3610833.02	250.48073	(11041621)		
491584.80	3610833.02	251.83247	(11041621)	491623.03
3610833.02	218.65137	(10082424)		
490934.89	3610887.50	413.43704	(11091121)	490973.12
3610887.50	369.09356	(11083021)		
491011.35	3610887.50	334.95504	(12050723)	491049.58
3610887.50	319.65981	(10120403)		
491087.81	3610887.50	312.30460	(11020821)	491126.04
3610887.50	341.17746	(11020821)		
491164.27	3610887.50	327.65547	(12081902)	491202.50
3610887.50	314.40379	(12090323)		
491240.73	3610887.50	295.60754	(12100221)	491278.96
3610887.50	291.42321	(10081706)		
491317.19	3610887.50	281.53661	(10081706)	491355.42
3610887.50	271.21895	(12062423)		

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491393.65 3610887.50 253.13892 (12080802) 491431.88
3610887.50 267.39675 (12080205)
491470.11 3610887.50 250.99138 (12080205) 491508.34
3610887.50 213.77630 (10111905)
^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2N ***
INCLUDING SOURCE(S): L0000810 , L0000811
, L0000812 , L0000813 , L0000814 ,
L0000815 , L0000816 , L0000817 , L0000818 , L0000819
, L0000820 , L0000821 , L0000822 ,
L0000823 , L0000824 , L0000825 , L0000826 , L0000827
, L0000828 , L0000829 , L0000830 ,
L0000831 , L0000832 , L0000833 , L0000834 , L0000835
, L0000836 , L0000837 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491546.57	3610887.50	227.05932 (10111905)	491584.80
3610887.50	214.72626 (10061623)		
491623.03	3610887.50	203.52617 (10061623)	490858.43
3610941.98	386.61876 (10120403)		
490896.66	3610941.98	338.13693 (10081704)	490934.89
3610941.98	304.90731 (11092822)		
490973.12	3610941.98	285.52576 (11010619)	491011.35
3610941.98	279.34397 (10032304)		
491049.58	3610941.98	302.93842 (11041622)	491087.81
3610941.98	306.34460 (11041622)		
491126.04	3610941.98	317.99537 (11121018)	491164.27
3610941.98	307.05167 (11020821)		
491202.50	3610941.98	288.56033 (12081902)	491240.73
3610941.98	249.09608 (10061223)		
491278.96	3610941.98	264.54351 (12090323)	491317.19
3610941.98	256.10731 (12100221)		
491355.42	3610941.98	257.67297 (12092403)	491393.65

3610941.98	245.41602	(12092403)		
491431.88	3610941.98	237.07398	(12052301)	491470.11
3610941.98	216.03283	(12080802)		
491508.34	3610941.98	217.22120	(10101704)	491546.57
3610941.98	222.86282	(12080205)		
491584.80	3610941.98	206.46518	(12080205)	491623.03
3610941.98	178.74001	(10111905)		
490858.43	3610996.46	340.81684	(11050321)	490896.66
3610996.46	296.66464	(12060824)		
490934.89	3610996.46	265.54708	(12090522)	490973.12
3610996.46	245.92884	(12090522)		
491011.35	3610996.46	279.53619	(10040821)	491049.58
3610996.46	284.05361	(11041622)		
491087.81	3610996.46	298.39448	(11041622)	491126.04
3610996.46	290.68612	(11041622)		
491164.27	3610996.46	274.24366	(12090624)	491202.50
3610996.46	256.46566	(12090222)		
491240.73	3610996.46	239.84473	(11020821)	491278.96
3610996.46	242.71223	(12081902)		
491317.19	3610996.46	235.36025	(12090323)	491355.42
3610996.46	242.51405	(12090323)		
491393.65	3610996.46	226.18858	(12062723)	491431.88
3610996.46	216.57751	(12092403)		
491470.11	3610996.46	214.03504	(12092403)	491508.34
3610996.46	199.50424	(12052301)		
491546.57	3610996.46	192.85512	(12062423)	491584.80
3610996.46	184.04411	(12080802)		
491623.03	3610996.46	197.94046	(10101704)	490858.43
3611050.94	296.60860	(10091223)		
490896.66	3611050.94	249.42019	(12060824)	490934.89
3611050.94	238.38762	(12060824)		
490973.12	3611050.94	237.54939	(12090522)	491011.35
3611050.94	235.95859	(12090522)		
491049.58	3611050.94	269.13130	(10040821)	491087.81
3611050.94	281.51289	(10040821)		
491126.04	3611050.94	275.76823	(11041622)	491164.27
3611050.94	256.24019	(10032304)		
491202.50	3611050.94	248.08742	(12090624)	491240.73
3611050.94	240.70183	(12090222)		
491278.96	3611050.94	221.39048	(12091922)	491317.19
3611050.94	213.64919	(12081902)		
491355.42	3611050.94	206.57130	(12081902)	491393.65
3611050.94	204.55942	(12090323)		
491431.88	3611050.94	204.10485	(12090323)	491470.11
3611050.94	186.50858	(12062723)		
491508.34	3611050.94	182.65976	(12092403)	491546.57
3611050.94	186.59855	(12092403)		
491584.80	3611050.94	180.70956	(12052301)	491623.03
3611050.94	176.83382	(12052301)		
490858.43	3611105.42	280.69579	(12062424)	490896.66

3611105.42 243.75355 (12062424)
 490934.89 3611105.42 238.19339 (12060824) 490973.12
 3611105.42 219.44246 (12060824)
 491011.35 3611105.42 222.81189 (12090522) 491049.58
 3611105.42 273.26163 (12090522)
 491087.81 3611105.42 271.77010 (10040821) 491126.04
 3611105.42 258.54237 (10040821)
 491164.27 3611105.42 254.08931 (11041622) 491202.50
 3611105.42 241.56312 (11041622)
 491240.73 3611105.42 235.27449 (12090624) 491278.96
 3611105.42 218.42363 (12090624)
 491317.19 3611105.42 204.01790 (12090222) 491355.42
 3611105.42 195.87614 (11031623)

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
491393.65	3611105.42	187.80324 (12081902)	491431.88
3611105.42	170.87709 (10061223)		
491470.11	3611105.42	175.91992 (12090323)	491508.34
3611105.42	161.13902 (12090323)		
491546.57	3611105.42	164.35751 (12062723)	491584.80
3611105.42	166.56723 (12092403)		
491623.03	3611105.42	166.18493 (12092403)	490858.43
3611159.90	270.85742 (12060622)		

490896.66	3611159.90	243.35783	(12062424)	490934.89
3611159.90	219.82342	(12060824)		
490973.12	3611159.90	226.59293	(12060824)	491011.35
3611159.90	225.86239	(12060824)		
491049.58	3611159.90	251.54284	(12090522)	491087.81
3611159.90	248.90236	(12090522)		
491126.04	3611159.90	248.93803	(10040821)	491164.27
3611159.90	245.38217	(10040821)		
491202.50	3611159.90	224.03550	(11010619)	491240.73
3611159.90	210.56768	(10032304)		
491278.96	3611159.90	207.80509	(10032304)	491317.19
3611159.90	196.97756	(12090624)		
491355.42	3611159.90	184.39138	(10061723)	491393.65
3611159.90	175.08067	(11082603)		
491431.88	3611159.90	163.67622	(11031623)	491470.11
3611159.90	151.05104	(12081902)		
491508.34	3611159.90	136.19321	(10061223)	491546.57
3611159.90	149.46399	(12090323)		
491584.80	3611159.90	150.48851	(12090323)	491623.03
3611159.90	142.82720	(12062723)		
490858.43	3611214.38	250.45685	(12060624)	490896.66
3611214.38	229.28494	(12060622)		
490934.89	3611214.38	218.44772	(12062424)	490973.12
3611214.38	213.08944	(12060824)		
491011.35	3611214.38	243.01506	(12060824)	491049.58
3611214.38	223.89338	(12060824)		
491087.81	3611214.38	236.30918	(12090522)	491126.04
3611214.38	243.30557	(12090522)		
491164.27	3611214.38	228.28549	(10040821)	491202.50
3611214.38	209.95103	(10092320)		
491240.73	3611214.38	200.13859	(11010619)	491278.96
3611214.38	181.45148	(10032304)		
491317.19	3611214.38	181.00367	(10032304)	491355.42
3611214.38	164.07966	(12090624)		
491393.65	3611214.38	163.79271	(10061723)	491431.88
3611214.38	159.23764	(11082603)		
491470.11	3611214.38	139.07289	(11031623)	491508.34
3611214.38	136.33636	(12081902)		
491546.57	3611214.38	128.30415	(12081902)	491584.80
3611214.38	117.42872	(12090323)		
491623.03	3611214.38	118.60341	(12090323)	490858.43
3611268.86	235.82592	(12063003)		
490896.66	3611268.86	212.80280	(12060622)	490934.89
3611268.86	201.22078	(12062424)		
490973.12	3611268.86	209.41113	(12062424)	491011.35
3611268.86	216.85895	(12060824)		
491049.58	3611268.86	220.70569	(12060824)	491087.81
3611268.86	207.07647	(12060824)		
491126.04	3611268.86	223.77234	(12090522)	491164.27
3611268.86	214.94425	(12090522)		

491202.50	3611268.86	200.17685	(10092320)	491240.73
3611268.86	185.72024	(11010619)		
491278.96	3611268.86	163.51002	(11010619)	491317.19
3611268.86	162.96732	(10032304)		
491355.42	3611268.86	160.69234	(10032304)	491393.65
3611268.86	157.23601	(12090624)		
491431.88	3611268.86	148.19951	(12060823)	491470.11
3611268.86	140.59633	(11082603)		
491508.34	3611268.86	131.78879	(11082603)	491546.57
3611268.86	123.92997	(11031623)		
491584.80	3611268.86	111.19173	(12092324)	491623.03
3611268.86	104.56104	(12092324)		
490858.43	3611323.34	232.39793	(12060624)	490896.66
3611323.34	212.70344	(12063003)		
490934.89	3611323.34	197.87022	(12060622)	490973.12
3611323.34	208.55964	(12062424)		
491011.35	3611323.34	202.28931	(12062424)	491049.58
3611323.34	204.61470	(12060824)		
491087.81	3611323.34	206.12965	(12060824)	491126.04
3611323.34	191.68159	(12090522)		
491164.27	3611323.34	201.88751	(12090522)	491202.50
3611323.34	191.09435	(12090522)		

^ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 , L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 , L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

491240.73	3611323.34	173.05800	(10092320)	491278.96
3611323.34	161.63302	(11010619)		
491317.19	3611323.34	157.93113	(11010619)	491355.42
3611323.34	144.88714	(12052822)		
491393.65	3611323.34	145.24477	(10032304)	491431.88
3611323.34	134.85983	(12090624)		
491470.11	3611323.34	131.01774	(12060823)	491508.34
3611323.34	125.08209	(10061723)		
491546.57	3611323.34	116.49938	(11082603)	491584.80
3611323.34	102.35018	(11082603)		
491623.03	3611323.34	92.01668	(12092324)	491583.40
3608705.27	468.41249	(11032221)		
491577.37	3608727.37	473.76199	(11032221)	491573.36
3608753.50	477.42130	(11032221)		
491562.30	3608782.64	487.37440	(11032221)	491565.32
3608775.60	484.23619	(11032221)		
491547.23	3608819.81	495.64610	(11032221)	491545.22
3608840.91	495.56242	(11032221)		
491533.16	3608877.09	505.27541	(11032221)	491524.12
3608898.19	511.11656	(11032221)		
491522.11	3608915.27	507.39727	(11032221)	491520.10
3608925.32	505.87316	(11032221)		
491511.06	3608945.41	512.15498	(11032221)	491507.04
3608961.49	510.69791	(11032221)		
491499.00	3608982.59	514.17599	(11032221)	491498.00
3608992.64	509.45797	(11032221)		
491490.96	3609007.71	515.01787	(11032221)	491484.93
3609030.82	510.50037	(11032221)		
491478.91	3609048.91	509.13154	(11032221)	491470.87
3609072.02	511.09173	(11032221)		
491461.82	3609094.12	517.67997	(11032221)	491450.77
3609114.22	529.84889	(11032221)		
491449.77	3609129.29	517.72356	(11032221)	491443.74
3609145.37	520.08479	(11032221)		
491439.72	3609164.46	511.32922	(11032221)	491434.69
3609178.52	509.75681	(11032221)		
491424.65	3609198.62	518.65614	(11032221)	491418.62
3609216.71	519.67719	(11032221)		
491414.60	3609231.78	514.60244	(11032221)	491409.57
3609244.84	515.63262	(11032221)		
491398.52	3609273.98	515.66766	(11032221)	491397.52
3609289.05	496.30238	(11032221)		
491388.47	3609312.16	497.66853	(11032221)	491383.45
3609329.24	489.53751	(10052522)		
491377.42	3609354.36	498.78252	(10052522)	491374.41
3609371.44	506.44362	(10052522)		
491361.34	3609405.61	517.77191	(10052522)	491355.32
3609423.69	522.67908	(10052522)		
491340.24	3609470.92	530.31597	(10052522)	491324.17

3609526.18	529.45192	(10052522)			
	491329.19	3609504.08	536.06538	(10052522)	491314.12
3609546.28	539.90303	(10052522)			
	491302.06	3609575.42	556.36149	(12032120)	491296.03
3609594.51	575.89831	(12032120)			
	491286.99	3609618.62	596.01438	(12032120)	491279.96
3609632.69	601.11139	(12032120)			
	491274.93	3609648.77	617.11571	(12032120)	491269.91
3609666.85	640.81581	(12032120)			
	491264.88	3609679.92	653.17143	(12032120)	491259.86
3609700.01	677.77621	(12032120)			
	491269.76	3609874.49	635.79226	(11050423)	491098.46
3610169.21	843.57953	(11050423)			
	491115.74	3610172.91	789.99479	(10091223)	491105.25
3610150.69	792.86127	(11050423)			
	491109.57	3610134.65	776.47387	(11050321)	491108.33
3610125.39	801.06125	(11050321)			
	491113.27	3610114.29	813.09346	(11050321)	491118.82
3610099.48	811.16652	(11050321)			
	491122.52	3610087.75	800.88085	(11050321)	491127.46
3610070.47	784.01072	(11040421)			
	491131.78	3610051.96	761.14602	(11040421)	491136.72
3610040.85	759.48392	(11040421)			
	491138.57	3610034.07	794.24851	(11040421)	491139.80
3610021.73	850.80207	(11040421)			
	491157.08	3610005.06	782.52834	(11040421)	491166.95
3609998.89	728.80391	(11040421)			
	491178.68	3609984.70	733.57553	(11050321)	491174.98
3609963.10	797.91491	(11040421)			
	491184.23	3609965.57	724.16820	(11040421)	491176.21
3609942.12	827.55320	(11040421)			

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK2N ***
 INCLUDING SOURCE(S): L0000810 , L0000811
 , L0000812 , L0000813 , L0000814 ,
 L0000815 , L0000816 , L0000817 , L0000818 , L0000819
 , L0000820 , L0000821 , L0000822 ,
 L0000823 , L0000824 , L0000825 , L0000826 , L0000827
 , L0000828 , L0000829 , L0000830 ,
 L0000831 , L0000832 , L0000833 , L0000834 , L0000835
 , L0000836 , L0000837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	790.53730	(11040421)	491179.91
3609920.53	821.57447	(11040421)		
491191.64	3609922.99	794.69649	(11040421)	491189.17
3609903.25	782.82513	(11040421)		
491198.42	3609906.95	784.65851	(11040421)	491194.72
3609882.27	765.65331	(11040421)		
491205.83	3609887.20	785.18297	(11040421)	491200.89
3609866.84	772.64344	(11040421)		
491205.83	3609849.56	751.67222	(12032120)	491212.62
3609864.99	777.78688	(11040421)		
491303.94	3609929.78	566.03161	(10080822)	491267.54
3609903.25	625.77472	(11050423)		
491277.41	3609879.18	623.78401	(11050423)	491324.31
3609896.46	552.48800	(10080822)		
491135.48	3610120.46	762.72585	(11050423)	491124.99
3610139.59	766.57401	(11050423)		
491130.55	3610141.44	755.75866	(10091223)	491142.89
3610145.14	729.74930	(10091223)		
491165.10	3610151.31	667.99958	(10080822)	491172.51
3610156.25	679.46764	(11091122)		
491183.00	3610155.01	685.55583	(11091122)	491190.40
3610158.72	675.37906	(11091122)		
491197.81	3610138.97	678.49097	(11091122)	491162.02
3610130.33	709.61429	(10080822)		
491150.91	3610113.67	742.19993	(10091223)	491164.49
3610115.52	707.28790	(10080822)		
491178.06	3610123.54	676.17811	(10080822)	491189.17
3610125.39	663.00673	(11091122)		
491197.81	3610126.63	675.85724	(11091122)	491158.93
3610084.05	736.44491	(11050423)		
491175.59	3610088.37	709.40791	(10091223)	491188.55
3610090.84	688.77284	(10080822)		
491202.13	3610096.39	636.00805	(11091122)	491252.11
3610069.86	635.02265	(11091122)		
491240.39	3610095.77	647.33085	(11102120)	491232.36
3610128.48	655.14292	(11102120)		
491220.02	3610152.55	653.63265	(11102120)	491213.85
3610179.70	645.47924	(11112103)		
491204.60	3610206.85	635.80182	(11112103)	491297.77
3610095.16	546.50330	(10030321)		

491316.29	3610102.56	529.61657	(11050401)	491271.24
3610169.21	551.53055	(11050401)		
491296.54	3610170.44	535.77133	(12041421)	491224.34
3609806.98	737.01130	(12032120)		
491232.36	3609786.00	734.05085	(12032120)	491240.39
3609769.96	723.45634	(12032120)		
491245.94	3609753.92	714.63796	(12032120)	491250.26
3609731.08	700.96998	(12032120)		
491255.20	3609716.89	693.29631	(12032120)	491354.41
3609557.94	593.17378	(12032120)		
491349.69	3609575.67	602.21618	(11040421)	491331.95
3609630.05	633.94561	(11040421)		
491310.67	3609696.25	640.46914	(11040421)	491301.22
3609737.63	606.38663	(11040421)		
491289.40	3609771.91	587.68565	(11040421)	491276.39
3609801.46	607.62214	(11050321)		
491310.67	3609805.01	597.56317	(11050423)	492077.18
3610785.74	99.52337	(10101323)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490903.38	490928.68	490953.98
490979.28	491004.58		

3610794.6 |	301.07705 (11042922)	266.20378 (11042922)	225.45407 (12081306)
-----------	----------------------	----------------------	----------------------

236.90182 (12092102)	249.61734 (12092102)		
3610785.6 | 302.93724 (11042922)	271.97930 (11042922)	229.01312 (12081306)	
236.20144 (12092102)	251.40559 (12092102)		
3610776.7 | 306.38884 (11042922)	278.85599 (11042922)	233.19832 (12081306)	
235.33569 (12092102)	253.26335 (12092102)		
3610767.7 | 310.66486 (11042922)	286.10857 (11042922)	237.60269 (12081306)	
234.50422 (12092102)	254.94316 (12092102)		
3610758.7 | 314.40591 (11042922)	293.07464 (11042922)	241.86968 (12081306)	
233.49402 (12092102)	256.43357 (12092102)		
3610749.8 | 317.26372 (11042922)	299.20469 (11042922)	245.63345 (12081306)	
232.36365 (12092102)	257.73180 (12092102)		
3610740.8 | 318.21943 (11042922)	304.54034 (11042922)	248.47213 (12081306)	
230.69436 (12092102)	258.41411 (12092102)		
3610731.9 | 318.85628 (11042922)	309.60942 (11042922)	251.79519 (11042922)	
228.88384 (12092102)	259.11842 (12092102)		
3610722.9 | 319.17513 (11042922)	313.90532 (11042922)	258.94235 (11042922)	
226.93726 (12092102)	259.62801 (12092102)		
3610713.9 | 319.71489 (11042922)	318.39466 (11042922)	266.53415 (11042922)	
226.55705 (12081306)	260.15903 (12092102)		
3610705.0 | 319.94204 (11042922)	322.09813 (11042922)	273.51306 (11042922)	
231.09635 (12081306)	260.48969 (12092102)		
3610696.0 | 319.85721 (11042922)	325.94522 (11042922)	280.89083 (11042922)	
235.94573 (12081306)	260.61490 (12092102)		
3610687.1 | 318.95869 (11042922)	329.00425 (11042922)	288.11208 (11042922)	
240.68107 (12081306)	260.53853 (12092102)		
3610678.1 | 318.27741 (11042922)	331.72242 (11042922)	295.14611 (11042922)	
244.88490 (12081306)	260.25415 (12092102)		
3610669.1 | 316.81308 (11042922)	334.09109 (11042922)	301.96876 (11042922)	
249.35869 (12081306)	259.75694 (12092102)		
3610660.2 | 315.07789 (11042922)	336.55565 (11042922)	308.54517 (11042922)	
253.27439 (12081306)	259.04985 (12092102)		
3610651.2 | 317.64034 (11010919)	338.21170 (11042922)	314.47720 (11042922)	
257.82702 (12081306)	257.99214 (12092102)		
3610642.3 | 319.89437 (11010919)	339.03882 (11042922)	320.51929 (11042922)	
261.78035 (12081306)	256.89962 (12092102)		
3610633.3 | 322.64930 (11010919)	339.95705 (11042922)	326.23836 (11042922)	
265.52819 (12081306)	255.60409 (12092102)		
3610624.3 | 327.02227 (11010919)	340.98453 (11042922)	331.62825 (11042922)	
269.04653 (12081306)	254.11116 (12092102)		
3610615.4 331.35805 (11010919)	342.35206 (11042922)	336.82244 (11042922)	
274.76279 (11042922)	252.32474 (12092102)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491029.88	491055.18	491080.48
491105.78	491131.08		

3610794.6 |	219.16453 (12092102)	224.45145 (12060902)	277.49818 (12090604)
299.08318	(12090604)	274.41404 (12062502)	
3610785.6 |	223.57554 (12092102)	224.73554 (12060902)	276.71853 (12090604)
300.78896	(12090604)	275.28501 (12062502)	
3610776.7 |	227.67937 (12092102)	225.19987 (12060902)	275.82741 (12090604)
302.39488	(12090604)	276.08371 (12062502)	
3610767.7 |	231.70632 (12092102)	225.29859 (12060902)	274.82489 (12090604)
304.30919	(12090604)	278.26250 (12090604)	
3610758.7 |	235.89120 (12092102)	225.30206 (12060902)	273.71126 (12090604)
305.71093	(12090604)	281.89546 (12090604)	
3610749.8 |	239.74053 (12092102)	225.48394 (12060902)	272.48700 (12090604)
307.00242	(12090604)	285.49337 (12090604)	
3610740.8 |	243.48489 (12092102)	225.29642 (12060902)	271.15278 (12090604)
308.18035	(12090604)	289.05192 (12090604)	
3610731.9 |	247.35827 (12092102)	225.01165 (12060902)	269.70947 (12090604)
309.24147	(12090604)	292.97767 (12090604)	
3610722.9 |	250.86803 (12092102)	224.62931 (12060902)	268.15818 (12090604)
310.61595	(12090604)	296.45231 (12090604)	
3610713.9 |	254.48361 (12092102)	224.14929 (12060902)	266.92261 (12090604)
311.44041	(12090604)	299.87412 (12090604)	
3610705.0 |	257.72034 (12092102)	223.57165 (12060902)	265.16383 (12090604)
312.13895	(12090604)	303.65644 (12090604)	
3610696.0 |	261.03788 (12092102)	223.17997 (12060902)	263.30158 (12090604)
313.14417	(12090604)	306.96654 (12090604)	
3610687.1 |	264.18694 (12092102)	222.40982 (12060902)	261.33783 (12090604)
313.58884	(12090604)	310.20940 (12090604)	
3610678.1 |	266.94583 (12092102)	223.41682 (12092102)	259.70521 (12090604)
313.89963	(12090604)	313.80473 (12090604)	

3610669.1 |	269.73995 (12092102)	228.70994 (12092102)	257.98391 (12090604)
314.51198 (12090604)	316.90638 (12090604)		
3610660.2 |	272.13525 (12092102)	233.95690 (12092102)	256.15672 (12090604)
314.55444 (12090604)	320.34746 (12090604)		
3610651.2 |	274.52695 (12092102)	239.14282 (12092102)	253.82510 (12090604)
314.89462 (12090604)	323.28730 (12090604)		
3610642.3 |	276.69701 (12092102)	244.43380 (12092102)	251.82087 (12090604)
314.66114 (12090604)	326.13428 (12090604)		
3610633.3 |	278.49023 (12092102)	249.43090 (12092102)	251.56188 (12060902)
314.28403 (12090604)	329.30938 (12090604)		
3610624.3 |	280.22348 (12092102)	254.32848 (12092102)	252.33100 (12060902)
314.19853 (12090604)	331.96287 (12090604)		
3610615.4	281.58044 (12092102)	258.98042 (12092102)	253.00540 (12060902)
313.96364 (12090604)	334.92985 (12090604)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
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 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491156.38	491181.68	491206.98
491232.28	491257.58		

3610794.6 |	262.57447 (12062502)	216.67258 (12060603)	232.45457 (12062622)
269.94223 (12062622)	265.49680 (12062622)		
3610785.6 |	265.57981 (12062502)	218.23824 (12060603)	232.29783 (12062622)
270.85116 (12062622)	267.40229 (12062622)		
3610776.7 |	268.18717 (12062502)	219.78754 (12060603)	232.68995 (12062622)

272.27452 (12062622)	269.33692 (12062622)		
3610767.7 | 270.76509 (12062502)	221.65177 (12060603)	232.49043 (12062622)	
273.16012 (12062622)	271.13872 (12062622)		
3610758.7 | 273.31109 (12062502)	223.17024 (12060603)	232.82803 (12062622)	
274.02920 (12062622)	273.22889 (12062622)		
3610749.8 | 276.21184 (12062502)	225.82923 (12062502)	232.58456 (12062622)	
274.88124 (12062622)	275.04339 (12062622)		
3610740.8 | 278.69371 (12062502)	229.26342 (12062502)	232.31578 (12062622)	
276.32068 (12062622)	277.29058 (12062622)		
3610731.9 | 281.52122 (12062502)	233.05882 (12062502)	232.02144 (12062622)	
277.75297 (12062622)	279.11804 (12062622)		
3610722.9 | 283.92840 (12062502)	236.87506 (12062502)	231.70125 (12062622)	
278.56741 (12062622)	281.44112 (12062622)		
3610713.9 | 286.67169 (12062502)	240.38175 (12062502)	231.93472 (12062622)	
279.96288 (12062622)	283.28101 (12062622)		
3610705.0 | 288.99319 (12062502)	244.23999 (12062502)	232.15131 (12062622)	
281.33139 (12062622)	285.12243 (12062622)		
3610696.0 | 291.26419 (12062502)	248.11334 (12062502)	231.76424 (12062622)	
282.67666 (12062622)	286.96500 (12062622)		
3610687.1 | 293.87081 (12062502)	252.00029 (12062502)	231.92487 (12062622)	
284.00185 (12062622)	288.80833 (12062622)		
3610678.1 | 296.03933 (12062502)	255.58369 (12062502)	232.04924 (12062622)	
284.17443 (12062622)	290.65201 (12062622)		
3610669.1 | 298.53790 (12062502)	259.49700 (12062502)	232.13461 (12062622)	
284.29285 (12062622)	291.94844 (12062622)		
3610660.2 | 300.59241 (12062502)	263.10395 (12062502)	232.18161 (12062622)	
283.70119 (12062622)	293.78208 (12062622)		
3610651.2 | 302.58176 (12062502)	266.71590 (12062502)	231.68232 (12062622)	
285.00618 (12062622)	296.18093 (12062622)		
3610642.3 | 304.09124 (12062502)	269.98727 (12062502)	230.61911 (12062622)	
285.63631 (12062622)	298.59429 (12062622)		
3610633.3 | 305.50037 (12062502)	273.22638 (12062502)	230.58440 (12060603)	
286.89425 (12062622)	301.00054 (12062622)		
3610624.3 | 306.80755 (12062502)	276.82295 (12062502)	232.90887 (12060603)	
288.12464 (12062622)	303.39975 (12062622)		
3610615.4 308.94336 (12062502)	280.41441 (12062502)	234.90702 (12060603)	
289.33121 (12062622)	305.79118 (12062622)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507

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 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491282.88	491308.18	491333.48
	491358.78	491384.08	

3610794.6 |	218.31976 (12062622)	220.98453 (12090324)	209.32134 (12090324)
229.55404 (11031622)	244.63216 (11031622)		
3610785.6 |	220.47382 (12062622)	222.02455 (12090324)	210.46242 (12090324)
230.55436 (11031622)	247.08759 (11031622)		
3610776.7 |	222.48277 (12062622)	223.07080 (12090324)	211.61269 (12090324)
233.06679 (11031622)	249.40312 (11031622)		
3610767.7 |	224.66843 (12062622)	224.16391 (12090324)	212.77224 (12090324)
235.38406 (11031622)	251.02726 (11031622)		
3610758.7 |	226.71622 (12062622)	225.26069 (12090324)	213.94115 (12090324)
238.13728 (11031622)	253.10923 (11031622)		
3610749.8 |	228.78196 (12062622)	226.33304 (12090324)	215.11954 (12090324)
240.22970 (11031622)	254.62462 (11031622)		
3610740.8 |	230.98750 (12062622)	227.41188 (12090324)	216.35798 (12090324)
241.33005 (11031622)	256.12763 (11031622)		
3610731.9 |	233.09232 (12062622)	228.49725 (12090324)	217.59508 (12090324)
242.43773 (11031622)	257.18539 (11031622)		
3610722.9 |	235.21538 (12062622)	229.58918 (12090324)	218.82973 (12090324)
243.55279 (11031622)	258.68779 (11031622)		
3610713.9 |	237.49053 (12062622)	230.68769 (12090324)	220.05478 (12090324)
245.16790 (11031622)	260.16774 (11031622)		
3610705.0 |	239.86802 (12062622)	231.79282 (12090324)	221.28994 (12090324)
246.77968 (11031622)	261.63673 (11031622)		
3610696.0 |	242.35770 (12062622)	232.90459 (12090324)	222.53533 (12090324)
248.82105 (11031622)	262.73438 (11031622)		
3610687.1 |	244.90771 (12062622)	234.02303 (12090324)	223.79106 (12090324)
250.42271 (11031622)	264.52288 (11031622)		
3610678.1 |	246.48264 (12062622)	235.22776 (12090324)	225.08958 (12090324)
252.18572 (11031622)	266.83478 (11031622)		
3610669.1 |	248.49125 (12062622)	236.39620 (12090324)	226.35952 (12090324)
254.10066 (11031622)	270.05301 (11031622)		
3610660.2 |	250.59188 (12062622)	237.54318 (12090324)	227.66179 (12090324)
255.31553 (11031622)	273.04249 (11031622)		

3610651.2	|	253.02192 (12062622)	238.76499 (12090324)	229.30205 (12090324)
258.07952	(11031622)	274.63184 (11031622)		
3610642.3	|	255.56483 (12062622)	240.49544 (12090324)	230.88877 (12090324)
260.80502	(11031622)	275.82550 (11031622)		
3610633.3	|	258.23077 (12062622)	242.08297 (12090324)	232.75384 (12090324)
262.78681	(11031622)	277.41606 (11031622)		
3610624.3	|	261.34578 (12062622)	243.69271 (12090324)	234.35647 (12090324)
265.44104	(11031622)	278.99901 (11031622)		
3610615.4		264.09371 (12062622)	244.90133 (12090324)	235.72779 (12090324)
268.04278	(11031622)	280.57157 (11031622)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
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 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491409.38	

3610794.6	|	228.51093 (11031622)
3610785.6	|	230.34005 (11031622)
3610776.7	|	232.04583 (11031622)
3610767.7	|	233.65662 (11031622)
3610758.7	|	234.76007 (11031622)
3610749.8	|	236.19866 (11031622)
3610740.8	|	237.54039 (11031622)
3610731.9		238.79075 (11031622)
3610722.9		239.94386 (11031622)
3610713.9		240.84438 (11031622)

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3610705.0 | 241.59816 (11031622)
3610696.0 | 242.35367 (11031622)
3610687.1 | 243.26484 (11031622)
3610678.1 | 244.48171 (11031622)
3610669.1 | 246.02844 (11031622)
3610660.2 | 247.22856 (11031622)
3610651.2 | 248.18567 (11031622)
3610642.3 | 249.28010 (11031622)
3610633.3 | 250.18838 (11031622)
3610624.3 | 251.08159 (11031622)
3610615.4 | 251.95863 (11031622)

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^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***
INCLUDING SOURCE(S): L0000498 , L0000499
, L0000500 , L0000501 , L0000502 ,
L0000503 , L0000504 , L0000505 , L0000506 , L0000507
, L0000508 , L0000509 , L0000510 ,
L0000511 , L0000512 , L0000513 , L0000514 , L0000515
, L0000516 , L0000517 , L0000518 ,
L0000519 , L0000520 , L0000521 , L0000522 , L0000523
, L0000524 , L0000525 , . . . ,

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*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

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Y-COORD | X-COORD (METERS)
(METERS) | 490964.36 490985.16 491005.96
491026.76 491047.56

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3610598.0 | 329.36024 (11042922) 273.11463 (12081306) 251.18712 (12092102)
281.66452 (12092102) 278.52554 (12092102)
3610584.7 | 336.90588 (11042922) 283.11483 (11042922) 249.49591 (12081306)
282.04736 (12092102) 283.46685 (12092102)
3610571.5 | 343.96729 (11042922) 295.45473 (11042922) 257.35932 (12081306)
281.99307 (12092102) 287.95788 (12092102)
3610558.3 | 351.05623 (11042922) 307.45748 (11042922) 264.64692 (12081306)
281.29547 (12092102) 291.96944 (12092102)

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3610545.1	357.25687 (11042922)	319.04050 (11042922)	271.58755 (12081306)
280.01336 (12092102)	295.54269 (12092102)		
3610531.9 |	362.80309 (11042922)	330.07780 (11042922)	278.37797 (12081306)
278.28680 (12092102)	298.46482 (12092102)		
3610518.7 |	367.33687 (11042922)	340.26176 (11042922)	284.70181 (12081306)
276.05588 (12092102)	300.80105 (12092102)		
3610505.5 |	370.57109 (11042922)	349.98713 (11042922)	290.47900 (12081306)
273.18695 (12092102)	302.51045 (12092102)		
3610492.3 |	372.52427 (11042922)	358.50392 (11042922)	300.83016 (11042922)
270.02117 (12092102)	303.70621 (12092102)		
3610479.1 |	373.30224 (11042922)	366.10330 (11042922)	314.18685 (11042922)
271.42879 (12081306)	304.25976 (12092102)		
3610465.9 |	373.80121 (11042922)	373.76222 (11042922)	327.38251 (11042922)
279.68283 (12081306)	304.17355 (12092102)		
3610452.6 |	373.33430 (11042922)	379.97165 (11042922)	339.64608 (11042922)
287.65654 (12081306)	303.24832 (12092102)		
3610439.4 |	371.55058 (11042922)	384.60087 (11042922)	351.06713 (11042922)
295.08967 (12081306)	301.67428 (12092102)		
3610426.2 |	368.89330 (11042922)	388.75827 (11042922)	362.43032 (11042922)
302.07969 (12081306)	299.63491 (12092102)		
3610413.0 |	373.02099 (11010919)	391.61727 (11042922)	372.54022 (11042922)
308.44962 (12081306)	297.20068 (12092102)		
3610399.8 |	374.68106 (11010919)	393.15826 (11042922)	381.69970 (11042922)
319.43972 (11042922)	294.19937 (12092102)		
3610386.6 |	374.45420 (11010919)	393.30083 (11042922)	389.78997 (11042922)
333.90682 (11042922)	290.65538 (12092102)		
3610373.4 |	373.20724 (11010919)	392.10782 (11042922)	397.33810 (11042922)
348.06612 (11042922)	295.27289 (12081306)		
3610360.2 |	372.33598 (11010919)	389.23579 (11042922)	403.50090 (11042922)
361.63083 (11042922)	304.25213 (12081306)		
3610347.0 |	371.32422 (11010919)	385.54650 (11042922)	407.97509 (11042922)
374.41335 (11042922)	312.71220 (12081306)		
3610333.8	369.44719 (11010919)	386.94613 (11010919)	411.57967 (11042922)
386.30024 (11042922)	320.63787 (12081306)		

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*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***
INCLUDING SOURCE(S): L0000498 , L0000499
, L0000500 , L0000501 , L0000502 ,
L0000503 , L0000504 , L0000505 , L0000506 , L0000507
, L0000508 , L0000509 , L0000510 ,
L0000511 , L0000512 , L0000513 , L0000514 , L0000515
, L0000516 , L0000517 , L0000518 ,

L0000519 , L0000520 , L0000521 , L0000522 , L0000523
, L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491130.76	491068.36	491089.16	491109.96
	491151.56		

3610598.0 |	237.65236 (12092102)	267.87982 (12090604)	322.06688 (12090604)
340.84543 (12090604)	310.61661 (12062502)		
3610584.7 |	245.89964 (12092102)	264.18531 (12090604)	321.14983 (12090604)
344.01708 (12090604)	316.49744 (12090604)		
3610571.5 |	253.88360 (12092102)	262.78096 (12060902)	319.89794 (12090604)
347.28128 (12090604)	323.63961 (12090604)		
3610558.3 |	261.83102 (12092102)	263.71574 (12060902)	319.14546 (12090604)
349.86834 (12090604)	330.30603 (12090604)		
3610545.1 |	269.43998 (12092102)	264.73084 (12060902)	318.02576 (12090604)
352.86456 (12090604)	337.16731 (12090604)		
3610531.9 |	276.90533 (12092102)	265.09089 (12060902)	316.18722 (12090604)
355.15749 (12090604)	343.54306 (12090604)		
3610518.7 |	283.95840 (12092102)	264.81712 (12060902)	314.01456 (12090604)
356.76517 (12090604)	349.74706 (12090604)		
3610505.5 |	290.75099 (12092102)	264.58216 (12060902)	311.50846 (12090604)
358.34731 (12090604)	355.75407 (12090604)		
3610492.3 |	297.06115 (12092102)	263.71680 (12060902)	308.35992 (12090604)
359.54656 (12090604)	361.53784 (12090604)		
3610479.1 |	302.92974 (12092102)	262.54947 (12060902)	304.89865 (12090604)
360.34340 (12090604)	366.81713 (12090604)		
3610465.9 |	308.40322 (12092102)	265.37649 (12092102)	301.48266 (12090604)
360.96197 (12090604)	372.09138 (12090604)		
3610452.6 |	313.20186 (12092102)	274.63989 (12092102)	297.76621 (12090604)
361.02761 (12090604)	377.05609 (12090604)		
3610439.4 |	317.29960 (12092102)	283.67631 (12092102)	293.46384 (12090604)
360.44759 (12090604)	381.68578 (12090604)		
3610426.2 |	320.82227 (12092102)	292.45624 (12092102)	292.36164 (12060902)
359.42594 (12090604)	385.94607 (12090604)		
3610413.0 |	323.67194 (12092102)	300.90509 (12092102)	293.07552 (12060902)
357.91103 (12090604)	389.80313 (12090604)		
3610399.8 |	326.02370 (12092102)	308.96113 (12092102)	293.38988 (12060902)
355.96676 (12090604)	393.23728 (12090604)		
3610386.6 |	327.67839 (12092102)	316.54846 (12092102)	293.32092 (12060902)
353.59302 (12090604)	396.06800 (12090604)		
3610373.4 |	328.61633 (12092102)	323.61158 (12092102)	292.83394 (12060902)

350.85760 (12090604)	398.49229 (12090604)		
3610360.2 | 328.62457 (12092102)	330.09477 (12092102)	291.94100 (12060902)	
347.67873 (12090604)	400.43123 (12090604)		
3610347.0 | 327.87615 (12092102)	335.93906 (12092102)	290.65305 (12060902)	
344.03791 (12090604)	401.86572 (12090604)		
3610333.8 | 326.62014 (12092102)	341.33704 (12092102)	297.58428 (12092102)	
340.05552 (12090604)	403.03999 (12090604)		

^ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
491234.76	491255.56		

3610598.0 |	304.04515 (12062502)	257.10742 (12062502)	246.60589 (12062622)
295.44007 (12062622)	311.15278 (12062622)		
3610584.7 |	309.21086 (12062502)	263.73480 (12062502)	247.17552 (12062622)
298.15670 (12062622)	314.29759 (12062622)		
3610571.5 |	314.24745 (12062502)	270.38980 (12062502)	247.64055 (12062622)
300.70632 (12062622)	317.90249 (12062622)		
3610558.3 |	319.14140 (12062502)	277.05814 (12062502)	247.47028 (12062622)
302.61911 (12062622)	321.01344 (12062622)		
3610545.1 |	323.54362 (12062502)	283.73463 (12062502)	247.81665 (12062622)
303.97916 (12062622)	324.53396 (12062622)		
3610531.9 |	328.14557 (12062502)	290.11855 (12062502)	250.52302 (12060603)
305.28054 (12062622)	327.99437 (12062622)		

3610518.7 |	332.25299 (12062502)	296.81172 (12062502)	254.90928 (12060603)
306.05632 (12062622)	331.73728 (12062622)		
3610505.5 |	336.19720 (12062502)	303.48583 (12062502)	259.28855 (12060603)
307.24025 (12062622)	335.59850 (12062622)		
3610492.3 |	339.96406 (12062502)	309.87841 (12062502)	263.37475 (12060603)
308.35699 (12062622)	338.54566 (12062622)		
3610479.1 |	343.24362 (12062502)	316.25298 (12062502)	267.44780 (12060603)
309.39759 (12062622)	341.22407 (12062622)		
3610465.9 |	346.90542 (12062502)	322.59646 (12062502)	271.76001 (12060603)
310.36509 (12062622)	343.87507 (12062622)		
3610452.6 |	350.04204 (12062502)	328.89313 (12062502)	275.77975 (12060603)
311.66550 (12062622)	346.21044 (12062622)		
3610439.4 |	352.92933 (12062502)	335.12068 (12062502)	279.52153 (12060603)
312.46377 (12062622)	348.78746 (12062622)		
3610426.2 |	355.55321 (12062502)	341.25942 (12062502)	283.46391 (12060603)
313.16962 (12062622)	351.32854 (12062622)		
3610413.0 |	357.88939 (12062502)	347.13888 (12062502)	287.12714 (12060603)
313.43096 (12062622)	354.15060 (12062622)		
3610399.8 |	365.65603 (12090604)	353.08160 (12062502)	292.12078 (12062502)
314.27676 (12062622)	356.92575 (12062622)		
3610386.6 |	373.54753 (12090604)	358.93961 (12062502)	299.82506 (12062502)
314.66249 (12062622)	359.87947 (12062622)		
3610373.4 |	381.17442 (12090604)	364.50641 (12062502)	307.47499 (12062502)
314.68828 (12062622)	362.49839 (12062622)		
3610360.2 |	388.41855 (12090604)	369.81324 (12062502)	315.20188 (12062502)
314.62020 (12062622)	365.03602 (12062622)		
3610347.0 |	395.52310 (12090604)	374.77453 (12062502)	322.96684 (12062502)
314.45578 (12062622)	367.48003 (12062622)		
3610333.8	402.04231 (12090604)	379.39587 (12062502)	330.61513 (12062502)
314.65849 (12062622)	369.63498 (12062622)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
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 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)	491276.36	491297.16	X-COORD (METERS) 491317.96
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491338.76	491359.56
-----------	-----------

3610598.0	284.78797 (12062622)	239.92207 (12090324)	249.10356 (12090324)
234.38169 (11031622)	273.37134 (11031622)		
3610584.7 |	289.09209 (12062622)	241.89322 (12090324)	251.11397 (12090324)
236.07603 (11031622)	275.39564 (11031622)		
3610571.5 |	293.39435 (12062622)	243.87610 (12090324)	253.14692 (12090324)
237.78918 (11031622)	277.44153 (11031622)		
3610558.3 |	297.38565 (12062622)	245.87096 (12090324)	255.20272 (12090324)
240.34935 (11031622)	278.91224 (11031622)		
3610545.1 |	301.70386 (12062622)	247.87870 (12090324)	257.98559 (12090324)
242.11404 (11031622)	279.70117 (11031622)		
3610531.9 |	305.75047 (12062622)	250.29491 (12090324)	260.75589 (12090324)
245.54072 (11031622)	283.09554 (11031622)		
3610518.7 |	310.32316 (12062622)	253.04267 (12090324)	263.51836 (12090324)
248.95111 (11031622)	292.61767 (11031622)		
3610505.5 |	314.63084 (12062622)	255.70403 (12090324)	266.50883 (12090324)
252.33806 (11031622)	293.09572 (11031622)		
3610492.3 |	318.75186 (12062622)	259.58638 (12062622)	269.20971 (12090324)
254.26207 (11031622)	297.55428 (11031622)		
3610479.1 |	322.90474 (12062622)	263.81129 (12062622)	271.90295 (12090324)
256.20843 (11031622)	297.62590 (11031622)		
3610465.9 |	327.09164 (12062622)	267.99563 (12062622)	274.41419 (12090324)
259.66399 (11031622)	297.57090 (11031622)		
3610452.6 |	331.13281 (12062622)	272.24702 (12062622)	276.95117 (12090324)
262.40149 (11031622)	299.87104 (11031622)		
3610439.4 |	335.39033 (12062622)	276.56411 (12062622)	279.51012 (12090324)
265.84734 (11031622)	301.63486 (11031622)		
3610426.2 |	339.82498 (12062622)	280.94633 (12062622)	282.09299 (12090324)
268.61982 (11031622)	303.97633 (11031622)		
3610413.0 |	344.10911 (12062622)	285.39145 (12062622)	284.69893 (12090324)
271.41437 (11031622)	305.73832 (11031622)		
3610399.8 |	348.40176 (12062622)	289.89263 (12062622)	287.19415 (12090324)
273.58864 (11031622)	307.48116 (11031622)		
3610386.6 |	352.63019 (12062622)	294.43247 (12062622)	289.72056 (12090324)
275.78946 (11031622)	309.20103 (11031622)		
3610373.4 |	356.96247 (12062622)	299.06368 (12062622)	292.54735 (12090324)
278.01718 (11031622)	311.61399 (11031622)		
3610360.2 |	361.24969 (12062622)	303.74834 (12062622)	295.36991 (12090324)
281.60509 (11031622)	314.05315 (11031622)		
3610347.0 |	365.56072 (12062622)	308.47849 (12062622)	298.02671 (12090324)

283.91186 (11031622) 316.51883 (11031622)
3610333.8 | 369.65527 (12062622) 313.37191 (12062622) 300.64595 (12090324)
284.13463 (11031622) 319.73645 (11031622)

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***
INCLUDING SOURCE(S): L0000498 , L0000499
, L0000500 , L0000501 , L0000502 ,
L0000503 , L0000504 , L0000505 , L0000506 , L0000507
, L0000508 , L0000509 , L0000510 ,
L0000511 , L0000512 , L0000513 , L0000514 , L0000515
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L0000519 , L0000520 , L0000521 , L0000522 , L0000523
, L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
(METERS) | 491380.36

3610598.0 | 285.00456 (11031622)
3610584.7 | 286.91471 (11031622)
3610571.5 | 288.84158 (11031622)
3610558.3 | 290.43855 (11031622)
3610545.1 | 292.02268 (11031622)
3610531.9 | 293.99173 (11031622)
3610518.7 | 298.21721 (11031622)
3610505.5 | 301.43587 (11031622)
3610492.3 | 302.54972 (11031622)
3610479.1 | 303.16157 (11031622)
3610465.9 | 304.09863 (11031622)
3610452.6 | 305.74545 (11031622)
3610439.4 | 307.37568 (11031622)
3610426.2 | 307.93776 (11031622)
3610413.0 | 307.60378 (11031622)
3610399.8 | 312.16155 (11031622)
3610386.6 | 315.89229 (11031622)

3610373.4 | 318.55305 (11031622)
 3610360.2 | 320.75420 (11031622)
 3610347.0 | 322.97492 (11031622)
 3610333.8 | 325.68976 (11031622)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 393

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
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 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491360.32	491376.93	491393.54
491410.15	491426.76		

 3610184.5 | 358.39083 (11031622) 359.12203 (11031622) 333.81791 (11031622)
 296.55481 (11110306) 268.82037 (11110306)
 3610142.8 | 369.57101 (11031622) 368.84858 (11031622) 340.40926 (11031622)
 301.82726 (11110306) 271.57933 (11110306)
 3610101.2 | 379.63549 (11031622) 377.86562 (11031622) 346.71970 (11031622)
 306.58148 (11110306) 274.08028 (11110306)
 3610059.6 | 387.65596 (11031622) 386.42766 (11031622) 353.15429 (11031622)
 312.50848 (11110306) 276.45503 (11110306)
 3610018.0 | 397.64536 (11031622) 395.44248 (11031622) 359.64159 (11031622)
 317.66194 (11110306) 278.61855 (11110306)
 3609976.4 | 407.91510 (11031622) 404.70590 (11031622) 366.24885 (11031622)
 322.91086 (11110306) 280.57052 (11110306)
 3609934.8 | 417.53221 (11031622) 413.77538 (11031622) 372.90663 (11031622)
 327.60880 (11110306) 282.39595 (11110306)
 3609893.2 | 433.85038 (11031622) 426.02784 (11031622) 379.62315 (11031622)

332.85550 (11110306)	283.63742 (11110306)		
3609851.6 | 448.56041 (11031622)	436.70076 (11031622)	386.61085 (11031622)	
337.57120 (11110306)	289.50930 (11063024)		
3609810.0 | 463.40304 (11031622)	448.01051 (11031622)	393.45644 (11031622)	
342.12069 (11110306)	299.53399 (12080824)		
3609768.4 | 478.39690 (11031622)	459.88724 (11031622)	399.01674 (11031622)	
346.09942 (11110306)	310.14565 (12080824)		
3609726.7 | 493.62659 (11031622)	470.96064 (11031622)	404.07521 (11031622)	
349.01919 (11110306)	318.94958 (12080824)		
3609685.1 | 509.45698 (11031622)	482.06358 (11031622)	409.13413 (11031622)	
352.24907 (11110306)	326.73517 (12080824)		
3609643.5 | 526.21538 (11031622)	493.59335 (11031622)	413.33589 (11031622)	
353.77538 (11110306)	332.96103 (12080824)		
3609601.9 | 543.62168 (11031622)	505.77440 (11031622)	419.88770 (11031622)	
355.30790 (11110306)	338.05968 (12060624)		
3609560.3 | 561.78437 (11031622)	518.74744 (11031622)	426.36419 (11110306)	
360.81117 (12080824)	347.87379 (12060624)		
3609518.7 | 581.17620 (11031622)	531.37246 (11031622)	434.24315 (11110306)	
370.11864 (12080824)	360.62707 (11041621)		
3609477.1 | 599.32379 (11031622)	543.38966 (11031622)	444.77471 (12082103)	
457.88109 (10071502)	460.94382 (10071502)		
3609435.5 | 621.24219 (11031622)	572.80169 (12080702)	569.79896 (12080702)	
555.17870 (12080702)	525.02473 (11040422)		
3609393.9 | 743.20316 (10101019)	734.33082 (10101019)	710.50453 (10101019)	
674.26613 (10101019)	627.81326 (10101019)		
3609352.2 | 752.70334 (10122419)	718.84081 (10122419)	684.58737 (10122419)	
663.21800 (10122419)	636.02356 (10122419)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 , L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 , L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 , L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491443.37	491509.81	491459.98	X-COORD (METERS)	491476.59
---------------------	-----------	-----------	-----------	------------------	-----------

3610184.5 |	237.63377 (11063024)	234.65562 (12080824)	234.57311 (12080824)
226.35623 (12080824)	227.80655 (12060624)		
3610142.8 |	244.50240 (11063024)	243.88626 (12080824)	240.60958 (12080824)
228.54786 (12080824)	236.35946 (12060624)		
3610101.2 |	249.13292 (11063024)	250.22817 (12080824)	244.65148 (12080824)
233.45369 (12060624)	241.72899 (12060624)		
3610059.6 |	253.23098 (11063024)	256.23908 (12080824)	248.43874 (12080824)
247.50426 (12060624)	247.90770 (12060624)		
3610018.0 |	260.36795 (12080824)	260.89096 (12080824)	251.13017 (12080824)
254.20353 (12060624)	254.43474 (12060624)		
3609976.4 |	267.43096 (12080824)	265.57005 (12080824)	253.50810 (12080824)
259.87321 (12060624)	258.72885 (12060624)		
3609934.8 |	274.82852 (12080824)	270.80600 (12080824)	262.42208 (12060624)
266.18993 (12060624)	262.07053 (12060624)		
3609893.2 |	282.81523 (12080824)	275.19125 (12080824)	270.79514 (12060624)
271.33444 (12060624)	264.56873 (12060624)		
3609851.6 |	290.21126 (12080824)	278.89149 (12080824)	279.70637 (12060624)
276.49727 (12060624)	265.56937 (12060624)		
3609810.0 |	297.02855 (12080824)	287.29917 (12060624)	287.42899 (12060624)
279.68716 (12060624)	265.11857 (12060624)		
3609768.4 |	302.64703 (12080824)	297.35378 (12060624)	292.55951 (12060624)
281.13215 (12060624)	262.99580 (12060624)		
3609726.7 |	306.89723 (12080824)	305.84194 (12060624)	296.23979 (12060624)
281.28541 (12060624)	259.75718 (12060624)		
3609685.1 |	316.74301 (12060624)	311.28960 (12060624)	297.75611 (12060624)
279.87476 (12060624)	255.57527 (12060624)		
3609643.5 |	326.04886 (12060624)	314.41932 (12060624)	297.85782 (12060624)
277.95750 (12060624)	252.70834 (12102818)		
3609601.9 |	331.66498 (12060624)	315.65543 (12060624)	297.60733 (12060624)
276.56470 (12060624)	253.48410 (12102818)		
3609560.3 |	335.53374 (12060624)	317.42846 (12060624)	298.70430 (12060624)
280.10660 (10061623)	284.53968 (11041621)		
3609518.7 |	361.36343 (11041621)	346.72724 (11041621)	332.53104 (10082424)
327.42642 (10082424)	331.74351 (12082103)		
3609477.1 |	452.91586 (11021319)	438.60385 (11021319)	417.89610 (11021319)
388.20376 (11021319)	373.55189 (11031921)		
3609435.5 |	522.85721 (11040422)	533.92571 (11040422)	521.37541 (11040422)
499.87786 (11040422)	460.82737 (11040422)		
3609393.9 |	590.94775 (10021719)	602.70662 (10021719)	581.70227 (10021719)
557.40989 (10021719)	523.14152 (10021719)		
3609352.2	602.88553 (10122419)	576.83323 (10122419)	551.45152 (10122419)
535.11695 (10111518)	514.79121 (10111518)		

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 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
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 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
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 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491576.25	491526.42	491543.03	491559.64
	491592.86		

3610184.5 |	233.21007 (12060624)	230.45861 (12060624)	219.49031 (12060624)
200.39411 (12060624)	173.58740 (12060624)		
3610142.8 |	238.80578 (12060624)	232.62869 (12060624)	218.94941 (12060624)
196.83688 (12060624)	177.29886 (12090703)		
3610101.2 |	242.05684 (12060624)	234.08016 (12060624)	217.37228 (12060624)
192.14281 (12060624)	182.76515 (12052023)		
3610059.6 |	245.21738 (12060624)	234.53146 (12060624)	214.64004 (12060624)
186.20871 (12060624)	190.62442 (12052023)		
3610018.0 |	248.15565 (12060624)	234.37294 (12060624)	210.94062 (12060624)
192.58892 (12052023)	196.74047 (12052023)		
3609976.4 |	249.78501 (12060624)	233.07647 (12060624)	205.90502 (12060624)
200.62123 (12052023)	203.21722 (12052023)		
3609934.8 |	250.16921 (12060624)	229.24002 (12060624)	204.51806 (12052023)
207.66136 (12052023)	208.33308 (12052023)		
3609893.2 |	248.93779 (12060624)	224.40923 (12060624)	212.34660 (12052023)
213.03906 (12052023)	211.39052 (12052023)		
3609851.6 |	245.86268 (12060624)	218.67395 (12052023)	219.10168 (12052023)
216.53931 (12052023)	211.97203 (12052023)		
3609810.0 |	241.89465 (12060624)	226.31399 (12052023)	222.86796 (12052023)

217.73114 (12052023)	211.53934 (12052023)		
3609768.4 | 236.41337 (12060624)	230.73846 (12052023)	224.26642 (12052023)	
218.03569 (12052023)	211.64207 (11033121)		
3609726.7 | 239.29739 (12052023)	232.35764 (12102818)	224.91971 (12102818)	
217.93039 (11033121)	212.20796 (11033121)		
3609685.1 | 241.92849 (12102818)	233.35703 (12102818)	225.27069 (11033121)	
218.49067 (11033121)	212.97320 (11033121)		
3609643.5 | 242.77812 (12102818)	233.87208 (12102818)	226.30668 (12052023)	
218.99855 (11033121)	213.02445 (11033121)		
3609601.9 | 243.34068 (12102818)	234.27421 (12102818)	227.13495 (10061623)	
227.34003 (10061623)	225.57519 (10061623)		
3609560.3 | 287.31743 (11041621)	286.25199 (11041621)	273.87948 (11041621)	
257.70325 (11041621)	253.87484 (10082424)		
3609518.7 | 332.40332 (12082103)	333.38402 (10071502)	322.59130 (10071502)	
310.81001 (10071502)	308.14658 (11021319)		
3609477.1 | 370.82727 (11031921)	358.72241 (11031921)	356.27820 (12080702)	
350.74747 (12080702)	345.34226 (12080702)		
3609435.5 | 435.40033 (11040422)	412.73793 (11082824)	410.27396 (11082824)	
403.79141 (11082824)	384.89776 (11082824)		
3609393.9 | 502.92584 (10021719)	488.74244 (10021719)	473.49406 (10021719)	
445.35957 (10021719)	410.85833 (10021719)		
3609352.2 | 476.94424 (10111518)	442.60241 (10111518)	436.47980 (10111518)	
430.42195 (10111518)	404.77798 (10111518)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 396

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
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 , L0000503 , L0000504 , L0000505 , L0000506 , L0000507
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 , L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491609.47	491626.08
		491642.69

491659.30

491675.91

3610184.5 |	174.25884 (12052023)	179.73241 (12052023)	181.84050 (12052023)
182.29765 (12052023)	177.86525 (12052023)		
3610142.8 |	181.36038 (12052023)	184.27796 (12052023)	185.96306 (12052023)
184.34839 (12052023)	176.94405 (12052023)		
3610101.2 |	187.41251 (12052023)	190.33803 (12052023)	189.89084 (12052023)
185.33231 (12052023)	177.22199 (11033121)		
3610059.6 |	194.02661 (12052023)	194.98152 (12052023)	192.09765 (12052023)
184.38805 (12052023)	181.50134 (11033121)		
3610018.0 |	199.29517 (12052023)	198.53400 (12052023)	193.46849 (12052023)
185.11903 (11033121)	187.35964 (11033121)		
3609976.4 |	203.49773 (12052023)	200.33792 (12052023)	191.72337 (12052023)
192.18585 (11033121)	190.29129 (11033121)		
3609934.8 |	206.03591 (12052023)	199.72842 (12052023)	195.90069 (11033121)
194.53167 (11033121)	190.15429 (11033121)		
3609893.2 |	206.54422 (12052023)	199.70957 (11033121)	198.06123 (11033121)
194.62698 (11033121)	188.18379 (11033121)		
3609851.6 |	205.49534 (12052023)	202.33892 (11033121)	199.16272 (11033121)
194.13953 (11033121)	185.31657 (11033121)		
3609810.0 |	206.52897 (11033121)	203.53507 (11033121)	199.31898 (11033121)
192.48383 (11033121)	180.75829 (11033121)		
3609768.4 |	207.50743 (11033121)	203.19062 (11033121)	199.07004 (11033121)
189.90624 (11033121)	174.18885 (11033121)		
3609726.7 |	207.51355 (11033121)	202.98871 (11033121)	196.46630 (11033121)
184.82026 (11033121)	168.67430 (12120918)		
3609685.1 |	208.44129 (11033121)	202.79360 (11033121)	194.02795 (11033121)
178.57875 (11033121)	164.54862 (12120918)		
3609643.5 |	208.38617 (11033121)	201.86835 (11033121)	189.72546 (11033121)
174.99381 (10061623)	173.20206 (10061623)		
3609601.9 |	215.83547 (11041621)	216.33755 (11041621)	215.45824 (11041621)
209.76456 (11041621)	196.29204 (11041621)		
3609560.3 |	254.79484 (10082424)	251.09874 (12082103)	250.49297 (12082103)
244.24721 (12082103)	236.36427 (10071502)		
3609518.7 |	298.24971 (11021319)	279.27757 (10071624)	256.35340 (10071624)
259.22483 (11031921)	268.24995 (11031921)		
3609477.1 |	328.47076 (12080702)	311.86278 (11020820)	311.22625 (11040422)
310.02842 (11040422)	309.24561 (11040422)		
3609435.5 |	384.69092 (11082824)	377.31397 (11082824)	356.32189 (10101019)
343.02223 (10101019)	322.64171 (10101019)		
3609393.9 |	389.26574 (10021719)	367.60850 (10021719)	346.18479 (10021719)
325.23670 (10021719)	315.47068 (11041823)		
3609352.2	385.08288 (10111518)	370.76655 (10111518)	366.18214 (10111518)
342.72613 (10111518)	314.78601 (10111518)		

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***
INCLUDING SOURCE(S): L0000498 , L0000499
, L0000500 , L0000501 , L0000502 ,
L0000503 , L0000504 , L0000505 , L0000506 , L0000507
, L0000508 , L0000509 , L0000510 ,
L0000511 , L0000512 , L0000513 , L0000514 , L0000515
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L0000519 , L0000520 , L0000521 , L0000522 , L0000523
, L0000524 , L0000525 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491692.52	

3610184.5 | 169.12738 (11033121)
3610142.8 | 175.75301 (11033121)
3610101.2 | 180.18227 (11033121)
3610059.6 | 183.72344 (11033121)
3610018.0 | 185.70532 (11033121)
3609976.4 | 184.45969 (11033121)
3609934.8 | 182.00584 (11033121)
3609893.2 | 176.62625 (11033121)
3609851.6 | 170.67715 (11033121)
3609810.0 | 165.37300 (12120918)
3609768.4 | 160.76379 (12120918)
3609726.7 | 154.16772 (12120918)
3609685.1 | 146.03717 (12060901)
3609643.5 | 165.43526 (10061623)
3609601.9 | 186.74817 (10082424)
3609560.3 | 235.76041 (10071502)
3609518.7 | 257.28850 (11031921)
3609477.1 | 304.75637 (11040422)
3609435.5 | 329.05124 (10101019)
3609393.9 | 305.18795 (12090702)
3609352.2 | 311.30326 (10111518)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23

*** AERMET - VERSION 22112 *** ***

*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***

INCLUDING SOURCE(S): L0000498 , L0000499
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 , L0000524 , L0000525 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	432.02627	(12090604)	491278.96
3610288.22	381.30409	(12062622)		
491317.19	3610288.22	309.90070	(12090324)	491355.42
3610288.22	327.46617	(11031622)		
491393.65	3610342.70	309.20296	(11031622)	491431.88
3610342.70	247.09336	(11110306)		
491470.11	3610342.70	213.05550	(12080824)	491508.34
3610342.70	207.44439	(12080824)		
491546.57	3610342.70	215.99815	(12060624)	491584.80
3610342.70	197.30480	(12060624)		
491623.03	3610342.70	159.32936	(12090703)	491508.34
3610397.18	203.93022	(12080824)		
491546.57	3610397.18	207.12786	(12060624)	491584.80
3610397.18	197.73811	(12060624)		
491623.03	3610397.18	154.39436	(12090703)	491508.34
3610451.66	200.58840	(12080824)		
491546.57	3610451.66	200.46298	(12060624)	491584.80
3610451.66	197.63775	(12060624)		
491623.03	3610451.66	157.82390	(12060624)	491508.34
3610506.14	197.85369	(12080824)		
491546.57	3610506.14	195.87914	(12060624)	491584.80
3610506.14	197.15391	(12060624)		
491623.03	3610506.14	163.55547	(12060624)	491508.34
3610560.62	193.69496	(12080824)		

491546.57	3610560.62	189.26459	(12060624)	491584.80
3610560.62	194.99029	(12060624)		
491623.03	3610560.62	168.02195	(12060624)	491087.81
3610615.10	267.38085	(12090604)		
491126.04	3610615.10	336.64495	(12090604)	491508.34
3610615.10	188.80256	(12080824)		
491546.57	3610615.10	181.96598	(12060624)	491584.80
3610615.10	191.42171	(12060624)		
491623.03	3610615.10	170.23048	(12060624)	491087.81
3610669.58	277.88149	(12090604)		
491126.04	3610669.58	321.71425	(12090604)	491508.34
3610669.58	183.83045	(12080824)		
491546.57	3610669.58	174.47908	(12060624)	491584.80
3610669.58	188.35099	(12060624)		
491623.03	3610669.58	173.39644	(12060624)	491546.57
3610724.06	168.70190	(12080824)		
491584.80	3610724.06	180.04680	(12060624)	491623.03
3610724.06	171.65617	(12060624)		
491546.57	3610778.54	167.97550	(12080824)	491584.80
3610778.54	178.01187	(12060624)		
491623.03	3610778.54	170.11539	(12060624)	490934.89
3610833.02	230.41341	(12081306)		
490973.12	3610833.02	232.62286	(12092102)	491011.35
3610833.02	232.41053	(12092102)		
491049.58	3610833.02	218.51204	(12060902)	491087.81
3610833.02	286.86041	(12090604)		
491126.04	3610833.02	267.28469	(12062502)	491164.27
3610833.02	236.17308	(12062502)		
491202.50	3610833.02	222.67977	(12062622)	491240.73
3610833.02	267.95456	(12062622)		
491278.96	3610833.02	219.12577	(12062622)	491317.19
3610833.02	215.75919	(12090324)		
491355.42	3610833.02	222.94793	(11031622)	491393.65
3610833.02	239.68796	(11031622)		
491431.88	3610833.02	203.99277	(11110306)	491470.11
3610833.02	163.89314	(11110306)		
491508.34	3610833.02	164.85918	(12080824)	491546.57
3610833.02	164.26027	(12080824)		
491584.80	3610833.02	170.78363	(12060624)	491623.03
3610833.02	169.49508	(12060624)		
490934.89	3610887.50	210.60257	(12081306)	490973.12
3610887.50	232.69646	(12092102)		
491011.35	3610887.50	210.42425	(12092102)	491049.58
3610887.50	222.84227	(12090604)		
491087.81	3610887.50	279.07225	(12090604)	491126.04
3610887.50	260.72347	(12062502)		
491164.27	3610887.50	217.75957	(12062502)	491202.50
3610887.50	222.46377	(12062622)		
491240.73	3610887.50	259.35659	(12062622)	491278.96
3610887.50	207.09233	(12062622)		

491317.19	3610887.50	209.24758	(12090324)	491355.42
3610887.50	214.91529	(11031622)		
491393.65	3610887.50	231.41904	(11031622)	491431.88
3610887.50	199.64728	(11110306)		
491470.11	3610887.50	161.49612	(11110306)	491508.34
3610887.50	158.32051	(12080824)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
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 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
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 , L0000524 , L0000525 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	160.39108	(12080824)	491584.80
3610887.50	157.24976	(12060624)		
491623.03	3610887.50	164.60437	(12060624)	490858.43
3610941.98	278.69170	(11042922)		
490896.66	3610941.98	236.20102	(11042922)	490934.89
3610941.98	193.22853	(12092102)		
490973.12	3610941.98	226.38522	(12092102)	491011.35
3610941.98	185.37714	(12092102)		
491049.58	3610941.98	232.08349	(12090604)	491087.81
3610941.98	272.47287	(12090604)		
491126.04	3610941.98	251.90279	(12062502)	491164.27
3610941.98	199.88274	(10011219)		
491202.50	3610941.98	222.10764	(12062622)	491240.73
3610941.98	249.25499	(12062622)		
491278.96	3610941.98	195.43147	(12062622)	491317.19

3610941.98	202.85582	(12090324)		
491355.42	3610941.98	209.47562	(11031622)	491393.65
3610941.98	227.69833	(11031622)		
491431.88	3610941.98	193.82959	(11110306)	491470.11
3610941.98	158.78131	(11110306)		
491508.34	3610941.98	152.80128	(11063024)	491546.57
3610941.98	157.23035	(12080824)		
491584.80	3610941.98	148.70724	(12060624)	491623.03
3610941.98	160.05945	(12060624)		
490858.43	3610996.46	265.56046	(11042922)	490896.66
3610996.46	209.47725	(12081306)		
490934.89	3610996.46	201.07144	(12092102)	490973.12
3610996.46	217.18469	(12092102)		
491011.35	3610996.46	186.69982	(12060902)	491049.58
3610996.46	237.31255	(12090604)		
491087.81	3610996.46	261.41043	(12090604)	491126.04
3610996.46	241.02689	(12062502)		
491164.27	3610996.46	200.74328	(10011219)	491202.50
3610996.46	219.93220	(12062622)		
491240.73	3610996.46	241.52090	(12062622)	491278.96
3610996.46	184.64679	(12062622)		
491317.19	3610996.46	196.78971	(12090324)	491355.42
3610996.46	202.71709	(11031622)		
491393.65	3610996.46	220.90332	(11031622)	491431.88
3610996.46	187.13119	(11110306)		
491470.11	3610996.46	157.06016	(11110306)	491508.34
3610996.46	147.93554	(11063024)		
491546.57	3610996.46	153.90809	(12080824)	491584.80
3610996.46	139.02920	(12060624)		
491623.03	3610996.46	156.43963	(12060624)	490858.43
3611050.94	243.31301	(11042922)		
490896.66	3611050.94	194.98505	(12081306)	490934.89
3611050.94	204.49865	(12092102)		
490973.12	3611050.94	203.77710	(12092102)	491011.35
3611050.94	187.97215	(12060902)		
491049.58	3611050.94	239.96165	(12090604)	491087.81
3611050.94	247.23744	(12090604)		
491126.04	3611050.94	229.31271	(12062502)	491164.27
3611050.94	193.92601	(10011219)		
491202.50	3611050.94	219.10491	(12062622)	491240.73
3611050.94	234.17206	(12062622)		
491278.96	3611050.94	178.74735	(12090324)	491317.19
3611050.94	190.09570	(12090324)		
491355.42	3611050.94	192.93735	(11031622)	491393.65
3611050.94	213.27857	(11031622)		
491431.88	3611050.94	181.74658	(11110306)	491470.11
3611050.94	152.91280	(11110306)		
491508.34	3611050.94	142.91659	(11063024)	491546.57
3611050.94	148.03687	(12080824)		
491584.80	3611050.94	134.92449	(12080824)	491623.03

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3611050.94      148.74783 (12060624)
      490858.43  3611105.42      217.34659 (11042922)      490896.66
3611105.42      177.47267 (12081306)
      490934.89  3611105.42      205.62158 (12092102)      490973.12
3611105.42      187.20984 (12092102)
      491011.35  3611105.42      187.47174 (12060902)      491049.58
3611105.42      241.52321 (12090604)
      491087.81  3611105.42      232.29022 (12090604)      491126.04
3611105.42      217.40358 (12062502)
      491164.27  3611105.42      185.59944 (10011219)      491202.50
3611105.42      217.73249 (12062622)
      491240.73  3611105.42      226.20419 (12062622)      491278.96
3611105.42      175.71265 (12090324)
      491317.19  3611105.42      184.55981 (12090324)      491355.42
3611105.42      186.95732 (11031622)

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^ *** AERMOD - VERSION 22112 ***      *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati ***      10/01/23
*** AERMET - VERSION 22112 ***      ***
***      ***      06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK3S ***
      INCLUDING SOURCE(S):      L0000498      , L0000499
, L0000500      , L0000501      , L0000502      ,
      L0000503      , L0000504      , L0000505      , L0000506      , L0000507
, L0000508      , L0000509      , L0000510      ,
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      L0000519      , L0000520      , L0000521      , L0000522      , L0000523
, L0000524      , L0000525      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491393.65	3611105.42	205.10173 (11031622)	491431.88
3611105.42	172.76804 (11110306)		
491470.11	3611105.42	151.35287 (11110306)	491508.34
3611105.42	135.23362 (11063024)		
491546.57	3611105.42	142.54792 (12080824)	491584.80
3611105.42	134.05419 (12080824)		

491623.03	3611105.42	138.73915	(12060624)	490858.43
3611159.90	194.54470	(12081306)		
490896.66	3611159.90	174.85104	(12092102)	490934.89
3611159.90	202.15504	(12092102)		
490973.12	3611159.90	168.23394	(12092102)	491011.35
3611159.90	187.87889	(12090604)		
491049.58	3611159.90	238.90327	(12090604)	491087.81
3611159.90	219.77603	(12062502)		
491126.04	3611159.90	205.00312	(12062502)	491164.27
3611159.90	177.52414	(10011219)		
491202.50	3611159.90	214.59391	(12062622)	491240.73
3611159.90	216.18895	(12062622)		
491278.96	3611159.90	171.88261	(12090324)	491317.19
3611159.90	179.14840	(12090324)		
491355.42	3611159.90	179.98700	(11031622)	491393.65
3611159.90	198.19908	(11031622)		
491431.88	3611159.90	166.84567	(11110306)	491470.11
3611159.90	145.63158	(11110306)		
491508.34	3611159.90	129.34131	(11063024)	491546.57
3611159.90	137.00721	(12080824)		
491584.80	3611159.90	131.45362	(12080824)	491623.03
3611159.90	128.82985	(12060624)		
490858.43	3611214.38	183.16119	(12081306)	490896.66
3611214.38	181.00702	(12092102)		
490934.89	3611214.38	194.71826	(12092102)	490973.12
3611214.38	161.49677	(12060902)		
491011.35	3611214.38	197.50478	(12090604)	491049.58
3611214.38	233.77229	(12090604)		
491087.81	3611214.38	216.17931	(12062502)	491126.04
3611214.38	192.30153	(12062502)		
491164.27	3611214.38	170.66827	(10011219)	491202.50
3611214.38	210.74317	(12062622)		
491240.73	3611214.38	206.95170	(12062622)	491278.96
3611214.38	167.12621	(12090324)		
491317.19	3611214.38	172.54043	(12090324)	491355.42
3611214.38	168.66019	(11031622)		
491393.65	3611214.38	190.54714	(11031622)	491431.88
3611214.38	163.27512	(11031622)		
491470.11	3611214.38	141.42334	(11110306)	491508.34
3611214.38	124.57388	(11063024)		
491546.57	3611214.38	130.89362	(12080824)	491584.80
3611214.38	127.24214	(12080824)		
491623.03	3611214.38	117.40859	(12060624)	490858.43
3611268.86	168.33981	(12081306)		
490896.66	3611268.86	184.71425	(12092102)	490934.89
3611268.86	183.67745	(12092102)		
490973.12	3611268.86	164.45488	(12060902)	491011.35
3611268.86	199.92349	(12090604)		
491049.58	3611268.86	226.25859	(12090604)	491087.81
3611268.86	211.00444	(12062502)		

491126.04	3611268.86	182.28315	(10011219)	491164.27
3611268.86	161.45852	(10011219)		
491202.50	3611268.86	207.14463	(12062622)	491240.73
3611268.86	197.00974	(12062622)		
491278.96	3611268.86	161.86955	(12090324)	491317.19
3611268.86	166.83597	(12090324)		
491355.42	3611268.86	164.55072	(11031622)	491393.65
3611268.86	184.79552	(11031622)		
491431.88	3611268.86	158.64780	(11031622)	491470.11
3611268.86	140.21921	(11110306)		
491508.34	3611268.86	119.55548	(11063024)	491546.57
3611268.86	125.05181	(12080824)		
491584.80	3611268.86	124.15427	(12080824)	491623.03
3611268.86	107.05057	(12060624)		
490858.43	3611323.34	153.11127	(12092102)	490896.66
3611323.34	185.61993	(12092102)		
490934.89	3611323.34	169.67647	(12092102)	490973.12
3611323.34	165.45979	(12060902)		
491011.35	3611323.34	202.61465	(12090604)	491049.58
3611323.34	215.46530	(12090604)		
491087.81	3611323.34	204.03627	(12062502)	491126.04
3611323.34	177.83100	(10011219)		
491164.27	3611323.34	161.67656	(12062622)	491202.50
3611323.34	202.68032	(12062622)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523
 , L0000524 , L0000525 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)

Y-COORD (M)	CONC	(YYMMDDHH)	
491240.73	3611323.34	188.51168	(12062622)
3611323.34	158.86085	(12090324)	491278.96
491317.19	3611323.34	161.73201	(12090324)
3611323.34	158.68914	(11031622)	491355.42
491393.65	3611323.34	177.59181	(11031622)
3611323.34	152.77223	(11031622)	491431.88
491470.11	3611323.34	135.91770	(11110306)
3611323.34	113.56503	(11063024)	491508.34
491546.57	3611323.34	118.15237	(12080824)
3611323.34	120.84146	(12080824)	491584.80
491623.03	3611323.34	103.25589	(12080824)
3608705.27	497.49265	(11102120)	491583.40
491577.37	3608727.37	508.09239	(11102120)
3608753.50	503.94801	(11112103)	491573.36
491562.30	3608782.64	536.44372	(12041421)
3608775.60	524.02070	(11050401)	491565.32
491547.23	3608819.81	571.67665	(12041421)
3608840.91	595.59506	(11111520)	491545.22
491533.16	3608877.09	679.60560	(11111520)
3608898.19	677.10908	(10041824)	491524.12
491522.11	3608915.27	697.90618	(10041824)
3608925.32	679.89277	(10041824)	491520.10
491511.06	3608945.41	683.99473	(10091101)
3608961.49	702.74999	(10090921)	491507.04
491499.00	3608982.59	751.91908	(10101020)
3608992.64	768.39153	(10101020)	491498.00
491490.96	3609007.71	735.13840	(10073123)
3609030.82	755.05152	(10073122)	491484.93
491478.91	3609048.91	749.85976	(10040120)
3609072.02	754.88371	(10030420)	491470.87
491461.82	3609094.12	722.37092	(10030420)
3609114.22	725.69873	(11032521)	491450.77
491449.77	3609129.29	661.67468	(10033101)
3609145.37	614.01413	(12022520)	491443.74
491439.72	3609164.46	559.94239	(12042821)
3609178.52	558.39291	(10120403)	491434.69
491424.65	3609198.62	571.07076	(10120403)
3609216.71	529.07034	(10120403)	491418.62
491414.60	3609231.78	512.50384	(11092822)
3609244.84	506.28439	(11092822)	491409.57
491398.52	3609273.98	517.75475	(10030323)
3609289.05	528.78183	(10030323)	491397.52
491388.47	3609312.16	584.85960	(10032020)
3609329.24	612.90499	(12040720)	491383.45
491377.42	3609354.36	719.27982	(10122419)
3609371.44	749.76782	(10021719)	491374.41
491361.34	3609405.61	711.03568	(11040422)
			491355.32

3609423.69	636.95857	(12080702)			
	491340.24	3609470.92	616.94644	(12090324)	491324.17
3609526.18	682.77885	(12062622)			
	491329.19	3609504.08	658.36012	(12062622)	491314.12
3609546.28	729.06209	(12062622)			
	491302.06	3609575.42	713.82488	(12062622)	491296.03
3609594.51	678.31318	(12062622)			
	491286.99	3609618.62	608.70863	(12062622)	491279.96
3609632.69	634.56459	(12062502)			
	491274.93	3609648.77	655.38414	(12062502)	491269.91
3609666.85	668.35078	(12062502)			
	491264.88	3609679.92	680.33734	(12062502)	491259.86
3609700.01	676.26379	(12062502)			
	491269.76	3609874.49	476.71026	(12062622)	491098.46
3610169.21	366.09393	(12092102)			
	491115.74	3610172.91	385.18426	(12092102)	491105.25
3610150.69	373.04339	(12092102)			
	491109.57	3610134.65	375.63990	(12092102)	491108.33
3610125.39	375.24539	(12092102)			
	491113.27	3610114.29	389.24673	(12092102)	491118.82
3610099.48	401.59091	(12092102)			
	491122.52	3610087.75	408.51617	(12092102)	491127.46
3610070.47	415.05168	(12092102)			
	491131.78	3610051.96	407.80129	(12092102)	491136.72
3610040.85	413.62957	(12092102)			
	491138.57	3610034.07	424.58085	(12092102)	491139.80
3610021.73	437.87503	(12092102)			
	491157.08	3610005.06	426.07114	(12092102)	491166.95
3609998.89	393.16409	(12060902)			
	491178.68	3609984.70	439.32374	(12090604)	491174.98
3609963.10	416.60177	(12060902)			
	491184.23	3609965.57	466.46547	(12090604)	491176.21
3609942.12	419.96881	(12092102)			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TRUCK3S ***
 INCLUDING SOURCE(S): L0000498 , L0000499
 , L0000500 , L0000501 , L0000502 ,
 L0000503 , L0000504 , L0000505 , L0000506 , L0000507
 , L0000508 , L0000509 , L0000510 ,
 L0000511 , L0000512 , L0000513 , L0000514 , L0000515
 , L0000516 , L0000517 , L0000518 ,
 L0000519 , L0000520 , L0000521 , L0000522 , L0000523

, L0000524 , L0000525 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	454.35190	(12090604)	491179.91
3609920.53	429.41548	(12092102)		
491191.64	3609922.99	495.16909	(12090604)	491189.17
3609903.25	456.83201	(12090604)		
491198.42	3609906.95	531.87536	(12090604)	491194.72
3609882.27	485.73413	(12090604)		
491205.83	3609887.20	571.30397	(12090604)	491200.89
3609866.84	531.85982	(12090604)		
491205.83	3609849.56	551.88972	(12090604)	491212.62
3609864.99	600.89901	(12090604)		
491303.94	3609929.78	477.56733	(12062622)	491267.54
3609903.25	462.73952	(12062622)		
491277.41	3609879.18	513.49862	(12062622)	491324.31
3609896.46	418.22047	(12090324)		
491135.48	3610120.46	386.03970	(12092102)	491124.99
3610139.59	389.98076	(12092102)		
491130.55	3610141.44	381.28938	(12092102)	491142.89
3610145.14	341.20460	(12060902)		
491165.10	3610151.31	426.81613	(12090604)	491172.51
3610156.25	452.94603	(12090604)		
491183.00	3610155.01	470.19739	(12090604)	491190.40
3610158.72	464.56725	(12090604)		
491197.81	3610138.97	462.15834	(12090604)	491162.02
3610130.33	406.91815	(12090604)		
491150.91	3610113.67	358.98885	(12060902)	491164.49
3610115.52	414.13974	(12090604)		
491178.06	3610123.54	469.60127	(12090604)	491189.17
3610125.39	483.27018	(12090604)		
491197.81	3610126.63	471.10068	(12090604)	491158.93
3610084.05	376.59638	(12060902)		
491175.59	3610088.37	459.05848	(12090604)	491188.55
3610090.84	495.64096	(12090604)		
491202.13	3610096.39	481.91674	(12090604)	491252.11
3610069.86	380.69520	(12062622)		
491240.39	3610095.77	379.59509	(12062502)	491232.36
3610128.48	394.09598	(12062502)		
491220.02	3610152.55	422.28829	(12062502)	491213.85
3610179.70	420.20048	(12062502)		

491204.60	3610206.85	419.13350	(12062502)	491297.77
3610095.16	412.72992	(12062622)		
491316.29	3610102.56	352.81820	(12090324)	491271.24
3610169.21	424.06697	(12062622)		
491296.54	3610170.44	382.35431	(12062622)	491224.34
3609806.98	644.02293	(12090604)		
491232.36	3609786.00	666.52651	(12090604)	491240.39
3609769.96	662.85992	(12090604)		
491245.94	3609753.92	653.77720	(12090604)	491250.26
3609731.08	658.55207	(12090604)		
491255.20	3609716.89	668.00320	(12062502)	491354.41
3609557.94	560.72930	(11031622)		
491349.69	3609575.67	543.15220	(11031622)	491331.95
3609630.05	531.15837	(12090324)		
491310.67	3609696.25	609.40450	(12062622)	491301.22
3609737.63	608.57182	(12062622)		
491289.40	3609771.91	585.01499	(12062622)	491276.39
3609801.46	520.34666	(12062622)		
491310.67	3609805.01	527.24926	(12062622)	492077.18
3610785.74	73.45549	(12090724)		

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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490903.38	490928.68	490953.98
490979.28	491004.58		

3610794.6 |	304.49816 (12091003)	305.04455 (12090520)	307.11372 (12090520)
317.53528	(12081904)	284.59758 (12081904)	
3610785.6 |	301.07107 (12091003)	313.43225 (12090520)	303.39568 (12090520)
318.43431	(12081904)	277.36954 (12111424)	
3610776.7 |	299.28333 (12100320)	319.65881 (12090520)	313.32912 (12081904)
315.16029	(12081904)	275.19756 (12111424)	

3610767.7 |	299.76252 (12090520)	323.34864 (12090520)	323.68004 (12081904)
307.92974 (12081904)	269.89752 (12111424)		
3610758.7 |	312.71935 (12090520)	324.22991 (12090520)	330.07107 (12081904)
297.00116 (12081904)	265.36061 (12102718)		
3610749.8 |	323.86576 (12090520)	322.17340 (12090520)	331.98582 (12081904)
287.54591 (12111424)	271.32133 (12102718)		
3610740.8 |	332.57515 (12090520)	323.76077 (12081904)	329.17056 (12081904)
284.72286 (12111424)	278.65119 (12092720)		
3610731.9 |	338.60083 (12090520)	335.65221 (12081904)	321.88999 (12081904)
278.51511 (12111424)	284.32509 (12092720)		
3610722.9 |	341.62397 (12090520)	343.25259 (12081904)	310.49444 (12081904)
279.93702 (12102718)	286.91559 (12092720)		
3610713.9 |	341.52802 (12090520)	346.19779 (12081904)	298.28754 (12111424)
286.75310 (12092720)	288.64433 (12090321)		
3610705.0 |	338.21830 (12090520)	344.06841 (12081904)	294.78623 (12111424)
294.10885 (12092720)	291.14230 (12090321)		
3610696.0 |	347.96651 (12081904)	337.06038 (12081904)	288.67945 (12102718)
298.29303 (12092720)	290.51241 (12090321)		
3610687.1 |	357.28105 (12081904)	325.34714 (12081904)	295.81531 (12102718)
299.57272 (12090321)	286.74274 (12090321)		
3610678.1 |	361.56078 (12081904)	309.99906 (12111424)	304.36795 (12092720)
303.06411 (12090321)	279.99725 (12090321)		
3610669.1 |	360.27544 (12081904)	305.68660 (12111424)	310.32593 (12092720)
303.22268 (12090321)	270.64478 (12081104)		
3610660.2 |	353.47250 (12081904)	306.53144 (12102718)	312.50806 (12092720)
299.86939 (12090321)	282.64071 (12081104)		
3610651.2 |	341.51909 (12081904)	314.67663 (12092720)	316.12225 (12090321)
293.29848 (12090321)	292.81149 (12081104)		
3610642.3 |	324.84780 (12081904)	322.57264 (12092720)	317.22562 (12090321)
284.19333 (12081104)	300.65798 (12081104)		
3610633.3 |	317.41114 (12102718)	326.51067 (12092720)	314.51270 (12090321)
296.62613 (12081104)	305.58559 (12081104)		
3610624.3 |	326.28647 (12102718)	330.00198 (12090321)	308.06964 (12090321)
306.91248 (12081104)	307.11538 (12081104)		
3610615.4	336.13364 (12092720)	332.35958 (12090321)	299.26775 (12081104)
314.37675 (12081104)	304.86059 (12081104)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***
 INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491029.88	491131.08	491055.18	491080.48
491105.78				

3610794.6 |	254.56866 (12111424)	263.09518 (12092720)	260.51767 (12090321)
243.97352 (12090321)	228.32232 (12081104)		
3610785.6 |	258.30177 (12102718)	265.99361 (12092720)	260.65055 (12090321)
237.21152 (12090321)	237.52417 (12081104)		
3610776.7 |	263.90248 (12092720)	266.21815 (12092720)	258.30116 (12090321)
231.00291 (10082621)	245.65437 (12081104)		
3610767.7 |	270.75879 (12092720)	269.21988 (12090321)	253.57012 (12090321)
237.69993 (12081104)	252.32789 (12081104)		
3610758.7 |	275.02613 (12092720)	269.98289 (12090321)	246.68752 (12090321)
247.08090 (12081104)	257.16178 (12081104)		
3610749.8 |	276.30548 (12092720)	268.14237 (12090321)	238.89895 (10082621)
255.21199 (12081104)	259.81083 (12081104)		
3610740.8 |	278.57390 (12090321)	263.64427 (12090321)	247.49561 (12081104)
261.67993 (12081104)	260.00445 (12081104)		
3610731.9 |	280.17217 (12090321)	256.75649 (12090321)	257.11055 (12081104)
266.08190 (12081104)	257.63612 (12081104)		
3610722.9 |	278.82273 (12090321)	247.79803 (12090321)	265.26074 (12081104)
268.11801 (12081104)	252.57615 (12081104)		
3610713.9 |	274.68037 (12090321)	258.12066 (12081104)	271.54780 (12081104)
267.42365 (12081104)	248.71235 (12091519)		
3610705.0 |	267.81672 (12090321)	267.94836 (12081104)	275.45242 (12081104)
263.91128 (12081104)	258.02357 (12100121)		
3610696.0 |	258.66411 (12090321)	276.10586 (12081104)	276.66338 (12081104)
257.63790 (12081104)	267.70846 (12100121)		
3610687.1 |	269.84540 (12081104)	282.02064 (12081104)	274.93320 (12081104)
261.54333 (12100121)	274.37079 (12100121)		
3610678.1 |	279.86852 (12081104)	285.34348 (12081104)	270.20898 (12081104)
272.49899 (12100121)	277.47561 (12100121)		
3610669.1 |	287.92164 (12081104)	285.66726 (12081104)	266.75347 (12091519)
280.48159 (12100121)	276.44672 (12100121)		
3610660.2 |	293.39895 (12081104)	282.76268 (12081104)	277.35233 (12100121)
284.69228 (12100121)	271.20838 (12100121)		
3610651.2 |	295.92909 (12081104)	276.56481 (12081104)	286.64119 (12100121)
284.73269 (12100121)	261.69229 (12100121)		
3610642.3 |	295.11172 (12081104)	282.23887 (12100121)	292.19669 (12100121)
280.17680 (12100121)	248.32067 (12100121)		
3610633.3 |	290.70032 (12081104)	293.08624 (12100121)	293.34505 (12100121)
271.08961 (12100121)	247.04961 (10121318)		
3610624.3 |	288.12439 (12091519)	300.05602 (12100121)	289.69956 (12100121)
257.84159 (12100121)	250.23902 (10121318)		

3610615.4 | 299.40190 (12100121) 302.37591 (12100121) 281.17591 (12100121)
 254.47746 (10121318) 249.68075 (12083120)
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***
 INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491156.38	491181.68	491206.98
	491232.28	491257.58	

3610794.6 |	243.00455 (12081104)	244.68792 (12081104)	231.17049 (12081104)
225.62126 (12100121)	239.31629 (12100121)		
3610785.6 |	248.26352 (12081104)	244.20308 (12081104)	225.06249 (12081104)
235.32922 (12100121)	243.82923 (12100121)		
3610776.7 |	251.52090 (12081104)	241.40213 (12081104)	227.73030 (12091519)
243.19920 (12100121)	245.49177 (12100121)		
3610767.7 |	252.54808 (12081104)	236.35266 (12081104)	238.20699 (12100121)
248.56766 (12100121)	243.94905 (12100121)		
3610758.7 |	251.16019 (12081104)	232.25819 (12091519)	247.04644 (12100121)
251.03227 (12100121)	239.25297 (12100121)		
3610749.8 |	247.33946 (12081104)	240.87656 (12100121)	253.40074 (12100121)
250.25730 (12100121)	231.35855 (12100121)		
3610740.8 |	241.03535 (12081104)	250.66769 (12100121)	256.80946 (12100121)
246.16163 (12100121)	220.70849 (12100121)		
3610731.9 |	244.08175 (12091519)	258.12227 (12100121)	256.87305 (12100121)
238.72153 (12100121)	210.82761 (10121318)		
3610722.9 |	254.43328 (12100121)	262.60661 (12100121)	253.37160 (12100121)
228.13577 (12100121)	216.47841 (10121318)		
3610713.9 |	262.99907 (12100121)	263.58116 (12100121)	246.37472 (12100121)
216.07417 (10121318)	219.64575 (10121318)		
3610705.0 |	268.50196 (12100121)	260.89295 (12100121)	236.03496 (12100121)
221.89958 (10121318)	220.02476 (10121318)		
3610696.0 |	270.46686 (12100121)	254.40442 (12100121)	222.72909 (12100121)
225.16291 (10121318)	219.60779 (12100224)		

3610687.1 |	268.59933 (12100121)	244.29513 (12100121)	227.64330 (10121318)
225.47197 (10121318)	222.62922 (12100224)		
3610678.1 |	262.62789 (12100121)	230.92134 (12100121)	230.92441 (10121318)
225.28635 (12100224)	222.62954 (12100224)		
3610669.1 |	252.81588 (12100121)	233.80582 (10121318)	231.06706 (10121318)
227.76375 (12100224)	222.74537 (12080721)		
3610660.2 |	239.42103 (12100121)	237.03122 (10121318)	231.21439 (12100224)
227.58514 (12080721)	222.31522 (12080721)		
3610651.2 |	240.17573 (10121318)	236.91211 (10121318)	233.17204 (12100224)
228.67138 (12080721)	219.82225 (12080721)		
3610642.3 |	243.32431 (10121318)	237.10196 (12100224)	234.06842 (12080721)
227.63886 (12080721)	218.69832 (12080801)		
3610633.3 |	242.90392 (10121318)	238.32595 (12100224)	234.61598 (12080721)
224.38827 (12080721)	226.44056 (12080801)		
3610624.3 |	243.14147 (12100224)	240.42795 (12080721)	232.92176 (12080721)
227.99457 (12080801)	232.76354 (12080801)		
3610615.4	245.41362 (12080721)	240.42525 (12080721)	229.19340 (12080801)
235.35847 (12080801)	237.31086 (12080801)		

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*** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491282.88	491308.18	491333.48
491358.78	491384.08		

3610794.6 |	239.88687 (12100121)	225.92822 (12100121)	200.15231 (12100121)
197.11626 (10121318)	196.67642 (10121318)		
3610785.6 |	237.71736 (12100121)	217.44357 (12100121)	196.77582 (10121318)
200.10276 (10121318)	195.35664 (10121318)		
3610776.7 |	232.41249 (12100121)	206.60174 (12100121)	201.87358 (10121318)
201.01175 (10121318)	198.84913 (12100224)		
3610767.7 |	224.27032 (12100121)	201.16938 (10121318)	204.92299 (10121318)
199.50726 (10121318)	201.40646 (12100224)		

3610758.7 |	213.47022 (12100121)	206.48972 (10121318)	205.60882 (10121318)
203.49751 (12100224)	201.72224 (12100224)		
3610749.8 |	205.80293 (10121318)	209.58294 (10121318)	203.89954 (12100224)
205.74443 (12100224)	199.49015 (12100224)		
3610740.8 |	211.28182 (10121318)	210.18256 (10121318)	208.05273 (12100224)
205.40847 (12100224)	194.68439 (12100224)		
3610731.9 |	214.41167 (10121318)	208.94503 (12100224)	209.81021 (12100224)
202.43202 (12100224)	192.31220 (12080721)		
3610722.9 |	214.90839 (10121318)	212.74214 (12100224)	208.92759 (12100224)
199.36800 (12080721)	189.30033 (10082320)		
3610713.9 |	214.17923 (12100224)	213.94729 (12100224)	205.51198 (12080721)
197.42273 (12080721)	191.50341 (12080801)		
3610705.0 |	217.67535 (12100224)	212.32786 (12100224)	204.76976 (12080721)
193.69277 (12080721)	198.37331 (12080801)		
3610696.0 |	218.37651 (12100224)	211.17740 (12080721)	202.19363 (12080721)
199.82279 (12080801)	204.34111 (12080801)		
3610687.1 |	216.88827 (12080721)	209.90469 (12080721)	200.62251 (12080801)
206.52430 (12080801)	209.24683 (12080801)		
3610678.1 |	216.89715 (12080721)	206.72456 (12080721)	208.01755 (12080801)
212.16091 (12080801)	212.80015 (12080801)		
3610669.1 |	214.98145 (12080721)	209.13464 (12080801)	214.40998 (12080801)
216.43088 (12080801)	214.60791 (12080801)		
3610660.2 |	210.97908 (12080721)	216.27135 (12080801)	219.50814 (12080801)
218.96499 (12080801)	214.37595 (12080801)		
3610651.2 |	217.67435 (12080801)	222.21327 (12080801)	223.02414 (12080801)
219.57150 (12080801)	211.76028 (12080801)		
3610642.3 |	224.48130 (12080801)	226.64257 (12080801)	224.53615 (12080801)
217.90318 (12080801)	206.73491 (12080801)		
3610633.3 |	229.80172 (12080801)	229.12603 (12080801)	223.82247 (12080801)
213.74701 (12080801)	207.68748 (12062722)		
3610624.3 |	233.32590 (12080801)	229.36298 (12080801)	220.56783 (12080801)
210.82291 (12062722)	209.17791 (12062722)		
3610615.4	234.60724 (12080801)	227.02851 (12080801)	214.67149 (12080801)
213.02807 (12062722)	209.49124 (12040721)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD			X-COORD (METERS)
(METERS)		491409.38	

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-----
3610794.6 | 194.44421 (12100224)
3610785.6 | 197.38467 (12100224)
3610776.7 | 198.17878 (12100224)
3610767.7 | 196.62893 (12100224)
3610758.7 | 192.56312 (12100224)
3610749.8 | 187.20909 (12080721)
3610740.8 | 186.28809 (10082320)
3610731.9 | 185.39986 (12051520)
3610722.9 | 190.53391 (12051520)
3610713.9 | 196.75111 (12080801)
3610705.0 | 202.05220 (12080801)
3610696.0 | 206.13910 (12080801)
3610687.1 | 208.75100 (12080801)
3610678.1 | 209.59978 (12080801)
3610669.1 | 208.43802 (12080801)
3610660.2 | 205.01628 (12080801)
3610651.2 | 201.43840 (12062722)
3610642.3 | 204.41553 (12062722)
3610633.3 | 205.25931 (12062722)
3610624.3 | 206.70849 (12040721)
3610615.4 | 214.26199 (12040721)

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*** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

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INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	490964.36	490985.16
	|	491026.76	491047.56

3610598.0 | 323.92481 (12081104) 314.12745 (12081104) 306.29181 (12100121)
 312.15926 (12100121) 300.50780 (12100121)
 3610584.7 | 326.49045 (12081104) 310.53913 (12091519) 319.23099 (12100121)
 310.45179 (12100121) 284.58890 (12100121)
 3610571.5 | 319.60969 (12081104) 325.71627 (12100121) 320.49752 (12100121)
 296.50755 (12100121) 275.06293 (10121318)
 3610558.3 | 331.71074 (12100121) 330.25869 (12100121) 308.66029 (12100121)
 282.35114 (12083120) 278.30507 (12083120)
 3610545.1 | 339.86471 (12100121) 321.03796 (12100121) 290.54166 (12083120)
 286.75938 (12083120) 280.63588 (12080721)
 3610531.9 | 333.62721 (12100121) 299.39558 (12083120) 295.82965 (12083120)
 288.75636 (12080721) 281.00817 (12080721)
 3610518.7 | 312.46838 (12100121) 305.56269 (12083120) 297.52907 (12080721)
 288.82148 (12080721) 287.72392 (12080801)
 3610505.5 | 316.26446 (12083120) 306.96658 (12080721) 297.14253 (12080721)
 298.05421 (12080801) 297.92857 (12080801)
 3610492.3 | 317.19193 (12080721) 306.00088 (12080721) 308.79094 (12080801)
 307.08613 (12080801) 299.12579 (12080801)
 3610479.1 | 316.47700 (12080801) 320.07459 (12080801) 316.37978 (12080801)
 306.10391 (12080801) 293.52845 (12040721)
 3610465.9 | 332.05666 (12080801) 325.87519 (12080801) 312.85200 (12080801)
 318.96541 (12040721) 329.36505 (12040721)
 3610452.6 | 335.58451 (12080801) 322.82840 (12040721) 343.81226 (12040721)
 345.70455 (12040721) 330.29235 (12040721)
 3610439.4 | 355.57172 (12040721) 367.64270 (12040721) 357.56902 (12040721)
 331.82598 (12040721) 301.71132 (10061621)
 3610426.2 | 387.86726 (12040721) 364.60566 (12040721) 327.86917 (10061621)
 304.23880 (10061621) 297.50651 (11010918)
 3610413.0 | 362.51449 (12040721) 332.98591 (10061621) 322.07211 (11010918)
 319.69239 (11010918) 311.70498 (11010918)
 3610399.8 | 349.61003 (11010918) 346.98592 (11010918) 337.28334 (11010918)
 323.06632 (10100221) 314.72857 (10100221)
 3610386.6 | 364.84052 (11010918) 351.25053 (10100221) 341.27536 (10100221)
 326.49650 (10100221) 313.25250 (11031120)
 3610373.4 | 367.52054 (10100221) 350.56967 (11031120) 340.04037 (11031120)
 329.85861 (11070121) 321.45475 (11070121)
 3610360.2 | 372.21063 (11070121) 360.97524 (11070121) 349.16144 (11070121)
 344.61527 (10091321) 340.15807 (10091321)
 3610347.0 | 399.22521 (10091321) 389.86640 (10091321) 380.23124 (10091321)
 368.73503 (10091321) 356.75846 (10091321)
 3610333.8 | 420.96139 (10110918) 404.54317 (10110918) 389.67536 (10110918)
 374.61897 (10110918) 359.35438 (10110918)

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 *** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491130.76	491068.36	491151.56	491109.96

3610598.0	273.21153 (12100121)	262.21434 (10121318)	256.16042 (12083120)
253.14891	(12080721)	248.44370 (12080721)	
3610584.7	268.52667 (10121318)	263.10877 (12083120)	259.33579 (12080721)
254.31472	(12080721)	244.22883 (12080721)	
3610571.5	270.48832 (12083120)	265.96197 (12080721)	260.35356 (12080721)
251.54833	(12080801)	256.46410 (12080801)	
3610558.3	273.06890 (12080721)	266.83709 (12080721)	259.87725 (12080801)
264.13333	(12080801)	264.32760 (12080801)	
3610545.1	273.68269 (12080721)	268.68502 (12080801)	272.17206 (12080801)
271.16823	(12080801)	265.80689 (12080801)	
3610531.9	277.91302 (12080801)	280.45274 (12080801)	278.12092 (12080801)
271.07535	(12080801)	259.62359 (12080801)	
3610518.7	288.96904 (12080801)	285.08358 (12080801)	276.24728 (12080801)
262.71817	(12080801)	266.38667 (12040721)	
3610505.5	292.08115 (12080801)	281.14601 (12080801)	269.15702 (12040721)
283.14912	(12040721)	285.84962 (12040721)	
3610492.3	285.72771 (12080801)	290.02576 (12040721)	298.66750 (12040721)
295.62799	(12040721)	282.42029 (12040721)	
3610479.1	310.57122 (12040721)	312.75399 (12040721)	302.35621 (12040721)
282.46662	(12040721)	259.01247 (10061621)	
3610465.9	323.75158 (12040721)	305.32955 (12040721)	278.08608 (12040721)
260.95768	(10061621)	243.11304 (10061621)	
3610452.6	303.14167 (12040721)	280.13596 (10061621)	260.44443 (10061621)
260.49392	(11010918)	260.83352 (11010918)	
3610439.4	280.44970 (10061621)	277.98022 (11010918)	277.53009 (11010918)
272.92254	(11010918)	266.04570 (11010918)	
3610426.2	296.59328 (11010918)	291.36742 (11010918)	282.24303 (11010918)
273.85714	(10100221)	268.86141 (10100221)	
3610413.0	300.09855 (11010918)	293.44264 (10100221)	286.00982 (10100221)
276.50841	(10100221)	266.61144 (10100221)	
3610399.8	304.63550 (10100221)	293.14965 (10100221)	284.16121 (11031120)
276.32973	(11031120)	268.63067 (11070121)	

3610386.6 |	303.96634 (11031120)	295.77191 (11070121)	290.06520 (11070121)
283.26774 (11070121)	275.49109 (11070121)		
3610373.4 |	312.34164 (11070121)	302.36474 (11070121)	299.52812 (10091321)
296.62847 (10091321)	292.44353 (10091321)		
3610360.2 |	334.22450 (10091321)	327.36796 (10091321)	319.86898 (10091321)
311.74980 (10091321)	303.01338 (10091321)		
3610347.0 |	345.93084 (10110918)	335.93285 (10110918)	325.98808 (10110918)
315.83805 (10110918)	305.92835 (10110918)		
3610333.8	344.49954 (10110918)	330.81924 (10110918)	317.90199 (10110918)
305.37165 (10110918)	293.56147 (10110918)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
491234.76	491255.56		

3610598.0 |	239.02805 (12080721)	241.83020 (12080801)	244.62224 (12080801)
244.14245 (12080801)	240.22101 (12080801)		
3610584.7 |	249.00005 (12080801)	250.96377 (12080801)	249.49471 (12080801)
244.41258 (12080801)	235.53769 (12080801)		
3610571.5 |	257.58764 (12080801)	254.87699 (12080801)	248.41186 (12080801)
238.24473 (12080801)	231.56464 (12062722)		
3610558.3 |	260.38158 (12080801)	252.30795 (12080801)	240.42121 (12080801)
236.65453 (12062722)	243.04260 (12040721)		
3610545.1 |	256.09336 (12080801)	245.05779 (12062722)	247.36464 (12040721)
253.92058 (12040721)	253.71718 (12040721)		
3610531.9 |	251.08218 (12062722)	261.33503 (12040721)	264.42395 (12040721)
259.37880 (12040721)	248.36792 (12040721)		
3610518.7 |	274.22891 (12040721)	272.82987 (12040721)	263.36154 (12040721)
247.58659 (12040721)	228.36720 (10061621)		
3610505.5 |	279.04802 (12040721)	264.29277 (12040721)	243.92893 (12040721)
230.40665 (10061621)	217.11820 (10061621)		

3610492.3	|	262.12467 (12040721)	243.81672 (10061621)	230.47043 (10061621)
218.75097	(11010918)	221.29820 (11010918)		
3610479.1	|	244.91292 (10061621)	229.86747 (11010918)	233.23449 (11010918)
233.95003	(11010918)	231.79887 (11010918)		
3610465.9	|	246.05604 (11010918)	246.49768 (11010918)	244.10794 (11010918)
239.74458	(11010918)	233.01010 (11010918)		
3610452.6	|	257.75051 (11010918)	252.08823 (11010918)	244.25313 (11010918)
240.46326	(10100221)	236.63903 (10100221)		
3610439.4	|	257.70762 (10100221)	253.94331 (10100221)	248.81437 (10100221)
242.44443	(10100221)	235.58669 (10100221)		
3610426.2	|	262.05818 (10100221)	254.15087 (10100221)	245.77527 (11031120)
241.30560	(11031120)	236.57792 (11031120)		
3610413.0	|	260.47300 (11031120)	254.55682 (11031120)	247.76109 (11031120)
244.39144	(11070121)	240.93324 (11070121)		
3610399.8	|	264.72204 (11070121)	260.03901 (11070121)	254.42534 (11070121)
248.37383	(11070121)	242.49494 (11070121)		
3610386.6	|	268.09546 (11070121)	266.01771 (10091321)	264.24147 (10091321)
261.95289	(10091321)	259.27982 (10091321)		
3610373.4	|	288.27341 (10091321)	283.55772 (10091321)	278.05928 (10091321)
272.63218	(10091321)	266.81395 (10091321)		
3610360.2	|	294.86283 (10110918)	288.60107 (10110918)	282.26269 (10110918)
275.90975	(10110918)	269.24740 (10110918)		
3610347.0	|	296.62229 (10110918)	287.60810 (10110918)	279.22794 (10110918)
271.16867	(10110918)	262.76072 (10110918)		
3610333.8		282.42921 (10110918)	272.21855 (10110918)	262.87502 (10110918)
254.06845	(10110918)	245.60629 (10110918)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491276.36	491297.16
491338.76	491359.56

3610598.0	|	232.68970	(12080801)	221.81949	(12080801)	219.68179	(12062722)
217.03538		(12040721)	221.97793	(12040721)			
3610584.7	|	226.25882	(12062722)	223.80752	(12062722)	227.85082	(12040721)
230.71929		(12040721)	227.92117	(12040721)			
3610571.5	|	231.10730	(12040721)	237.62139	(12040721)	238.02863	(12040721)
232.55997		(12040721)	222.17620	(12040721)			
3610558.3	|	246.24264	(12040721)	243.38168	(12040721)	235.10689	(12040721)
221.82589		(12040721)	205.61218	(10061621)			
3610545.1	|	246.78984	(12040721)	234.96010	(12040721)	218.95092	(12040721)
207.90360		(10061621)	198.08803	(10061621)			
3610531.9	|	232.44799	(12040721)	217.95005	(10061621)	208.35304	(10061621)
196.76040		(12081921)	191.99671	(11010918)			
3610518.7	|	218.35184	(10061621)	206.49610	(10061621)	200.45985	(11010918)
203.11247		(11010918)	202.10615	(11010918)			
3610505.5	|	208.62682	(11010918)	211.80079	(11010918)	213.13793	(11010918)
212.28658		(11010918)	206.57582	(11010918)			
3610492.3	|	222.59590	(11010918)	221.62069	(11010918)	218.89555	(11010918)
214.69043		(11010918)	206.55599	(11010918)			
3610479.1	|	228.47579	(11010918)	223.24618	(11010918)	217.77841	(10100221)
216.29413		(10100221)	211.83002	(10100221)			
3610465.9	|	228.36545	(10100221)	225.56724	(10100221)	221.97336	(10100221)
217.75709		(10100221)	212.08926	(10100221)			
3610452.6	|	231.79328	(10100221)	225.97252	(10100221)	219.84514	(10100221)
215.62954		(11031120)	212.14112	(11031120)			
3610439.4	|	229.17031	(11031120)	225.34508	(11031120)	221.22502	(11031120)
216.61347		(11031120)	213.39484	(11070121)			
3610426.2	|	230.44447	(11031120)	227.18609	(11070121)	224.60047	(11070121)
221.54979		(11070121)	218.28230	(11070121)			
3610413.0	|	236.29392	(11070121)	231.72680	(11070121)	226.99854	(11070121)
222.19799		(12062422)	221.14316	(10091321)			
3610399.8	|	240.26172	(10091321)	239.34640	(10091321)	238.24806	(10091321)
236.52795		(10091321)	235.18803	(10091321)			
3610386.6	|	255.78493	(10091321)	252.10336	(10091321)	248.49765	(10091321)
244.48750		(10091321)	241.28935	(10091321)			
3610373.4	|	260.68304	(10091321)	255.17323	(10110918)	250.79997	(10110918)
246.70182		(10110918)	243.13368	(10110918)			
3610360.2	|	262.82676	(10110918)	256.34083	(10110918)	249.98067	(10110918)
244.56643		(10110918)	240.04183	(10110918)			
3610347.0	|	255.16274	(10110918)	247.39707	(10110918)	240.10043	(10110918)
234.01856		(10110918)	228.76997	(10110918)			
3610333.8		237.76102	(10110918)	229.70780	(10110918)	222.12586	(10110918)
215.86364		(10110918)	212.06055	(12081824)			

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

GRIDCART ***
*** NETWORK ID: UCART2 ; NETWORK TYPE:

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD | X-COORD (METERS)
(METERS) | 491380.36

3610598.0 | 222.42064 (12040721)
3610584.7 | 221.05527 (12040721)
3610571.5 | 208.82742 (12040721)
3610558.3 | 197.59525 (10061621)
3610545.1 | 187.87397 (12081921)
3610531.9 | 194.52942 (11010918)
3610518.7 | 202.59495 (11010918)
3610505.5 | 204.65153 (11010918)
3610492.3 | 205.63721 (10100221)
3610479.1 | 209.12764 (10100221)
3610465.9 | 207.05508 (10100221)
3610452.6 | 209.28646 (11031120)
3610439.4 | 212.13191 (11070121)
3610426.2 | 215.75365 (11070121)
3610413.0 | 222.82074 (10091321)
3610399.8 | 233.79403 (10091321)
3610386.6 | 237.19909 (10091321)
3610373.4 | 238.65850 (10110918)
3610360.2 | 234.43569 (10110918)
3610347.0 | 222.60856 (10110918)
3610333.8 | 209.13645 (12081824)

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

GRIDCART ***
*** NETWORK ID: UCART3 ; NETWORK TYPE:

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491360.32	491426.76	491376.93	491393.54
491410.15				

3610184.5 |	238.46695 (10041020)	233.90207 (10041020)	229.25965 (10041020)
224.71229 (10041020)	219.96092 (10041020)		
3610142.8 |	256.14581 (10111819)	251.23096 (10111819)	245.93880 (10111819)
240.29799 (10111819)	234.52209 (10111819)		
3610101.2 |	256.72750 (10091421)	251.72345 (10091421)	245.95342 (10091421)
239.53859 (10091421)	240.39145 (10111819)		
3610059.6 |	229.65177 (10091421)	234.49714 (10091421)	238.10547 (10091421)
240.43473 (10091421)	241.68104 (10091421)		
3610018.0 |	232.97640 (12081905)	223.89799 (12081905)	212.97520 (12081905)
201.62883 (11031620)	206.02276 (10083001)		
3609976.4 |	201.99305 (12081905)	210.87360 (12081905)	216.96921 (12081905)
220.34638 (12081905)	221.19833 (12081905)		
3609934.8 |	210.42910 (12022020)	204.49340 (12022020)	194.96568 (12022020)
182.42676 (12022020)	172.03038 (10030220)		
3609893.2 |	200.49044 (11011719)	202.64774 (12100219)	205.14631 (12100219)
203.63011 (12100219)	198.45599 (12100219)		
3609851.6 |	198.28568 (10100820)	199.45239 (10100820)	197.72655 (10100820)
192.97836 (10100820)	186.13498 (10100820)		
3609810.0 |	187.16838 (12032322)	184.29601 (10062221)	187.11699 (12081404)
182.93986 (10100820)	186.45472 (10100820)		
3609768.4 |	175.75816 (11070901)	180.75233 (12032322)	183.88180 (12032322)
181.63558 (12032322)	175.36728 (10062221)		
3609726.7 |	180.63981 (12093024)	181.42825 (12093024)	175.61253 (12093024)
166.10448 (11070901)	168.24148 (12032322)		
3609685.1 |	171.32340 (10081902)	171.45151 (12110320)	166.27172 (12110320)
170.72818 (12093024)	172.47096 (12093024)		
3609643.5 |	164.22022 (10081121)	162.87376 (10081121)	166.07288 (10081902)
163.21499 (12110320)	163.32693 (12110320)		
3609601.9 |	168.91779 (10082405)	165.53078 (10082405)	159.48138 (12120819)
156.13570 (10081121)	154.32019 (10081121)		
3609560.3 |	154.52960 (10050324)	152.67867 (12110619)	159.33850 (10082405)
160.19553 (10082405)	154.55887 (10082405)		
3609518.7 |	152.45149 (10032621)	146.82354 (10032621)	148.00841 (10050324)
144.73745 (10050324)	148.65898 (12110619)		
3609477.1 |	147.35180 (12112219)	148.33368 (10032621)	146.78214 (10032621)
142.25184 (10032621)	140.53933 (10050324)		
3609435.5 |	146.48845 (12093003)	145.02488 (12093003)	141.38072 (12112219)
141.57142 (10032621)	140.78938 (10032621)		
3609393.9 |	138.92607 (12100301)	139.06009 (12100220)	139.86087 (12093003)
138.95394 (12093003)	135.32797 (12112219)		

3609352.2 | 135.87810 (12122620) 134.62919 (12100301) 133.27594 (12100301)
 132.95610 (12100220) 133.48204 (12112007)
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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***
 INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491443.37	491459.98	491476.59
	491493.20	491509.81	

3610184.5 |	215.12358 (10041020)	210.07601 (10041020)	206.52183 (11082720)
203.65084 (11082720)	200.97275 (11082720)		
3610142.8 |	228.48064 (10111819)	225.29922 (10041020)	223.69607 (10041020)
221.63090 (10041020)	220.00621 (10041020)		
3610101.2 |	240.75761 (10111819)	240.23988 (10111819)	238.81130 (10111819)
236.68569 (10111819)	234.47957 (10111819)		
3610059.6 |	241.78619 (10091421)	241.11093 (10091421)	239.32471 (10091421)
236.56934 (10091421)	232.86352 (10091421)		
3610018.0 |	208.23429 (10083001)	206.55642 (10083001)	204.85758 (10062123)
207.90805 (10091421)	212.42975 (10091421)		
3609976.4 |	219.39844 (12081905)	215.32588 (12081905)	208.67255 (12081905)
200.28128 (12081905)	190.54828 (12081905)		
3609934.8 |	178.57559 (12081905)	187.96092 (12081905)	195.31127 (12081905)
200.34228 (12081905)	203.27441 (12081905)		
3609893.2 |	195.72952 (12022020)	190.92319 (12022020)	182.94956 (12022020)
172.52727 (12022020)	161.51666 (10030220)		
3609851.6 |	189.32247 (11011719)	191.48018 (12100219)	192.35843 (12100219)
189.86424 (12100219)	184.88011 (12022020)		
3609810.0 |	187.49198 (10100820)	186.18895 (10100820)	182.47926 (10100820)
176.93261 (10100820)	176.64548 (11011719)		
3609768.4 |	173.91116 (12081404)	175.11100 (12081404)	172.15526 (10100820)
175.11198 (10100820)	176.10798 (10100820)		
3609726.7 |	173.35240 (12032322)	173.78585 (12032322)	169.73374 (12032322)
164.92694 (10062221)	163.64159 (12081404)		

3609685.1 |	168.32721 (12093024)	158.93112 (12093024)	157.44315 (11070901)
162.14031 (12032322)	164.56485 (12032322)		
3609643.5 |	158.42983 (12110320)	160.77876 (12093024)	163.19569 (12093024)
160.43590 (12093024)	152.99477 (12093024)		
3609601.9 |	157.23276 (10081902)	155.33001 (12110320)	155.29400 (12110320)
150.93092 (12110320)	151.56496 (12093024)		
3609560.3 |	151.83956 (12120819)	148.49949 (10081121)	146.99902 (10081902)
148.81309 (10081902)	148.16196 (12110320)		
3609518.7 |	152.81859 (10082405)	151.12657 (10082405)	146.77963 (12120819)
144.59906 (12120819)	141.20490 (10081121)		
3609477.1 |	139.82411 (10050324)	139.33609 (12110619)	143.79606 (10082405)
145.36995 (10082405)	141.59114 (10082405)		
3609435.5 |	137.42060 (10032621)	132.59223 (10050324)	133.96306 (10050324)
131.07386 (12121518)	135.40620 (12110619)		
3609393.9 |	135.01109 (10032621)	134.64716 (10032621)	132.05945 (10032621)
127.36113 (10032621)	127.47359 (10050324)		
3609352.2	132.98855 (12112007)	129.37934 (12112007)	128.42539 (10032621)
128.66411 (10032621)	126.74406 (10032621)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491526.42	491543.03	491559.64
491576.25	491592.86		

3610184.5 |	198.18945 (11082720)	195.25547 (11082720)	192.33344 (10020120)
190.26182 (10020120)	188.12271 (10020120)		
3610142.8 |	217.92679 (10041020)	215.29720 (10041020)	212.52417 (10041020)
209.70602 (10041020)	206.73218 (10041020)		
3610101.2 |	231.70586 (10111819)	228.61934 (10111819)	224.74823 (10111819)
220.60562 (10111819)	216.24690 (10111819)		
3610059.6 |	228.74146 (10091421)	224.30112 (10091421)	219.13294 (10091421)
213.88636 (10111819)	215.19553 (10111819)		

3610018.0	|	215.94018	(10091421)	218.49802	(10091421)	220.33572	(10091421)
221.20625		(10091421)	221.21885	(10091421)			
3609976.4	|	184.12561	(11031620)	186.30524	(10083001)	188.19002	(10083001)
187.05181		(10083001)	184.68048	(10062123)			
3609934.8	|	203.97973	(12081905)	202.55186	(12081905)	199.00634	(12081905)
193.73070		(12081905)	186.99856	(12081905)			
3609893.2	|	159.83677	(10111420)	167.27909	(12081905)	174.59941	(12081905)
180.28114		(12081905)	184.37720	(12081905)			
3609851.6	|	183.05972	(12022020)	178.55764	(12022020)	171.29422	(12022020)
162.11835		(12022020)	151.43398	(12022020)			
3609810.0	|	176.87007	(12100219)	179.28389	(12100219)	178.81227	(12100219)
175.84504		(12100219)	172.68632	(12022020)			
3609768.4	|	174.90764	(10100820)	171.64159	(10100820)	167.01204	(10100820)
163.40383		(11011719)	165.86154	(11011719)			
3609726.7	|	163.46810	(12081404)	161.51363	(10100820)	164.18057	(10100820)
165.09730		(10100820)	164.48522	(10100820)			
3609685.1	|	163.18237	(12032322)	158.19454	(12032322)	154.76842	(10062221)
153.75849		(12081404)	152.87710	(12081404)			
3609643.5	|	148.72703	(11070901)	151.21896	(12032322)	155.58547	(12032322)
156.24696		(12032322)	153.39026	(12032322)			
3609601.9	|	154.62434	(12093024)	153.05358	(12093024)	147.34588	(12093024)
141.53219		(12022820)	141.02989	(11070901)			
3609560.3	|	148.04907	(12110320)	144.02983	(12110320)	142.88267	(12093024)
146.21140		(12093024)	145.61578	(12093024)			
3609518.7	|	139.92087	(10081902)	140.63948	(10081902)	141.30360	(12110320)
140.97899		(12110320)	137.17087	(12110320)			
3609477.1	|	140.15600	(12120819)	137.20071	(12120819)	133.95435	(10081121)
133.00546		(10081902)	132.73867	(10081902)			
3609435.5	|	137.84665	(12110619)	137.01199	(10082405)	134.20886	(12120819)
133.26550		(12120819)	129.83640	(12120819)			
3609393.9	|	126.03199	(10050324)	126.57630	(12110619)	130.30032	(12110619)
131.37285		(12110619)	129.66201	(12110619)			
3609352.2		123.01056	(10032621)	120.71571	(10050324)	120.88089	(10050324)
119.71693		(12121518)	122.71985	(12110619)			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491609.47	491675.91	491626.08	X-COORD (METERS)	491642.69
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3610184.5	186.10937 (10020120)	184.04749 (10020120)	181.76168 (10020120)
179.62415 (10020120)	177.51755 (10020120)		
3610142.8 |	203.55686 (10041020)	200.19986 (10041020)	196.81824 (10041020)
193.48410 (10041020)	190.11604 (10041020)		
3610101.2 |	211.72096 (10111819)	207.00518 (10111819)	202.73581 (12100222)
199.66340 (12100222)	196.38040 (12100222)		
3610059.6 |	215.91237 (10111819)	215.98294 (10111819)	215.16810 (10111819)
214.03735 (10111819)	212.64657 (10111819)		
3610018.0 |	220.49708 (10091421)	218.93434 (10091421)	216.34418 (10091421)
213.32075 (10091421)	209.79206 (10091421)		
3609976.4 |	185.66134 (10062123)	189.13540 (10091421)	193.61211 (10091421)
197.30303 (10091421)	200.05385 (10091421)		
3609934.8 |	179.09909 (12081905)	171.22356 (11031620)	167.02421 (11031620)
166.94425 (10083001)	168.67623 (10083001)		
3609893.2 |	186.41095 (12081905)	186.82462 (12081905)	185.39084 (12081905)
182.67749 (12081905)	178.55341 (12081905)		
3609851.6 |	146.80606 (10030220)	148.31838 (12081905)	155.34682 (12081905)
161.27812 (12081905)	165.89939 (12081905)		
3609810.0 |	171.06324 (12022020)	167.02803 (12022020)	160.77499 (12022020)
152.81113 (12022020)	143.55020 (12022020)		
3609768.4 |	166.63199 (12100219)	167.93305 (12100219)	167.23188 (12100219)
163.92386 (12100219)	162.17103 (12022020)		
3609726.7 |	162.20691 (10100820)	158.43848 (10100820)	153.41910 (10100820)
155.03191 (11011719)	154.97231 (11011719)		
3609685.1 |	152.26834 (10100820)	154.71288 (10100820)	155.79823 (10100820)
155.52049 (10100820)	153.81322 (10100820)		
3609643.5 |	147.69638 (12032322)	145.84354 (10062221)	144.59000 (12081404)
143.12887 (12081404)	143.52533 (10100820)		
3609601.9 |	145.82218 (12032322)	148.15784 (12032322)	147.33254 (12032322)
143.63554 (12032322)	138.98848 (10062221)		
3609560.3 |	141.03957 (12093024)	135.28666 (12022820)	133.44282 (11070901)
135.98329 (12032322)	139.35030 (12032322)		
3609518.7 |	134.42722 (12093024)	138.05694 (12093024)	138.16980 (12093024)
134.67973 (12093024)	128.80033 (12022820)		
3609477.1 |	134.18733 (12110320)	133.75239 (12110320)	130.31859 (12110320)
126.25846 (12093024)	129.80780 (12093024)		
3609435.5 |	126.37166 (10081121)	125.71037 (10081902)	125.04985 (10081902)
127.35831 (12110320)	127.06494 (12110320)		
3609393.9 |	128.42139 (12120819)	126.72263 (12120819)	122.72967 (12120819)
119.60080 (10081121)	119.33582 (10081902)		
3609352.2	125.14636 (12110619)	124.90058 (12110619)	122.20729 (12120819)
122.34071 (12120819)	120.37357 (12120819)		

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
---------------------	------------------

3610184.5	175.14596 (10020120)
3610142.8	186.59776 (10041020)
3610101.2	195.46524 (10041020)
3610059.6	211.10788 (10111819)
3610018.0	206.04341 (10091421)
3609976.4	202.06657 (10091421)
3609934.8	168.28229 (10083001)
3609893.2	173.06483 (12081905)
3609851.6	169.14512 (12081905)
3609810.0	137.69278 (10030220)
3609768.4	160.35070 (12022020)
3609726.7	157.07273 (12100219)
3609685.1	150.38713 (10100820)
3609643.5	145.80955 (10100820)
3609601.9	136.86699 (10062221)
3609560.3	139.91775 (12032322)
3609518.7	127.31404 (12022820)
3609477.1	130.24979 (12093024)
3609435.5	123.45050 (12110320)
3609393.9	119.04948 (12110320)
3609352.2	115.93167 (12120819)

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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

PAGE 418

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	259.81057	(11082720)	491278.96
3610288.22	226.93115	(12011918)		
491317.19	3610288.22	220.36096	(12011918)	491355.42
3610288.22	214.17201	(12011918)		
491393.65	3610342.70	213.44447	(10110918)	491431.88
3610342.70	202.99427	(10110918)		
491470.11	3610342.70	193.79432	(12081824)	491508.34
3610342.70	189.65075	(12081824)		
491546.57	3610342.70	185.46515	(12081824)	491584.80
3610342.70	180.94813	(12081824)		
491623.03	3610342.70	176.55867	(12081824)	491508.34
3610397.18	215.10524	(10091321)		
491546.57	3610397.18	209.84764	(10110918)	491584.80
3610397.18	204.19954	(10110918)		
491623.03	3610397.18	198.27339	(10110918)	491508.34
3610451.66	195.51052	(11070121)		
491546.57	3610451.66	190.15019	(11070121)	491584.80
3610451.66	185.00310	(12062422)		
491623.03	3610451.66	182.56788	(10091321)	491508.34
3610506.14	189.66009	(10100221)		
491546.57	3610506.14	182.94217	(10100221)	491584.80
3610506.14	178.02572	(11031120)		
491623.03	3610506.14	174.28613	(11031120)	491508.34
3610560.62	182.28715	(11010918)		
491546.57	3610560.62	180.76767	(11010918)	491584.80
3610560.62	175.98546	(11010918)		
491623.03	3610560.62	170.21450	(10100221)	491087.81
3610615.10	270.62342	(12100121)		
491126.04	3610615.10	251.81050	(10121318)	491508.34
3610615.10	182.72600	(10061621)		
491546.57	3610615.10	171.30278	(10061621)	491584.80
3610615.10	159.05372	(12081921)		
491623.03	3610615.10	156.41252	(11010918)	491087.81
3610669.58	270.66269	(12100121)		

491126.04	3610669.58	278.97379	(12100121)	491508.34
3610669.58	189.63948	(12062722)		
491546.57	3610669.58	193.37507	(12040721)	491584.80
3610669.58	188.70109	(12040721)		
491623.03	3610669.58	175.57929	(12040721)	491546.57
3610724.06	178.19993	(12062722)		
491584.80	3610724.06	179.88801	(12062722)	491623.03
3610724.06	175.75344	(12062722)		
491546.57	3610778.54	178.17478	(12051520)	491584.80
3610778.54	173.56705	(12080801)		
491623.03	3610778.54	166.95177	(12071923)	490934.89
3610833.02	280.44290	(12100320)		
490973.12	3610833.02	297.57695	(12090520)	491011.35
3610833.02	303.75494	(12081904)		
491049.58	3610833.02	256.85909	(12111424)	491087.81
3610833.02	252.13173	(12092720)		
491126.04	3610833.02	243.75633	(12090321)	491164.27
3610833.02	215.67047	(10082621)		
491202.50	3610833.02	232.62054	(12081104)	491240.73
3610833.02	224.30806	(12081104)		
491278.96	3610833.02	216.18991	(12100121)	491317.19
3610833.02	231.80168	(12100121)		
491355.42	3610833.02	218.09899	(12100121)	491393.65
3610833.02	183.71315	(10121318)		
491431.88	3610833.02	189.50696	(10121318)	491470.11
3610833.02	186.97581	(12100224)		
491508.34	3610833.02	184.46149	(12100224)	491546.57
3610833.02	168.39462	(10082320)		
491584.80	3610833.02	160.97101	(12051520)	491623.03
3610833.02	165.12791	(12051520)		
490934.89	3610887.50	291.21564	(12091003)	490973.12
3610887.50	261.72125	(12090520)		
491011.35	3610887.50	276.13136	(12090520)	491049.58
3610887.50	287.66611	(12081904)		
491087.81	3610887.50	246.17771	(12111424)	491126.04
3610887.50	236.09959	(12092720)		
491164.27	3610887.50	231.08097	(12090321)	491202.50
3610887.50	202.61498	(10082621)		
491240.73	3610887.50	209.72440	(12081104)	491278.96
3610887.50	214.93786	(12081104)		
491317.19	3610887.50	193.81077	(12081104)	491355.42
3610887.50	210.28790	(12100121)		
491393.65	3610887.50	218.62808	(12100121)	491431.88
3610887.50	201.04488	(12100121)		
491470.11	3610887.50	173.05617	(10121318)	491508.34
3610887.50	178.81385	(10121318)		

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	175.30116	(12100224)	491584.80
3610887.50	176.01136	(12100224)		
491623.03	3610887.50	164.16526	(12100224)	490858.43
3610941.98	326.26244	(12122818)		
490896.66	3610941.98	301.74328	(12110519)	490934.89
3610941.98	277.77273	(12091003)		
490973.12	3610941.98	268.66581	(12091003)	491011.35
3610941.98	254.00472	(12090520)		
491049.58	3610941.98	254.29644	(12090520)	491087.81
3610941.98	273.92701	(12081904)		
491126.04	3610941.98	237.06129	(12111424)	491164.27
3610941.98	220.23944	(12092720)		
491202.50	3610941.98	219.73791	(12092720)	491240.73
3610941.98	196.60268	(12090321)		
491278.96	3610941.98	190.93419	(10120117)	491317.19
3610941.98	198.61601	(12081104)		
491355.42	3610941.98	190.76376	(12081104)	491393.65
3610941.98	181.71955	(12100121)		
491431.88	3610941.98	203.20124	(12100121)	491470.11
3610941.98	205.13942	(12100121)		
491508.34	3610941.98	183.91040	(12100121)	491546.57
3610941.98	163.16361	(10121318)		
491584.80	3610941.98	168.55743	(10121318)	491623.03
3610941.98	164.00344	(12100224)		
490858.43	3610996.46	290.14028	(12122818)	490896.66
3610996.46	314.30860	(12122818)		
490934.89	3610996.46	291.79759	(12110519)	490973.12
3610996.46	268.37889	(12091003)		
491011.35	3610996.46	244.24181	(12091003)	491049.58
3610996.46	243.84063	(12090520)		
491087.81	3610996.46	238.43109	(12081904)	491126.04
3610996.46	261.23653	(12081904)		

491164.27	3610996.46	227.91208	(12111424)	491202.50
3610996.46	204.72676	(12092720)		
491240.73	3610996.46	212.35468	(12092720)	491278.96
3610996.46	188.85805	(12090321)		
491317.19	3610996.46	182.59054	(10082621)	491355.42
3610996.46	178.45397	(12081104)		
491393.65	3610996.46	180.64336	(12081104)	491431.88
3610996.46	163.23307	(12081104)		
491470.11	3610996.46	178.27287	(12100121)	491508.34
3610996.46	193.89825	(12100121)		
491546.57	3610996.46	190.84503	(12100121)	491584.80
3610996.46	167.56075	(12100121)		
491623.03	3610996.46	153.75606	(10121318)	490858.43
3611050.94	265.35952	(12092101)		
490896.66	3611050.94	302.18358	(12122818)	490934.89
3611050.94	279.43396	(12122818)		
490973.12	3611050.94	260.99177	(12110519)	491011.35
3611050.94	253.07519	(12091003)		
491049.58	3611050.94	229.68807	(12100320)	491087.81
3611050.94	230.93621	(12090520)		
491126.04	3611050.94	232.22133	(12081904)	491164.27
3611050.94	249.21682	(12081904)		
491202.50	3611050.94	219.52769	(12111424)	491240.73
3611050.94	190.58890	(12092720)		
491278.96	3611050.94	204.32182	(12092720)	491317.19
3611050.94	182.50274	(12092720)		
491355.42	3611050.94	171.36575	(10082621)	491393.65
3611050.94	169.41914	(10120117)		
491431.88	3611050.94	165.62297	(12081104)	491470.11
3611050.94	158.09082	(12081104)		
491508.34	3611050.94	157.93120	(12050622)	491546.57
3611050.94	173.00360	(12100121)		
491584.80	3611050.94	183.63144	(12100121)	491623.03
3611050.94	175.98487	(12100121)		
490858.43	3611105.42	254.77943	(12092101)	490896.66
3611105.42	272.45665	(12122818)		
490934.89	3611105.42	292.14097	(12122818)	490973.12
3611105.42	275.85487	(12110519)		
491011.35	3611105.42	240.47198	(12091003)	491049.58
3611105.42	233.87216	(12091003)		
491087.81	3611105.42	215.85862	(12100320)	491126.04
3611105.42	215.78650	(12090520)		
491164.27	3611105.42	226.19969	(12081904)	491202.50
3611105.42	238.61730	(12081904)		
491240.73	3611105.42	212.00464	(12111424)	491278.96
3611105.42	176.89968	(12092720)		
491317.19	3611105.42	194.88737	(12092720)	491355.42
3611105.42	180.65189	(12092720)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***

INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491393.65	3611105.42	162.32663	(12080703)	491431.88
3611105.42	162.10165	(10082621)		
491470.11	3611105.42	154.73315	(10120117)	491508.34
3611105.42	152.29919	(10081822)		
491546.57	3611105.42	143.34110	(12050622)	491584.80
3611105.42	150.17621	(12050622)		
491623.03	3611105.42	166.36157	(12100121)	490858.43
3611159.90	239.72219	(12092402)		
490896.66	3611159.90	246.01770	(12112318)	490934.89
3611159.90	283.47505	(12122818)		
490973.12	3611159.90	262.97167	(12122818)	491011.35
3611159.90	257.04339	(12110519)		
491049.58	3611159.90	230.05669	(12091003)	491087.81
3611159.90	210.06731	(12091003)		
491126.04	3611159.90	199.28743	(12100320)	491164.27
3611159.90	199.48781	(12090520)		
491202.50	3611159.90	219.69462	(12081904)	491240.73
3611159.90	227.59643	(12081904)		
491278.96	3611159.90	203.94743	(12111424)	491317.19
3611159.90	169.33017	(12111424)		
491355.42	3611159.90	184.32815	(12092720)	491393.65
3611159.90	176.77110	(12092720)		
491431.88	3611159.90	157.11130	(12080703)	491470.11
3611159.90	153.71593	(10082621)		
491508.34	3611159.90	147.67408	(10120117)	491546.57
3611159.90	144.41302	(10081822)		
491584.80	3611159.90	139.20517	(10081822)	491623.03
3611159.90	139.83125	(12050622)		
490858.43	3611214.38	232.18290	(12092402)	490896.66
3611214.38	241.88852	(12092101)		

490934.89	3611214.38	257.99562	(12122818)	490973.12
3611214.38	274.28254	(12122818)		
491011.35	3611214.38	262.43814	(12110519)	491049.58
3611214.38	224.23155	(12110519)		
491087.81	3611214.38	213.36238	(12091003)	491126.04
3611214.38	202.24081	(12100320)		
491164.27	3611214.38	186.30802	(12090622)	491202.50
3611214.38	184.22159	(10082121)		
491240.73	3611214.38	212.58435	(12081904)	491278.96
3611214.38	216.61045	(12081904)		
491317.19	3611214.38	195.74486	(12111424)	491355.42
3611214.38	164.72548	(12111424)		
491393.65	3611214.38	173.05551	(12092720)	491431.88
3611214.38	171.32927	(12092720)		
491470.11	3611214.38	149.66274	(12080703)	491508.34
3611214.38	143.21411	(10082621)		
491546.57	3611214.38	141.80015	(10082621)	491584.80
3611214.38	133.76937	(10081822)		
491623.03	3611214.38	134.65867	(10081822)	490858.43
3611268.86	225.50658	(12092421)		
490896.66	3611268.86	228.13629	(12092101)	490934.89
3611268.86	225.34208	(12112318)		
490973.12	3611268.86	267.59358	(12122818)	491011.35
3611268.86	248.89875	(12122818)		
491049.58	3611268.86	250.48529	(12110519)	491087.81
3611268.86	200.17044	(12091003)		
491126.04	3611268.86	193.31198	(12091003)	491164.27
3611268.86	193.11366	(12100320)		
491202.50	3611268.86	178.75714	(12090622)	491240.73
3611268.86	176.75909	(10082121)		
491278.96	3611268.86	204.66447	(12081904)	491317.19
3611268.86	206.16714	(12081904)		
491355.42	3611268.86	187.67091	(12111424)	491393.65
3611268.86	160.39960	(12111424)		
491431.88	3611268.86	161.66250	(12092720)	491470.11
3611268.86	164.48492	(12092720)		
491508.34	3611268.86	145.39221	(12092720)	491546.57
3611268.86	134.67045	(12080703)		
491584.80	3611268.86	135.60533	(10082621)	491623.03
3611268.86	127.97468	(10120117)		
490858.43	3611323.34	216.83264	(12060623)	490896.66
3611323.34	219.54933	(12092402)		
490934.89	3611323.34	226.89114	(12092101)	490973.12
3611323.34	245.60550	(12122818)		
491011.35	3611323.34	259.24785	(12122818)	491049.58
3611323.34	245.61556	(12110519)		
491087.81	3611323.34	224.54846	(12110519)	491126.04
3611323.34	193.22015	(11090723)		
491164.27	3611323.34	178.01483	(11090723)	491202.50
3611323.34	181.03227	(12100320)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 421

*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***
 INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	169.73496	(12090622)	491278.96
3611323.34	168.67060	(10082121)		
491317.19	3611323.34	197.44957	(12081904)	491355.42
3611323.34	195.91003	(12081904)		
491393.65	3611323.34	179.72846	(12111424)	491431.88
3611323.34	155.36333	(12111424)		
491470.11	3611323.34	150.26411	(12092720)	491508.34
3611323.34	156.72814	(12092720)		
491546.57	3611323.34	142.63156	(12092720)	491584.80
3611323.34	130.15769	(12080703)		
491623.03	3611323.34	127.53925	(10082621)	491583.40
3608705.27	65.62475	(12112021)		
491577.37	3608727.37	66.45588	(12112021)	491573.36
3608753.50	68.99330	(11020119)		
491562.30	3608782.64	71.54731	(11020119)	491565.32
3608775.60	70.98696	(11020119)		
491547.23	3608819.81	75.05165	(11020119)	491545.22
3608840.91	76.95749	(11020119)		
491533.16	3608877.09	79.66354	(12032122)	491524.12
3608898.19	82.01436	(12032122)		
491522.11	3608915.27	84.33649	(12032122)	491520.10
3608925.32	85.54551	(12032122)		
491511.06	3608945.41	87.59567	(12032122)	491507.04
3608961.49	89.13023	(12032122)		
491499.00	3608982.59	91.07685	(12032122)	491498.00
3608992.64	91.76463	(12032122)		
491490.96	3609007.71	93.09274	(12032122)	491484.93
3609030.82	94.22402	(12032122)		

491478.91	3609048.91	95.00019	(12032122)	491470.87
3609072.02	97.34144	(10041621)		
491461.82	3609094.12	101.11719	(10092701)	491450.77
3609114.22	104.23975	(10092701)		
491449.77	3609129.29	108.02966	(10092701)	491443.74
3609145.37	110.65488	(10092701)		
491439.72	3609164.46	113.02157	(10092701)	491434.69
3609178.52	114.37588	(12100122)		
491424.65	3609198.62	117.84551	(12100122)	491418.62
3609216.71	121.39883	(12100122)		
491414.60	3609231.78	123.78983	(12100122)	491409.57
3609244.84	125.40017	(12100122)		
491398.52	3609273.98	127.76546	(12100122)	491397.52
3609289.05	128.36192	(12122620)		
491388.47	3609312.16	131.08263	(12122620)	491383.45
3609329.24	132.12357	(12122620)		
491377.42	3609354.36	134.93028	(12100301)	491374.41
3609371.44	136.47596	(12100301)		
491361.34	3609405.61	140.97894	(12100220)	491355.32
3609423.69	143.28570	(12100220)		
491340.24	3609470.92	151.90927	(12093003)	491324.17
3609526.18	155.82850	(10032621)		
491329.19	3609504.08	152.31613	(12093003)	491314.12
3609546.28	159.74007	(10032621)		
491302.06	3609575.42	163.59079	(10032621)	491296.03
3609594.51	163.73652	(10032621)		
491286.99	3609618.62	164.11275	(10050324)	491279.96
3609632.69	168.08396	(10050324)		
491274.93	3609648.77	170.51050	(10050324)	491269.91
3609666.85	171.67955	(10082405)		
491264.88	3609679.92	180.10578	(10082405)	491259.86
3609700.01	189.15108	(10082405)		
491269.76	3609874.49	204.72780	(10062221)	491098.46
3610169.21	315.64511	(10091421)		
491115.74	3610172.91	307.44181	(10091421)	491105.25
3610150.69	304.06265	(10091421)		
491109.57	3610134.65	287.56096	(10083001)	491108.33
3610125.39	297.05132	(12081905)		
491113.27	3610114.29	310.67473	(12081905)	491118.82
3610099.48	306.96525	(12081905)		
491122.52	3610087.75	286.59499	(12081905)	491127.46
3610070.47	247.25761	(12022020)		
491131.78	3610051.96	266.62399	(12022020)	491136.72
3610040.85	270.27848	(12100219)		
491138.57	3610034.07	270.78323	(12100219)	491139.80
3610021.73	260.71416	(12100219)		
491157.08	3610005.06	249.74882	(10100820)	491166.95
3609998.89	247.00004	(10100820)		
491178.68	3609984.70	247.93804	(10100820)	491174.98
3609963.10	240.92603	(10100820)		

491184.23 3609965.57 244.51646 (10100820) 491176.21
 3609942.12 229.62551 (10062221)
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

PAGE 422

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG1 ***
 INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	229.90005	(12081404)	491179.91
3609920.53	229.54621	(12032322)		
491191.64	3609922.99	225.14750	(12032322)	491189.17
3609903.25	218.70362	(12032322)		
491198.42	3609906.95	224.01551	(12032322)	491194.72
3609882.27	212.26495	(12093024)		
491205.83	3609887.20	211.37023	(12032322)	491200.89
3609866.84	217.18886	(12093024)		
491205.83	3609849.56	211.53090	(12093024)	491212.62
3609864.99	211.58931	(12093024)		
491303.94	3609929.78	213.57791	(12100219)	491267.54
3609903.25	213.85695	(10100820)		
491277.41	3609879.18	205.87096	(12081404)	491324.31
3609896.46	210.16975	(10100820)		
491135.48	3610120.46	272.13908	(12081905)	491124.99
3610139.59	291.42138	(10091421)		
491130.55	3610141.44	295.18071	(10091421)	491142.89
3610145.14	299.87579	(10091421)		
491165.10	3610151.31	298.25729	(10091421)	491172.51
3610156.25	293.73825	(10091421)		
491183.00	3610155.01	290.11248	(10091421)	491190.40
3610158.72	285.69741	(10111819)		
491197.81	3610138.97	290.50563	(10091421)	491162.02
3610130.33	285.07566	(10091421)		
491150.91	3610113.67	269.28202	(12081905)	491164.49
3610115.52	270.61798	(10083001)		

491178.06	3610123.54	278.46573	(10091421)	491189.17
3610125.39	282.73496	(10091421)		
491197.81	3610126.63	284.61068	(10091421)	491158.93
3610084.05	291.22512	(12081905)		
491175.59	3610088.37	286.29813	(12081905)	491188.55
3610090.84	273.65813	(12081905)		
491202.13	3610096.39	251.60091	(10083001)	491252.11
3610069.86	249.05368	(12081905)		
491240.39	3610095.77	250.68116	(10062123)	491232.36
3610128.48	282.53863	(10091421)		
491220.02	3610152.55	279.82450	(10111819)	491213.85
3610179.70	281.42842	(10111819)		
491204.60	3610206.85	270.26736	(10041020)	491297.77
3610095.16	262.08424	(10091421)		
491316.29	3610102.56	265.42785	(10091421)	491271.24
3610169.21	267.78387	(10111819)		
491296.54	3610170.44	256.08327	(10111819)	491224.34
3609806.98	199.41782	(12110320)		
491232.36	3609786.00	198.61406	(10081902)	491240.39
3609769.96	192.74881	(10081902)		
491245.94	3609753.92	187.11610	(10081121)	491250.26
3609731.08	186.23091	(10082405)		
491255.20	3609716.89	189.88288	(10082405)	491354.41
3609557.94	154.74828	(10050324)		
491349.69	3609575.67	156.12962	(10050324)	491331.95
3609630.05	174.54418	(10082405)		
491310.67	3609696.25	174.32055	(10081121)	491301.22
3609737.63	182.28402	(12110320)		
491289.40	3609771.91	184.75058	(12083101)	491276.39
3609801.46	199.88969	(12093024)		
491310.67	3609805.01	185.02949	(11070901)	492077.18
3610785.74	105.84046	(12081921)		

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD				X-COORD (METERS)
(METERS)	490903.38		490928.68	490953.98
	490979.28	491004.58		

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-----
3610794.6 | 265.26558 (12100320) 265.37286 (12100320) 276.37236 (12090520)
289.63433 (12081904) 302.21188 (12081904)
3610785.6 | 268.62981 (12100320) 268.13868 (12090520) 278.78875 (12090520)
297.61950 (12081904) 301.57299 (12081904)
3610776.7 | 271.47408 (12100320) 273.84905 (12090520) 280.47581 (12090520)
303.78766 (12081904) 298.94902 (12081904)
3610767.7 | 273.64412 (12100320) 278.91666 (12090520) 284.82651 (12081904)
308.08103 (12081904) 294.24870 (12081904)
3610758.7 | 274.89621 (12100320) 283.19052 (12090520) 295.52716 (12081904)
310.24966 (12081904) 297.48558 (12111424)
3610749.8 | 275.11096 (12100320) 286.53061 (12090520) 304.46796 (12081904)
310.20470 (12081904) 299.05563 (12111424)
3610740.8 | 278.76562 (12090520) 288.87787 (12090520) 311.31251 (12081904)
307.69916 (12081904) 298.03423 (12111424)
3610731.9 | 284.50499 (12090520) 290.25019 (12090520) 316.06558 (12081904)
302.97165 (12081904) 294.73358 (12111424)
3610722.9 | 289.44443 (12090520) 301.08389 (12081904) 318.57543 (12081904)
305.48688 (12111424) 289.09040 (12111424)
3610713.9 | 293.57527 (12090520) 310.86175 (12081904) 318.84456 (12081904)
306.76051 (12111424) 281.31223 (12111424)
3610705.0 | 296.75452 (12090520) 318.57324 (12081904) 316.61287 (12081904)
305.50174 (12111424) 271.45151 (12111424)
3610696.0 | 298.91680 (12090520) 324.19255 (12081904) 312.09464 (12081904)
301.80032 (12111424) 262.48660 (12092720)
3610687.1 | 306.34908 (12081904) 327.34037 (12081904) 314.06784 (12111424)
295.60223 (12111424) 266.59534 (12092720)
3610678.1 | 317.16524 (12081904) 327.98992 (12081904) 315.22364 (12111424)
286.93370 (12111424) 269.28651 (12092720)
3610669.1 | 325.83948 (12081904) 326.07349 (12081904) 313.66290 (12111424)
276.16713 (12111424) 270.48077 (12092720)
3610660.2 | 332.21369 (12081904) 321.68332 (12081904) 309.37453 (12111424)
272.43313 (12092720) 270.12631 (12092720)
3610651.2 | 336.18336 (12081904) 322.88257 (12111424) 302.33423 (12111424)
275.92873 (12092720) 268.12836 (12092720)
3610642.3 | 337.38720 (12081904) 323.58952 (12111424) 292.85999 (12111424)
277.78154 (12092720) 268.18658 (12090321)
3610633.3 | 335.93908 (12081904) 321.48109 (12111424) 281.06449 (12111424)
277.99602 (12092720) 267.27318 (12090321)
3610624.3 | 331.90088 (12081904) 316.55139 (12111424) 282.87191 (12092720)
276.53438 (12092720) 271.19840 (12081104)
3610615.4 | 332.83843 (12111424) 308.95368 (12111424) 285.52861 (12092720)
275.60524 (12090321) 280.39823 (12081104)

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*** AERMET - VERSION 22112 ***
*** 06:51:10

PAGE 424

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491105.78	491029.88
	491131.08
	491055.18
	491080.48

3610794.6 |	289.91937 (12111424)	277.50729 (12111424)	240.02330 (12092720)
244.47361 (12092720)	236.84844 (12090321)		
3610785.6 |	291.65657 (12111424)	270.93927 (12111424)	244.43093 (12092720)
244.80670 (12092720)	237.12697 (12090321)		
3610776.7 |	291.04975 (12111424)	262.59436 (12111424)	247.71339 (12092720)
243.90860 (12092720)	236.36677 (12090321)		
3610767.7 |	288.19303 (12111424)	252.44096 (12111424)	249.79324 (12092720)
242.47339 (12090321)	234.56238 (12090321)		
3610758.7 |	283.23218 (12111424)	248.48677 (12092720)	250.61354 (12092720)
242.90905 (12090321)	233.79880 (12081104)		
3610749.8 |	276.04319 (12111424)	252.47725 (12092720)	250.13994 (12092720)
242.25311 (12090321)	242.35799 (12081104)		
3610740.8 |	266.88317 (12111424)	255.14621 (12092720)	248.36209 (12092720)
240.50909 (12090321)	249.82668 (12081104)		
3610731.9 |	256.03830 (12111424)	256.50405 (12092720)	248.54741 (12090321)
240.50695 (12081104)	256.11013 (12081104)		
3610722.9 |	257.38073 (12092720)	256.50376 (12092720)	248.11020 (12090321)
249.23358 (12081104)	260.92555 (12081104)		
3610713.9 |	260.77821 (12092720)	255.12352 (12092720)	246.59586 (12090321)
256.72451 (12081104)	264.23000 (12081104)		
3610705.0 |	262.73140 (12092720)	254.45788 (12090321)	247.49142 (12081104)
262.87234 (12081104)	266.01071 (12081104)		
3610696.0 |	263.33948 (12092720)	254.33670 (12090321)	256.28192 (12081104)
267.60100 (12081104)	266.06355 (12081104)		
3610687.1 |	262.48456 (12092720)	252.93509 (12090321)	263.80152 (12081104)
270.64375 (12081104)	264.44869 (12081104)		
3610678.1 |	260.93852 (12090321)	254.84074 (12081104)	269.94404 (12081104)
271.98711 (12081104)	261.26087 (12081104)		

3610669.1 |	261.08911 (12090321)	263.83092 (12081104)	274.48546 (12081104)
271.65687 (12081104)	271.56084 (12050622)		
3610660.2 |	259.88876 (12090321)	271.44348 (12081104)	277.30338 (12081104)
269.49881 (12081104)	280.04536 (12050622)		
3610651.2 |	262.77902 (12081104)	277.49102 (12081104)	278.24165 (12081104)
271.55654 (12050622)	284.17908 (12050622)		
3610642.3 |	271.90478 (12081104)	281.88431 (12081104)	277.40206 (12081104)
282.28516 (12050622)	283.78367 (12050622)		
3610633.3 |	279.46367 (12081104)	284.36207 (12081104)	274.71227 (12081104)
288.74000 (12050622)	286.30870 (12092324)		
3610624.3 |	285.39204 (12081104)	284.91242 (12081104)	283.67384 (12050622)
290.62054 (12050622)	289.77086 (12100121)		
3610615.4	289.39591 (12081104)	283.43411 (12081104)	292.72490 (12050622)
291.62240 (12092324)	291.86818 (12100121)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491156.38	491181.68	491206.98
491232.28	491257.58		

3610794.6 |	228.32612 (12090321)	235.73509 (12081104)	244.52418 (12081104)
242.62100 (12081104)	230.85589 (12081104)		
3610785.6 |	226.97100 (12081104)	242.16033 (12081104)	247.31955 (12081104)
241.63854 (12081104)	241.17861 (12050622)		
3610776.7 |	235.46553 (12081104)	247.37616 (12081104)	248.78675 (12081104)
239.36660 (12081104)	250.11558 (12050622)		
3610767.7 |	242.96297 (12081104)	251.33941 (12081104)	248.72980 (12081104)
240.07858 (12050622)	255.81369 (12050622)		
3610758.7 |	249.29961 (12081104)	253.79851 (12081104)	247.29705 (12081104)
250.64593 (12050622)	258.20676 (12050622)		
3610749.8 |	254.40524 (12081104)	254.84442 (12081104)	244.36059 (12081104)
258.13420 (12050622)	256.91580 (12050622)		

3610740.8 |	258.00856 (12081104)	254.28808 (12081104)	250.55236 (12050622)
262.28618 (12050622)	259.84743 (12092324)		
3610731.9 |	260.16716 (12081104)	252.28701 (12081104)	259.91708 (12050622)
262.75650 (12050622)	262.46590 (12100121)		
3610722.9 |	260.66939 (12081104)	249.43525 (12050622)	265.83395 (12050622)
263.78386 (12092324)	265.58440 (12100121)		
3610713.9 |	259.64224 (12081104)	260.74084 (12050622)	268.09468 (12050622)
265.70593 (12100121)	266.09475 (12100121)		
3610705.0 |	256.94955 (12081104)	268.75090 (12050622)	267.60865 (12092324)
269.67189 (12100121)	264.06565 (12100121)		
3610696.0 |	260.62977 (12050622)	272.94680 (12050622)	269.97011 (12092324)
271.06819 (12100121)	259.54115 (12100121)		
3610687.1 |	270.72348 (12050622)	273.07204 (12050622)	273.67054 (12100121)
269.81883 (12100121)	252.64920 (12100121)		
3610678.1 |	276.89344 (12050622)	274.84380 (12092324)	275.90108 (12100121)
265.73057 (12100121)	243.59355 (12100121)		
3610669.1 |	278.98649 (12050622)	277.66438 (12100121)	275.38474 (12100121)
259.13115 (12100121)	232.54777 (12100121)		
3610660.2 |	279.18564 (12092324)	280.69038 (12100121)	272.10851 (12100121)
250.11658 (12100121)	236.59687 (10121318)		
3610651.2 |	281.22410 (12100121)	280.87003 (12100121)	266.05837 (12100121)
239.34644 (12100121)	250.02163 (12100224)		
3610642.3 |	285.11262 (12100121)	278.06115 (12100121)	257.42147 (12100121)
241.11042 (10121318)	264.46112 (12100224)		
3610633.3 |	286.05748 (12100121)	272.43216 (12100121)	246.64866 (12100121)
256.20303 (12100224)	275.39066 (12100224)		
3610624.3 |	283.98853 (12100121)	264.24465 (12100121)	246.10095 (10121318)
270.74964 (12100224)	282.26561 (12100224)		
3610615.4	279.15003 (12100121)	253.64297 (12100121)	262.72686 (12100224)
281.55458 (12100224)	284.73951 (12100224)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***
 INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491282.88	491308.18 491333.48

491358.78

491384.08

3610794.6 | 248.58896 (12050622) 248.20569 (12050622) 249.19669 (12100121)
248.02705 (12100121) 236.53158 (12100121)
3610785.6 | 252.69740 (12050622) 250.22682 (12092324) 252.17690 (12100121)
245.97333 (12100121) 230.28689 (12100121)
3610776.7 | 253.33170 (12050622) 251.77726 (12100121) 252.94273 (12100121)
242.04238 (12100121) 222.31489 (12100121)
3610767.7 | 253.65522 (12092324) 255.62555 (12100121) 251.44966 (12100121)
236.08892 (12100121) 212.74083 (12100121)
3610758.7 | 255.39730 (12092324) 257.20619 (12100121) 247.72804 (12100121)
228.38991 (12100121) 212.28078 (10121318)
3610749.8 | 258.98477 (12100121) 256.32955 (12100121) 241.88122 (12100121)
218.95035 (12100121) 216.94015 (10121318)
3610740.8 | 261.30911 (12100121) 253.12087 (12100121) 234.18465 (12100121)
216.06305 (10121318) 222.64723 (12100224)
3610731.9 | 261.09962 (12100121) 247.66615 (12100121) 224.74506 (12100121)
220.75796 (10121318) 236.37297 (12100224)
3610722.9 | 258.45578 (12100121) 240.12356 (12100121) 219.67300 (10121318)
227.83569 (12100224) 247.65117 (12100224)
3610713.9 | 253.55379 (12100121) 230.71344 (12100121) 224.50793 (10121318)
241.81220 (12100224) 255.86377 (12100224)
3610705.0 | 246.41785 (12100121) 223.22603 (10121318) 233.09109 (12100224)
253.06025 (12100224) 260.63516 (12100224)
3610696.0 | 237.25782 (12100121) 228.20414 (10121318) 247.07541 (12100224)
261.18480 (12100224) 261.63001 (12100224)
3610687.1 | 227.51428 (10121318) 238.31297 (12100224) 258.14424 (12100224)
265.57201 (12100224) 259.19027 (12100224)
3610678.1 | 232.46593 (10121318) 252.51934 (12100224) 265.90470 (12100224)
266.14439 (12100224) 253.42863 (12100224)
3610669.1 | 244.06279 (12100224) 263.63511 (12100224) 269.87345 (12100224)
262.89668 (12100224) 244.39064 (12100224)
3610660.2 | 258.15522 (12100224) 271.00701 (12100224) 269.87096 (12100224)
255.90246 (12100224) 232.50962 (12100224)
3610651.2 | 269.18046 (12100224) 274.52121 (12100224) 266.03353 (12100224)
245.83570 (12100224) 234.00700 (12051520)
3610642.3 | 276.37949 (12100224) 274.01459 (12100224) 258.33955 (12100224)
232.94200 (12100224) 239.46521 (12051520)
3610633.3 | 279.39818 (12100224) 269.29250 (12100224) 247.39486 (12100224)
239.95559 (12051520) 242.53662 (12051520)
3610624.3 | 278.21345 (12100224) 260.72998 (12100224) 239.63531 (12051520)
244.76352 (12051520) 243.06218 (12051520)
3610615.4 | 272.66519 (12100224) 248.65488 (12100224) 245.98298 (12051520)
246.96485 (12051520) 245.47417 (12080801)

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
(METERS) | 491409.38

3610794.6	216.59234 (12100121)
3610785.6	207.09381 (12100121)
3610776.7	208.81980 (10121318)
3610767.7	213.45910 (10121318)
3610758.7	217.73450 (12100224)
3610749.8	231.56032 (12100224)
3610740.8	242.99350 (12100224)
3610731.9	251.52722 (12100224)
3610722.9	256.77582 (12100224)
3610713.9	258.38980 (12100224)
3610705.0	256.32073 (12100224)
3610696.0	250.81486 (12100224)
3610687.1	242.26214 (12100224)
3610678.1	231.05021 (12100224)
3610669.1	227.32061 (12051520)
3610660.2	233.68420 (12051520)
3610651.2	237.63761 (12051520)
3610642.3	239.23767 (12051520)
3610633.3	239.87176 (12080801)
3610624.3	241.34802 (12080801)
3610615.4	240.41217 (12080801)

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*** AERMET - VERSION 22112 ***
*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	490964.36	491047.56	490985.16	X-COORD (METERS)	491005.96
---------------------	-----------	-----------	-----------	------------------	-----------

3610598.0 |	280.22540 (12090321)	283.93508 (12081104)	293.73821 (12081104)
292.57056 (12081104)	288.16838 (12050622)		
3610584.7 |	281.50744 (12081104)	295.42756 (12081104)	298.28865 (12081104)
289.97971 (12081104)	302.54914 (12050622)		
3610571.5 |	295.57226 (12081104)	302.62098 (12081104)	298.07808 (12081104)
304.21870 (12050622)	305.54999 (12050622)		
3610558.3 |	305.60520 (12081104)	305.03054 (12081104)	303.95511 (12050622)
311.95445 (12050622)	308.98796 (12100121)		
3610545.1 |	310.84910 (12081104)	302.41381 (12081104)	316.67273 (12050622)
313.56757 (12092324)	312.31388 (12100121)		
3610531.9 |	310.95401 (12081104)	319.72810 (12050622)	318.64061 (12092324)
317.78478 (12100121)	307.44564 (12100121)		
3610518.7 |	320.77942 (12050622)	324.62235 (12050622)	322.89642 (12100121)
315.10318 (12100121)	294.76565 (12100121)		
3610505.5 |	331.57186 (12050622)	327.40643 (12100121)	322.43965 (12100121)
304.09522 (12100121)	303.88410 (12100224)		
3610492.3 |	333.08615 (12092324)	329.31360 (12100121)	313.02814 (12100121)
307.60780 (12100224)	326.60120 (12100224)		
3610479.1 |	335.89562 (12100121)	321.88506 (12100121)	311.12280 (12100224)
331.94511 (12100224)	335.92309 (12100224)		
3610465.9 |	331.01142 (12100121)	314.74293 (12100224)	337.34803 (12100224)
342.25803 (12100224)	330.41095 (12100224)		
3610452.6 |	318.67539 (12100224)	342.90231 (12100224)	349.05725 (12100224)
336.97759 (12100224)	310.64101 (12100224)		
3610439.4 |	348.68030 (12100224)	355.70867 (12100224)	344.09796 (12100224)
316.46392 (12051520)	316.65331 (12051520)		
3610426.2 |	363.31753 (12100224)	350.77759 (12100224)	324.42502 (12051520)
323.24928 (12051520)	314.11003 (12080801)		
3610413.0 |	360.00797 (12100224)	332.35096 (12051520)	330.08876 (12051520)
319.33179 (12080801)	317.20605 (12062722)		
3610399.8 |	344.25824 (12051520)	337.56659 (12051520)	324.56775 (12080801)
326.80082 (12062722)	327.81525 (12062722)		
3610386.6 |	349.51672 (12051520)	331.36265 (12080801)	336.21827 (12062722)
334.82115 (12062722)	326.01064 (12062722)		
3610373.4 |	347.81497 (12062722)	348.26446 (12062722)	341.45503 (12062722)
336.63634 (10061621)	342.45305 (10061621)		

3610360.2 |	362.37781 (12062722)	351.07183 (12062722)	350.91064 (10061621)
353.07450 (10061621)	348.51262 (10061621)		
3610347.0 |	365.20140 (10061621)	367.14432 (10061621)	362.42463 (10061621)
353.87140 (10061621)	340.09705 (10061621)		
3610333.8	383.65790 (10061621)	373.56324 (10061621)	357.60071 (10061621)
339.83477 (10061621)	332.12347 (11010918)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491068.36	491089.16	491109.96
491130.76	491151.56		

3610598.0 |	299.60895 (12050622)	296.72686 (12092324)	296.89014 (12100121)
287.23870 (12100121)	267.46509 (12100121)		
3610584.7 |	300.97136 (12092324)	301.39525 (12100121)	293.78392 (12100121)
275.75052 (12100121)	259.98241 (12100224)		
3610571.5 |	305.47696 (12100121)	300.21082 (12100121)	283.66866 (12100121)
262.29643 (12100224)	286.05002 (12100224)		
3610558.3 |	306.46669 (12100121)	291.72280 (12100121)	267.36068 (12100121)
289.46128 (12100224)	302.83153 (12100224)		
3610545.1 |	299.60527 (12100121)	276.43982 (12100121)	293.11474 (12100224)
307.39123 (12100224)	308.50833 (12100224)		
3610531.9 |	285.45276 (12100121)	296.62903 (12100224)	312.07831 (12100224)
313.61122 (12100224)	302.15085 (12100224)		
3610518.7 |	300.01429 (12100224)	316.71050 (12100224)	318.99774 (12100224)
307.28806 (12100224)	284.56682 (12100224)		
3610505.5 |	321.48838 (12100224)	324.39187 (12100224)	312.90880 (12100224)
289.29784 (12100224)	286.05713 (12051520)		
3610492.3 |	329.90396 (12100224)	318.38384 (12100224)	294.37913 (12100224)
291.68686 (12051520)	288.12772 (12051520)		
3610479.1 |	324.09279 (12100224)	299.40400 (12100224)	297.57629 (12051520)
292.94093 (12051520)	288.17234 (12080801)		

3610465.9	|	304.79901 (12100224)	303.58380 (12051520)	297.94036 (12051520)
292.32558	(12080801)	287.78581 (12062722)		
3610452.6	|	309.94526 (12051520)	303.15529 (12080801)	296.31992 (12080801)
296.25132	(12062722)	298.53317 (12062722)		
3610439.4	|	308.62359 (12080801)	300.27595 (12080801)	304.24068 (12062722)
304.98301	(12062722)	299.46376 (12062722)		
3610426.2	|	307.30109 (12062722)	312.21620 (12062722)	310.66470 (12062722)
303.38145	(12062722)	301.17796 (10061621)		
3610413.0	|	320.26142 (12062722)	316.23827 (12062722)	306.34785 (12062722)
312.94171	(10061621)	315.77376 (10061621)		
3610399.8	|	321.47346 (12062722)	317.78229 (10061621)	323.46542 (10061621)
323.52495	(10061621)	318.43310 (10061621)		
3610386.6	|	330.65068 (10061621)	333.12223 (10061621)	329.86326 (10061621)
321.76096	(10061621)	309.87630 (10061621)		
3610373.4	|	341.52898 (10061621)	334.94075 (10061621)	323.68630 (10061621)
308.95063	(10061621)	299.89812 (10083120)		
3610360.2	|	338.45466 (10061621)	324.05984 (10061621)	309.65223 (10083120)
310.19124	(11010918)	313.58869 (11010918)		
3610347.0	|	322.64215 (10061621)	320.80357 (11010918)	324.03056 (11010918)
323.63698	(11010918)	319.90061 (11010918)		
3610333.8		335.56229 (11010918)	334.75425 (11010918)	330.32443 (11010918)
322.95955	(11010918)	313.10064 (11010918)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491234.76	491172.36
491255.56	491193.16
	491213.96

3610598.0	|	257.53617 (12100224)	278.75286 (12100224)	289.64052 (12100224)
289.22698	(12100224)	278.26577 (12100224)		
3610584.7	|	282.38473 (12100224)	293.73928 (12100224)	293.68187 (12100224)
282.74517	(12100224)	262.49750 (12100224)		

3610571.5 |	298.28727 (12100224)	298.28784 (12100224)	287.16554 (12100224)
266.83442 (12100224)	259.62989 (12051520)		
3610558.3 |	303.37585 (12100224)	291.85462 (12100224)	270.73964 (12100224)
264.83754 (12051520)	264.97087 (12051520)		
3610545.1 |	296.91769 (12100224)	275.16804 (12100224)	269.66850 (12051520)
269.61597 (12051520)	267.41433 (12080801)		
3610531.9 |	279.83468 (12100224)	274.89745 (12051520)	273.84882 (12051520)
271.71304 (12080801)	266.35566 (12080801)		
3610518.7 |	280.44112 (12051520)	278.51185 (12051520)	275.71562 (12080801)
269.49196 (12080801)	263.81375 (12062722)		
3610505.5 |	283.27028 (12051520)	279.92925 (12080801)	272.57184 (12080801)
270.93780 (12062722)	274.83691 (12062722)		
3610492.3 |	284.05923 (12080801)	275.58799 (12080801)	278.10476 (12062722)
280.09765 (12062722)	277.58003 (12062722)		
3610479.1 |	279.31555 (12062722)	285.11984 (12062722)	285.47106 (12062722)
280.82920 (12062722)	272.12655 (12062722)		
3610465.9 |	291.94374 (12062722)	290.52161 (12062722)	284.11209 (12062722)
274.56110 (10061621)	282.85926 (10061621)		
3610452.6 |	295.20302 (12062722)	286.77804 (12062722)	286.21359 (10061621)
291.97218 (10061621)	293.14630 (10061621)		
3610439.4 |	288.99854 (12062722)	296.95176 (10061621)	300.20591 (10061621)
298.92838 (10061621)	293.49324 (10061621)		
3610426.2 |	306.87470 (10061621)	307.45430 (10061621)	303.48483 (10061621)
295.77702 (10061621)	284.86261 (10061621)		
3610413.0 |	313.53895 (10061621)	306.82617 (10061621)	296.63693 (10061621)
283.83495 (10061621)	271.99364 (10083120)		
3610399.8 |	309.01567 (10061621)	296.36573 (10061621)	281.51985 (10061621)
281.80891 (10083120)	282.27825 (11010918)		
3610386.6 |	294.80416 (10061621)	290.43542 (10083120)	291.12353 (11010918)
294.30636 (11010918)	294.43629 (11010918)		
3610373.4 |	300.39831 (11010918)	303.50203 (11010918)	303.54722 (11010918)
300.57587 (11010918)	295.19633 (11010918)		
3610360.2 |	313.31623 (11010918)	309.88875 (11010918)	303.81458 (11010918)
295.56251 (11010918)	285.72402 (11010918)		
3610347.0 |	313.19051 (11010918)	304.15945 (11010918)	293.20430 (11010918)
280.92804 (11010918)	267.98062 (11010918)		
3610333.8	301.31739 (11010918)	288.04046 (11010918)	273.75570 (11010918)
253.78781 (10092319)	242.92498 (10092319)		

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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***
 INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491276.36		491297.16	491317.96
	491338.76	491359.56		

3610598.0 |	258.47560 (12100224)	249.91794 (12051520)	252.21307 (12051520)
250.79733 (12080801)	250.18427 (12080801)		
3610584.7 |	254.71521 (12051520)	256.26270 (12051520)	254.73435 (12080801)
253.20026 (12080801)	247.79731 (12080801)		
3610571.5 |	260.66596 (12051520)	258.87748 (12080801)	256.27213 (12080801)
249.88022 (12080801)	243.65328 (12062722)		
3610558.3 |	263.18596 (12080801)	259.63019 (12080801)	251.98668 (12080801)
249.58883 (12062722)	254.30752 (12062722)		
3610545.1 |	263.09548 (12080801)	254.43614 (12080801)	255.73622 (12062722)
258.96356 (12062722)	258.14237 (12062722)		
3610531.9 |	256.86239 (12080801)	262.18926 (12062722)	263.81503 (12062722)
261.47440 (12062722)	255.39599 (12062722)		
3610518.7 |	268.62995 (12062722)	268.74375 (12062722)	264.54704 (12062722)
256.90232 (12062722)	251.13129 (10061621)		
3610505.5 |	273.34494 (12062722)	267.65024 (12062722)	258.14749 (12062722)
260.04829 (10061621)	268.18172 (10061621)		
3610492.3 |	270.08144 (12062722)	261.75490 (10061621)	269.59074 (10061621)
273.40086 (10061621)	275.12439 (10061621)		
3610479.1 |	272.66481 (10061621)	278.51324 (10061621)	280.13962 (10061621)
277.82331 (10061621)	273.28073 (10061621)		
3610465.9 |	286.36713 (10061621)	285.78012 (10061621)	281.43978 (10061621)
273.97366 (10061621)	264.49450 (10061621)		
3610452.6 |	290.19319 (10061621)	283.80852 (10061621)	274.47080 (10061621)
262.97164 (10061621)	250.29049 (10061621)		
3610439.4 |	284.93022 (10061621)	273.84136 (10061621)	260.82637 (10061621)
257.55623 (10083120)	258.70495 (10083120)		
3610426.2 |	272.07922 (10061621)	264.75575 (10083120)	266.04117 (10083120)
266.47735 (11010918)	269.58741 (11010918)		
3610413.0 |	273.74692 (10083120)	274.33980 (11010918)	277.50016 (11010918)
278.05539 (11010918)	275.98784 (11010918)		
3610399.8 |	285.71354 (11010918)	286.13888 (11010918)	283.88997 (11010918)
279.51204 (11010918)	272.96620 (11010918)		
3610386.6 |	292.03001 (11010918)	287.21322 (11010918)	280.30053 (11010918)
271.89482 (11010918)	261.94418 (11010918)		
3610373.4 |	287.82373 (11010918)	278.74236 (11010918)	268.36059 (11010918)
256.98746 (11010918)	244.88191 (11010918)		
3610360.2 |	274.53888 (11010918)	262.52040 (11010918)	249.94528 (11010918)
233.45997 (10092319)	223.65673 (10092319)		

3610347.0 | 254.33434 (11010918) 238.25531 (10092319) 228.21768 (10092319)
201.69761 (10100221) 199.91812 (11031120)
3610333.8 | 231.94951 (10092319) 209.43712 (11031120) 206.40939 (11031120)
204.09515 (11031120) 201.05571 (11031120)

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*** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG2 ***
INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
(METERS) | 491380.36

3610598.0 | 245.15007 (12080801)
3610584.7 | 238.56937 (12080801)
3610571.5 | 249.33392 (12062722)
3610558.3 | 254.82756 (12062722)
3610545.1 | 253.57803 (12062722)
3610531.9 | 245.99522 (12062722)
3610518.7 | 258.41013 (10061621)
3610505.5 | 269.30286 (10061621)
3610492.3 | 270.92182 (10061621)
3610479.1 | 264.86447 (10061621)
3610465.9 | 252.77754 (10061621)
3610452.6 | 250.55929 (10083120)
3610439.4 | 258.66909 (11010918)
3610426.2 | 269.70197 (11010918)
3610413.0 | 271.18563 (11010918)
3610399.8 | 264.83406 (11010918)
3610386.6 | 251.42911 (11010918)
3610373.4 | 228.50516 (10092319)
3610360.2 | 197.19972 (10100221)
3610347.0 | 197.59427 (11031120)
3610333.8 | 197.12734 (11031120)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)	X-COORD (METERS)
491360.32	491376.93
491410.15	491426.76

3610184.5 |	190.88253 (12011918)	188.83382 (12011918)	186.69429 (12011918)
183.82663 (12011918)	181.65640 (12011918)		
3610142.8 |	192.01693 (10040819)	190.08644 (10040819)	188.07883 (10040819)
186.15315 (10040819)	183.76438 (10040819)		
3610101.2 |	191.01260 (10090920)	188.85142 (10090920)	186.91390 (10090920)
185.22169 (10090920)	182.81690 (10090920)		
3610059.6 |	187.35055 (12100222)	182.39387 (10041020)	179.07967 (10041020)
176.13647 (10041020)	172.99248 (10041020)		
3610018.0 |	224.72535 (12100222)	221.94228 (12100222)	218.88703 (12100222)
215.62440 (12100222)	211.99393 (12100222)		
3609976.4 |	202.94610 (10091421)	198.05821 (10091421)	196.68781 (12052723)
200.88974 (12052723)	204.23063 (12052723)		
3609934.8 |	218.31561 (11031222)	214.09815 (11031222)	206.98148 (11031222)
197.21219 (11031222)	191.77166 (10091421)		
3609893.2 |	203.29622 (10083001)	207.07448 (10083001)	206.86486 (10083001)
202.98294 (10083001)	203.56969 (10062123)		
3609851.6 |	216.77201 (12081905)	216.06292 (12081905)	212.99653 (12081905)
207.22477 (12081905)	199.87469 (12081905)		
3609810.0 |	172.37475 (12022020)	171.79945 (12081905)	183.12336 (12110419)
192.02157 (12110419)	195.85421 (12110419)		
3609768.4 |	198.11911 (12100219)	196.34649 (11051224)	192.15157 (11051224)
184.69592 (12022020)	175.05045 (12022020)		
3609726.7 |	184.59865 (11011719)	191.04069 (11011719)	190.30599 (11011719)
189.64569 (12100219)	188.49940 (12100219)		
3609685.1 |	180.29508 (10100820)	181.74072 (10100820)	181.17371 (10100820)
178.91316 (10100820)	174.40811 (10100820)		
3609643.5 |	175.30706 (12032322)	172.46058 (12081404)	175.92812 (12081404)
172.85317 (12081404)	169.72530 (10100820)		

3609601.9 |	163.57619 (12032322)	169.91899 (12032322)	171.84744 (12032322)
169.34253 (12032322)	162.70119 (12032322)		
3609560.3 |	176.82473 (12093024)	174.65565 (12093024)	166.59216 (12093024)
154.48407 (11070901)	158.60360 (12032322)		
3609518.7 |	165.19256 (12110320)	162.07768 (12110320)	163.13863 (12093024)
167.64701 (12093024)	166.61056 (12093024)		
3609477.1 |	158.00590 (12080902)	164.52738 (10081902)	162.11245 (10081902)
157.49741 (12110320)	154.48125 (12110320)		
3609435.5 |	170.56915 (10103019)	157.52447 (10103019)	150.66272 (12080902)
151.37311 (10081902)	156.12448 (10081902)		
3609393.9 |	182.14877 (10103019)	177.42779 (10103019)	169.36129 (10103019)
158.34828 (10103019)	145.12658 (10103019)		
3609352.2	183.47095 (10032621)	178.63101 (11121418)	175.93784 (10103019)
172.90965 (10103019)	166.75214 (10103019)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491443.37	491459.98	491476.59
491493.20	491509.81		

3610184.5 |	179.77565 (12011918)	178.84363 (12011918)	177.58952 (12011918)
175.96058 (12011918)	173.45554 (12011918)		
3610142.8 |	181.62043 (10040819)	180.07905 (10040819)	178.97284 (10040819)
178.31975 (10040819)	175.50469 (10040819)		
3610101.2 |	180.07314 (10090920)	177.91596 (10090920)	176.52561 (10090920)
175.37526 (10090920)	172.80501 (10090920)		
3610059.6 |	170.05237 (10041020)	166.32375 (10041020)	163.17385 (10041020)
162.88749 (10090920)	163.13357 (10090920)		
3610018.0 |	208.05147 (12100222)	204.07355 (12100222)	199.65569 (12100222)
194.84133 (12100222)	190.30729 (12100222)		
3609976.4 |	206.41176 (12052723)	207.67465 (12052723)	207.30618 (12052723)
205.95313 (12052723)	203.70147 (12052723)		

3609934.8 |	191.08681 (10091421)	189.78403 (10091421)	187.91958 (10091421)
185.31705 (10091421)	182.49640 (10091421)		
3609893.2 |	202.50178 (10062123)	199.48163 (10062123)	195.63033 (11031222)
195.37148 (11031222)	192.27729 (11031222)		
3609851.6 |	191.26485 (12081905)	181.70943 (12081905)	183.51713 (10083001)
186.82705 (10083001)	187.04526 (10083001)		
3609810.0 |	198.07512 (12081905)	199.49371 (12081905)	198.68984 (12081905)
196.20794 (12081905)	191.84622 (12081905)		
3609768.4 |	163.56462 (12022020)	154.30424 (10111420)	161.29381 (12081905)
170.81322 (12110419)	177.26340 (12110419)		
3609726.7 |	184.21528 (12100219)	182.46222 (11051224)	178.84409 (12022020)
172.94678 (12022020)	164.56614 (12022020)		
3609685.1 |	177.31326 (11011719)	179.37915 (11011719)	176.55785 (12100219)
177.12038 (12100219)	174.91342 (12100219)		
3609643.5 |	170.90660 (10100820)	170.55003 (10100820)	168.35225 (10100820)
164.61322 (10100820)	163.15211 (11011719)		
3609601.9 |	162.95006 (12081404)	165.00458 (12081404)	161.22594 (12081404)
159.60378 (10100820)	161.22164 (10100820)		
3609560.3 |	162.48585 (12032322)	162.48104 (12032322)	158.79011 (12032322)
151.84299 (12032322)	154.20420 (12081404)		
3609518.7 |	160.49164 (12093024)	150.19337 (12093024)	148.00142 (12032322)
153.34376 (12032322)	155.02442 (12032322)		
3609477.1 |	153.76710 (12093024)	158.65226 (12093024)	158.68868 (12093024)
154.19536 (12093024)	145.63876 (12093024)		
3609435.5 |	153.07291 (10081902)	149.97600 (12110320)	147.26937 (12110320)
144.94181 (12093024)	150.09476 (12093024)		
3609393.9 |	143.47377 (12080902)	144.62349 (10081902)	147.85799 (10081902)
144.21562 (10081902)	142.96028 (12110320)		
3609352.2	157.66835 (10103019)	146.23126 (10103019)	137.68536 (12120819)
136.02520 (12080902)	138.05354 (10081902)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491526.42	491543.03 491559.64

491576.25

491592.86

3610184.5 | 171.20678 (12011918) 169.42520 (12011918) 168.11191 (12011918)
166.82370 (12011918) 165.55774 (12011918)
3610142.8 | 173.30523 (10040819) 172.09134 (10040819) 170.70235 (10040819)
168.92564 (10040819) 167.15893 (10040819)
3610101.2 | 170.44051 (10090920) 167.67987 (10090920) 166.12111 (10090920)
164.37390 (10090920) 162.42967 (10090920)
3610059.6 | 162.56351 (10090920) 161.13979 (10090920) 160.40891 (10090920)
159.61198 (10090920) 158.55470 (10090920)
3610018.0 | 185.85616 (12100222) 181.29790 (12100222) 176.00504 (12100222)
170.89068 (12100222) 165.75908 (12100222)
3609976.4 | 201.22795 (12052723) 198.23750 (12052723) 195.50454 (12100222)
193.68312 (12100222) 191.95774 (12100222)
3609934.8 | 179.28013 (10091421) 175.71985 (10091421) 171.63594 (10091421)
172.58519 (12052723) 175.31449 (12052723)
3609893.2 | 187.06144 (11031222) 180.05207 (11031222) 172.44852 (11031223)
171.54132 (10091421) 170.84022 (10091421)
3609851.6 | 184.22064 (10083001) 183.57560 (10062123) 183.25786 (10062123)
181.42762 (10062123) 178.06228 (10062123)
3609810.0 | 185.83213 (12081905) 178.60468 (12081905) 170.40581 (12081905)
163.02471 (11031620) 164.64602 (10083001)
3609768.4 | 179.39429 (12110419) 181.23550 (12081905) 182.34751 (12081905)
182.05346 (12081905) 180.27947 (12081905)
3609726.7 | 154.65353 (12022020) 144.20696 (10030220) 143.15507 (10111420)
150.68576 (12110419) 158.67766 (12110419)
3609685.1 | 171.10350 (12022020) 170.52403 (12022020) 167.39941 (12022020)
162.31550 (12022020) 155.42075 (12022020)
3609643.5 | 167.60556 (11011719) 167.14872 (11011719) 166.54371 (12100219)
166.33533 (12100219) 163.81895 (12100219)
3609601.9 | 161.17240 (10100820) 159.51785 (10100820) 156.68856 (10100820)
152.50692 (10100820) 156.41557 (11011719)
3609560.3 | 155.19617 (12081404) 151.16069 (12081404) 151.11568 (10100820)
152.34469 (10100820) 152.41514 (10100820)
3609518.7 | 153.37355 (12032322) 148.80375 (12032322) 142.81930 (10062221)
145.81302 (12081404) 145.68240 (12081404)
3609477.1 | 139.45681 (11070901) 143.63832 (12032322) 146.82840 (12032322)
147.07469 (12032322) 144.17448 (12032322)
3609435.5 | 150.74512 (12093024) 147.23334 (12093024) 140.38209 (12093024)
132.52329 (12022820) 133.86412 (12032322)
3609393.9 | 140.43086 (12110320) 136.55155 (12093024) 141.37781 (12093024)
142.83187 (12093024) 140.83646 (12093024)
3609352.2 | 140.27162 (10081902) 136.49960 (10081902) 136.20179 (12110320)
133.56406 (12110320) 129.37624 (12083101)

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*** AERMET - VERSION 22112 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491609.47	491626.08	491642.69
	491659.30	491675.91	

3610184.5 |	163.61762 (12011918)	161.69456 (12011918)	160.47330 (12011918)
158.57844 (12011918)	156.47206 (12011918)		
3610142.8 |	165.60351 (10040819)	164.26226 (10040819)	162.72871 (10040819)
160.79600 (10040819)	158.67145 (10040819)		
3610101.2 |	160.28615 (10090920)	158.15023 (10090920)	156.43472 (10090920)
154.31669 (10090920)	152.00457 (10090920)		
3610059.6 |	157.43694 (10090920)	156.46429 (10090920)	156.26510 (10090920)
155.41521 (10090920)	153.89561 (10090920)		
3610018.0 |	160.42928 (12100222)	155.79667 (10041020)	154.59595 (10041020)
152.65745 (10041020)	150.43636 (10041020)		
3609976.4 |	189.88842 (12100222)	187.27214 (12100222)	184.14768 (12100222)
180.78710 (12100222)	177.67689 (12100222)		
3609934.8 |	177.23229 (12052723)	178.36272 (12052723)	178.73864 (12052723)
178.59276 (12052723)	177.58724 (12052723)		
3609893.2 |	169.23589 (10091421)	167.44555 (10091421)	165.05687 (10091421)
162.77897 (10091421)	160.20021 (10091421)		
3609851.6 |	174.31610 (11031222)	174.11306 (11031222)	171.88280 (11031222)
168.09095 (11031222)	162.80984 (11031222)		
3609810.0 |	167.66722 (10083001)	168.35932 (10083001)	166.68836 (10083001)
165.21732 (10062123)	165.88326 (10062123)		
3609768.4 |	176.95988 (12081905)	172.43867 (12081905)	167.46524 (12081905)
161.03638 (12081905)	153.72502 (12081905)		
3609726.7 |	163.43847 (12110419)	165.40521 (12081905)	167.84254 (12081905)
168.95537 (12081905)	168.79234 (12081905)		
3609685.1 |	147.06322 (12022020)	137.44821 (12022020)	132.98743 (10111420)
135.37076 (12081905)	142.49414 (12110419)		
3609643.5 |	161.66649 (12022020)	160.90899 (12022020)	158.16292 (12022020)
153.62943 (12022020)	147.37327 (12022020)		
3609601.9 |	158.01048 (11011719)	155.72114 (12100219)	156.74231 (12100219)
155.88501 (12100219)	153.46336 (12100219)		

3609560.3	|	150.89744 (10100820)	148.38332 (10100820)	144.82146 (10100820)
145.18764	(11011719)	148.19657 (11011719)		
3609518.7	|	141.53505 (12081404)	142.63185 (10100820)	143.91715 (10100820)
143.71992	(10100820)	142.08425 (10100820)		
3609477.1	|	139.04983 (12032322)	134.22633 (10062221)	137.07486 (12081404)
136.43262	(12081404)	132.14118 (12081404)		
3609435.5	|	137.55744 (12032322)	138.81644 (12032322)	138.17401 (12032322)
135.01044	(12032322)	129.91194 (12032322)		
3609393.9	|	135.30979 (12093024)	127.29686 (12022820)	125.28990 (11070901)
129.33090	(12032322)	131.78297 (12032322)		
3609352.2		133.88627 (12093024)	135.63713 (12093024)	133.92000 (12093024)
129.80710	(12093024)	123.29569 (12093024)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491692.52	

3610184.5	|	155.28875 (12011918)
3610142.8	|	156.76066 (10040819)
3610101.2	|	149.70637 (10090920)
3610059.6	|	151.50812 (10090920)
3610018.0	|	147.26828 (10041020)
3609976.4	|	174.15504 (12100222)
3609934.8	|	176.35693 (12052723)
3609893.2	|	157.13216 (10091421)
3609851.6	|	157.56111 (11031223)
3609810.0	|	165.21762 (10062123)
3609768.4	|	149.63483 (11031620)
3609726.7	|	167.21624 (12081905)
3609685.1	|	148.35354 (12110419)
3609643.5	|	140.03817 (12022020)
3609601.9	|	152.47855 (12022020)

3609560.3 | 147.45092 (11011719)
 3609518.7 | 140.29721 (10100820)
 3609477.1 | 133.69635 (10100820)
 3609435.5 | 126.44191 (12081404)
 3609393.9 | 132.14391 (12032322)
 3609352.2 | 120.15094 (12022820)

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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***
 INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
491164.27	3610233.74	275.81903	(10110918)	491278.96
3610288.22	220.47113	(12062422)		
491317.19	3610288.22	219.44317	(10091321)	491355.42
3610288.22	217.87934	(10091321)		
491393.65	3610342.70	195.94241	(11031120)	491431.88
3610342.70	190.23402	(11070121)		
491470.11	3610342.70	187.72210	(11070121)	491508.34
3610342.70	184.22970	(11070121)		
491546.57	3610342.70	179.82474	(11070121)	491584.80
3610342.70	175.67663	(11070121)		
491623.03	3610342.70	171.97110	(12062422)	491508.34
3610397.18	200.37066	(10092319)		
491546.57	3610397.18	175.21149	(10100221)	491584.80
3610397.18	170.38705	(11031120)		
491623.03	3610397.18	166.79586	(11031120)	491508.34
3610451.66	250.92950	(11010918)		
491546.57	3610451.66	241.32037	(11010918)	491584.80
3610451.66	228.48592	(11010918)		
491623.03	3610451.66	213.33923	(11010918)	491508.34
3610506.14	224.33476	(12081921)		
491546.57	3610506.14	225.82084	(10083120)	491584.80
3610506.14	226.48895	(10083120)		

491623.03	3610506.14	230.71822	(11010918)	491508.34
3610560.62	245.58938	(10061621)		
491546.57	3610560.62	244.03183	(10061621)	491584.80
3610560.62	234.60834	(10061621)		
491623.03	3610560.62	219.66197	(10061621)	491087.81
3610615.10	294.40845	(12050622)		
491126.04	3610615.10	292.60298	(12100121)	491508.34
3610615.10	235.04974	(12062722)		
491546.57	3610615.10	225.58133	(12062722)	491584.80
3610615.10	212.18752	(12040721)		
491623.03	3610615.10	223.66449	(10061621)	491087.81
3610669.58	274.93044	(12081104)		
491126.04	3610669.58	266.45003	(12050622)	491508.34
3610669.58	221.09614	(12071923)		
491546.57	3610669.58	210.11491	(12062722)	491584.80
3610669.58	220.25795	(12062722)		
491623.03	3610669.58	220.60528	(12062722)	491546.57
3610724.06	218.61495	(12051520)		
491584.80	3610724.06	211.54239	(12071923)	491623.03
3610724.06	204.64202	(12071923)		
491546.57	3610778.54	226.85610	(12100224)	491584.80
3610778.54	196.60376	(12051520)		
491623.03	3610778.54	204.43530	(12051520)	490934.89
3610833.02	261.33180	(12100320)		
490973.12	3610833.02	267.98710	(12090520)	491011.35
3610833.02	288.67577	(12081904)		
491049.58	3610833.02	280.94297	(12081904)	491087.81
3610833.02	265.62519	(12111424)		
491126.04	3610833.02	237.10776	(12092720)	491164.27
3610833.02	228.62311	(12090321)		
491202.50	3610833.02	215.45722	(12081104)	491240.73
3610833.02	233.66858	(12081104)		
491278.96	3610833.02	230.23424	(12081104)	491317.19
3610833.02	236.65727	(12050622)		
491355.42	3610833.02	239.68930	(12092324)	491393.65
3610833.02	242.63785	(12100121)		
491431.88	3610833.02	230.33070	(12100121)	491470.11
3610833.02	199.43248	(12100121)		
491508.34	3610833.02	202.25623	(10121318)	491546.57
3610833.02	222.78038	(12100224)		
491584.80	3610833.02	233.04120	(12100224)	491623.03
3610833.02	220.20373	(12100224)		
490934.89	3610887.50	237.06513	(12100320)	490973.12
3610887.50	251.14962	(12100320)		
491011.35	3610887.50	258.56855	(12090520)	491049.58
3610887.50	279.81308	(12081904)		
491087.81	3610887.50	270.04738	(12081904)	491126.04
3610887.50	258.87198	(12111424)		
491164.27	3610887.50	226.43838	(12092720)	491202.50
3610887.50	223.49096	(12092720)		

491240.73	3610887.50	206.65346	(12090321)	491278.96
3610887.50	214.07946	(12081104)		
491317.19	3610887.50	219.60949	(12081104)	491355.42
3610887.50	206.35782	(12050622)		
491393.65	3610887.50	232.34792	(12050622)	491431.88
3610887.50	231.32503	(12092324)		
491470.11	3610887.50	231.64904	(12100121)	491508.34
3610887.50	215.00508	(12100121)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	186.01347	(11041620)	491584.80
3610887.50	192.93192	(10121318)		
491623.03	3610887.50	208.79790	(12100224)	490858.43
3610941.98	269.05502	(12122818)		
490896.66	3610941.98	264.33700	(12110519)	490934.89
3610941.98	214.73727	(12091003)		
490973.12	3610941.98	236.02017	(12100320)	491011.35
3610941.98	238.92839	(12100320)		
491049.58	3610941.98	247.52720	(12090520)	491087.81
3610941.98	272.30297	(12081904)		
491126.04	3610941.98	261.01051	(12081904)	491164.27
3610941.98	252.10708	(12111424)		
491202.50	3610941.98	215.60324	(12092720)	491240.73
3610941.98	217.08754	(12092720)		
491278.96	3610941.98	200.46688	(12080703)	491317.19
3610941.98	194.27637	(10120117)		
491355.42	3610941.98	206.26118	(12092202)	491393.65
3610941.98	199.14892	(12081104)		
491431.88	3610941.98	211.79694	(12050622)	491470.11
3610941.98	223.28067	(12050622)		

491508.34	3610941.98	219.97032	(12092324)	491546.57
3610941.98	218.65106	(12100121)		
491584.80	3610941.98	199.07789	(12100121)	491623.03
3610941.98	176.20746	(11041620)		
490858.43	3610996.46	257.16410	(12122818)	490896.66
3610996.46	247.78738	(12122818)		
490934.89	3610996.46	243.33899	(12110519)	490973.12
3610996.46	207.34892	(12091003)		
491011.35	3610996.46	233.30860	(12100320)	491049.58
3610996.46	226.73643	(12100320)		
491087.81	3610996.46	237.81972	(12083006)	491126.04
3610996.46	264.81760	(12081904)		
491164.27	3610996.46	251.42007	(12081904)	491202.50
3610996.46	245.03126	(12111424)		
491240.73	3610996.46	207.34724	(12112520)	491278.96
3610996.46	211.24871	(12092720)		
491317.19	3610996.46	196.09319	(12092720)	491355.42
3610996.46	184.66447	(12080703)		
491393.65	3610996.46	197.51804	(12092202)	491431.88
3610996.46	189.72873	(10081822)		
491470.11	3610996.46	181.52951	(12050622)	491508.34
3610996.46	210.10224	(12050622)		
491546.57	3610996.46	210.91941	(12092324)	491584.80
3610996.46	210.14036	(12100121)		
491623.03	3610996.46	204.93032	(12100121)	490858.43
3611050.94	232.26982	(12122818)		
490896.66	3611050.94	251.28591	(12122818)	490934.89
3611050.94	247.96202	(12110519)		
490973.12	3611050.94	211.28425	(12110519)	491011.35
3611050.94	206.18666	(12100320)		
491049.58	3611050.94	228.34824	(12100320)	491087.81
3611050.94	224.09998	(12083006)		
491126.04	3611050.94	227.58110	(12083006)	491164.27
3611050.94	257.07878	(12081904)		
491202.50	3611050.94	242.67236	(12111424)	491240.73
3611050.94	239.11709	(12111424)		
491278.96	3611050.94	202.77321	(12112520)	491317.19
3611050.94	204.12702	(12092720)		
491355.42	3611050.94	193.42199	(12092720)	491393.65
3611050.94	181.26803	(12080703)		
491431.88	3611050.94	183.04333	(12092202)	491470.11
3611050.94	188.08192	(12092202)		
491508.34	3611050.94	177.78078	(10081822)	491546.57
3611050.94	186.39837	(12050622)		
491584.80	3611050.94	203.65518	(12050622)	491623.03
3611050.94	202.64748	(12092324)		
490858.43	3611105.42	219.74911	(12092101)	490896.66
3611105.42	241.54929	(12122818)		
490934.89	3611105.42	233.18538	(12122818)	490973.12
3611105.42	235.41236	(12110519)		

491011.35	3611105.42	187.31874	(12050523)	491049.58
3611105.42	209.63207	(12100320)		
491087.81	3611105.42	221.89077	(12100320)	491126.04
3611105.42	221.68154	(12083006)		
491164.27	3611105.42	217.13157	(12083006)	491202.50
3611105.42	250.27180	(12081904)		
491240.73	3611105.42	235.15063	(12111424)	491278.96
3611105.42	232.98555	(12111424)		
491317.19	3611105.42	197.12459	(12112520)	491355.42
3611105.42	196.24225	(12092720)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***
 INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491393.65	3611105.42	189.51952	(12092720)	491431.88
3611105.42	175.66458	(12080703)		
491470.11	3611105.42	166.44663	(10082621)	491508.34
3611105.42	180.98378	(12092202)		
491546.57	3611105.42	171.53448	(10081822)	491584.80
3611105.42	162.97963	(10081822)		
491623.03	3611105.42	186.13046	(12050622)	490858.43
3611159.90	224.74038	(12092101)		
490896.66	3611159.90	220.51541	(12122818)	490934.89
3611159.90	237.37619	(12122818)		
490973.12	3611159.90	233.42197	(12110519)	491011.35
3611159.90	212.03990	(12110519)		
491049.58	3611159.90	177.29512	(12100320)	491087.81
3611159.90	209.19582	(12100320)		
491126.04	3611159.90	212.78461	(12100320)	491164.27
3611159.90	218.31081	(12083006)		
491202.50	3611159.90	211.79387	(12081904)	491240.73
3611159.90	242.23576	(12081904)		

491278.96	3611159.90	226.65198	(12111424)	491317.19
3611159.90	226.19941	(12111424)		
491355.42	3611159.90	192.64491	(12121722)	491393.65
3611159.90	187.29773	(12092720)		
491431.88	3611159.90	184.16469	(12092720)	491470.11
3611159.90	168.48664	(12080703)		
491508.34	3611159.90	158.46108	(12080703)	491546.57
3611159.90	169.46970	(12092202)		
491584.80	3611159.90	169.71529	(12092202)	491623.03
3611159.90	159.41703	(10081822)		
490858.43	3611214.38	218.42397	(12092101)	490896.66
3611214.38	202.71016	(12081322)		
490934.89	3611214.38	228.85543	(12122818)	490973.12
3611214.38	221.17897	(12122818)		
491011.35	3611214.38	228.65187	(12110519)	491049.58
3611214.38	181.81851	(12050523)		
491087.81	3611214.38	181.75697	(12100320)	491126.04
3611214.38	206.52205	(12100320)		
491164.27	3611214.38	201.83873	(12100320)	491202.50
3611214.38	212.63239	(12083006)		
491240.73	3611214.38	207.26642	(12081904)	491278.96
3611214.38	233.65872	(12081904)		
491317.19	3611214.38	217.88875	(12111424)	491355.42
3611214.38	218.23086	(12111424)		
491393.65	3611214.38	188.00791	(12121722)	491431.88
3611214.38	177.84425	(12092720)		
491470.11	3611214.38	177.57420	(12092720)	491508.34
3611214.38	162.68664	(12092720)		
491546.57	3611214.38	154.88214	(12080703)	491584.80
3611214.38	154.00517	(12092202)		
491623.03	3611214.38	163.81953	(12092202)	490858.43
3611268.86	203.18144	(12092101)		
490896.66	3611268.86	207.68659	(12092101)	490934.89
3611268.86	209.57268	(12122818)		
490973.12	3611268.86	225.02471	(12122818)	491011.35
3611268.86	218.98954	(12110519)		
491049.58	3611268.86	209.70708	(12110519)	491087.81
3611268.86	168.84690	(12050523)		
491126.04	3611268.86	183.86492	(12100320)	491164.27
3611268.86	200.65502	(12100320)		
491202.50	3611268.86	189.23498	(12100320)	491240.73
3611268.86	205.51935	(12083006)		
491278.96	3611268.86	201.58014	(12081904)	491317.19
3611268.86	225.27891	(12081904)		
491355.42	3611268.86	209.25171	(12111424)	491393.65
3611268.86	211.33663	(12111424)		
491431.88	3611268.86	182.91589	(12121722)	491470.11
3611268.86	167.91320	(12092720)		
491508.34	3611268.86	170.75574	(12092720)	491546.57
3611268.86	159.17930	(12092720)		

491584.80	3611268.86	149.48708	(12080703)	491623.03
3611268.86	141.25800	(10082621)		
490858.43	3611323.34	199.36984	(12092402)	490896.66
3611323.34	207.50199	(12092101)		
490934.89	3611323.34	185.57219	(12081322)	490973.12
3611323.34	216.87298	(12122818)		
491011.35	3611323.34	209.56117	(12122818)	491049.58
3611323.34	216.81131	(12110519)		
491087.81	3611323.34	182.90782	(12110519)	491126.04
3611323.34	158.96730	(11090723)		
491164.27	3611323.34	183.28246	(12100320)	491202.50
3611323.34	192.67660	(12100320)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	184.34362	(12083006)	491278.96
3611323.34	197.28393	(12083006)		
491317.19	3611323.34	196.61532	(12081904)	491355.42
3611323.34	216.61977	(12081904)		
491393.65	3611323.34	200.72053	(12111424)	491431.88
3611323.34	203.19069	(12111424)		
491470.11	3611323.34	177.14134	(12121722)	491508.34
3611323.34	158.45143	(12112520)		
491546.57	3611323.34	162.96372	(12092720)	491584.80
3611323.34	154.54951	(12092720)		
491623.03	3611323.34	142.95664	(12080703)	491583.40
3608705.27	99.13999	(10041621)		
491577.37	3608727.37	101.83973	(11011818)	491573.36
3608753.50	106.40246	(11011818)		
491562.30	3608782.64	110.50068	(11011818)	491565.32
3608775.60	109.55103	(11011818)		

491547.23	3608819.81	115.20464	(11011818)	491545.22
3608840.91	117.36163 (10041421)			
491533.16	3608877.09	123.38916	(10041421)	491524.12
3608898.19	126.45682 (10041421)			
491522.11	3608915.27	128.14254	(10041421)	491520.10
3608925.32	128.84001 (10041421)			
491511.06	3608945.41	130.75092	(12090124)	491507.04
3608961.49	133.33503 (12090124)			
491499.00	3608982.59	136.22938	(12090124)	491498.00
3608992.64	138.00147 (12100301)			
491490.96	3609007.71	140.67501	(12100301)	491484.93
3609030.82	144.63113 (12100301)			
491478.91	3609048.91	146.91597	(12100301)	491470.87
3609072.02	148.77642 (12100301)			
491461.82	3609094.12	149.74641	(12100301)	491450.77
3609114.22	150.91823 (12100301)			
491449.77	3609129.29	151.68642	(11042620)	491443.74
3609145.37	155.22770 (11042620)			
491439.72	3609164.46	158.89772	(11042620)	491434.69
3609178.52	160.97631 (11042620)			
491424.65	3609198.62	163.54978	(11042620)	491418.62
3609216.71	165.07122 (10091221)			
491414.60	3609231.78	167.59102	(10091221)	491409.57
3609244.84	169.26440 (10091221)			
491398.52	3609273.98	175.40912	(10032621)	491397.52
3609289.05	177.60148 (10032621)			
491388.47	3609312.16	179.38837	(10032621)	491383.45
3609329.24	178.70766 (10032621)			
491377.42	3609354.36	178.33644	(11121418)	491374.41
3609371.44	179.31156 (10103019)			
491361.34	3609405.61	180.86772	(10103019)	491355.32
3609423.69	178.86510 (10103019)			
491340.24	3609470.92	163.29047	(10103019)	491324.17
3609526.18	175.29356 (10081902)			
491329.19	3609504.08	163.82151	(12080902)	491314.12
3609546.28	176.55485 (10081902)			
491302.06	3609575.42	175.21449	(12110320)	491296.03
3609594.51	177.93826 (12093024)			
491286.99	3609618.62	190.50359	(12093024)	491279.96
3609632.69	192.72325 (12093024)			
491274.93	3609648.77	188.82249	(12093024)	491269.91
3609666.85	177.87857 (11070901)			
491264.88	3609679.92	187.16656	(12032322)	491259.86
3609700.01	195.35814 (12032322)			
491269.76	3609874.49	222.16849	(12110419)	491098.46
3610169.21	258.43537 (10040819)			
491115.74	3610172.91	250.24860	(10040819)	491105.25
3610150.69	249.61426 (10040819)			
491109.57	3610134.65	246.43709	(11020118)	491108.33
3610125.39	248.67906 (11020118)			

491113.27	3610114.29	242.91431	(11020118)	491118.82
3610099.48	234.59477	(10041020)		
491122.52	3610087.75	264.00258	(12100222)	491127.46
3610070.47	283.64733	(12100222)		
491131.78	3610051.96	277.72278	(12052723)	491136.72
3610040.85	258.78951	(12052723)		
491138.57	3610034.07	249.77220	(10091421)	491139.80
3610021.73	253.21744	(10091421)		
491157.08	3610005.06	255.09995	(11031222)	491166.95
3609998.89	257.06320	(11031222)		
491178.68	3609984.70	253.24718	(10062123)	491174.98
3609963.10	248.49334	(10083001)		
491184.23	3609965.57	250.97007	(10083001)	491176.21
3609942.12	260.18887	(12081905)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG2 ***

INCLUDING SOURCE(S): STCK4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	252.40844	(12081905)	491179.91
3609920.53	254.78493	(12081905)		
491191.64	3609922.99	257.56043	(12081905)	491189.17
3609903.25	227.83596	(12081905)		
491198.42	3609906.95	240.96526	(12081905)	491194.72
3609882.27	213.52666	(12022020)		
491205.83	3609887.20	205.97060	(12081905)	491200.89
3609866.84	227.95815	(11051224)		
491205.83	3609849.56	229.01329	(12100219)	491212.62
3609864.99	222.09995	(12022020)		
491303.94	3609929.78	221.90056	(10083001)	491267.54
3609903.25	237.27162	(12081905)		
491277.41	3609879.18	228.65234	(12081905)	491324.31
3609896.46	211.35122	(12081905)		

491135.48	3610120.46	240.11546	(11020118)	491124.99
3610139.59	238.57275	(11020118)		
491130.55	3610141.44	235.21493	(11020118)	491142.89
3610145.14	234.54417	(10040819)		
491165.10	3610151.31	233.99161	(10040819)	491172.51
3610156.25	234.39316	(10040819)		
491183.00	3610155.01	231.31663	(10040819)	491190.40
3610158.72	230.51529	(10040819)		
491197.81	3610138.97	216.70264	(10040819)	491162.02
3610130.33	231.81919	(11020118)		
491150.91	3610113.67	233.67506	(11020118)	491164.49
3610115.52	231.34102	(11020118)		
491178.06	3610123.54	228.86190	(11020118)	491189.17
3610125.39	225.60990	(11020118)		
491197.81	3610126.63	222.97889	(11020118)	491158.93
3610084.05	246.82606	(12100222)		
491175.59	3610088.37	224.94858	(12100222)	491188.55
3610090.84	215.22558	(10041020)		
491202.13	3610096.39	211.99429	(11020118)	491252.11
3610069.86	221.68264	(12100222)		
491240.39	3610095.77	206.86911	(11020118)	491232.36
3610128.48	213.77585	(11020118)		
491220.02	3610152.55	222.25262	(10040819)	491213.85
3610179.70	218.58325	(10040819)		
491204.60	3610206.85	233.00722	(10110918)	491297.77
3610095.16	198.51997	(11020118)		
491316.29	3610102.56	198.79889	(10090920)	491271.24
3610169.21	211.71290	(10040819)		
491296.54	3610170.44	206.79115	(10040819)	491224.34
3609806.98	213.34957	(11011719)		
491232.36	3609786.00	211.41641	(10100820)	491240.39
3609769.96	207.58326	(10100820)		
491245.94	3609753.92	199.64135	(12081404)	491250.26
3609731.08	199.54795	(12081404)		
491255.20	3609716.89	192.43587	(12032322)	491354.41
3609557.94	174.89294	(12093024)		
491349.69	3609575.67	179.64582	(12093024)	491331.95
3609630.05	174.43753	(12032322)		
491310.67	3609696.25	190.75978	(12081404)	491301.22
3609737.63	196.35934	(10100820)		
491289.40	3609771.91	202.99967	(11011719)	491276.39
3609801.46	214.43503	(12100219)		
491310.67	3609805.01	208.28440	(11051224)	492077.18
3610785.74	166.56452	(12040721)		

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
490979.28	490903.38	491004.58	490928.68

3610794.6 |	294.94102 (12100320)	310.70152 (12090520)	296.29038 (12081904)
307.55861 (12081904)	271.56146 (12111424)		
3610785.6 |	295.07153 (12100320)	314.94024 (12090520)	307.08005 (12081904)
303.75997 (12081904)	270.92962 (12111424)		
3610776.7 |	302.10490 (12090520)	317.00254 (12090520)	314.94548 (12081904)
296.53854 (12081904)	267.50198 (12111424)		
3610767.7 |	312.81175 (12090520)	316.69943 (12090520)	319.37491 (12081904)
286.25895 (12081904)	261.25318 (12111424)		
3610758.7 |	321.71033 (12090520)	313.94095 (12090520)	320.00141 (12081904)
281.15077 (12111424)	260.00755 (12102718)		
3610749.8 |	328.37344 (12090520)	317.36000 (12081904)	316.65353 (12081904)
280.16291 (12111424)	265.49631 (12092720)		
3610740.8 |	332.37781 (12090520)	326.52278 (12081904)	309.37209 (12081904)
275.91974 (12111424)	272.68497 (12092720)		
3610731.9 |	333.73742 (12090520)	331.92010 (12081904)	298.60614 (12081904)
268.63158 (12111424)	277.63683 (12092720)		
3610722.9 |	332.36568 (12090520)	333.13401 (12081904)	291.41523 (12111424)
273.72831 (12102718)	279.97986 (12092720)		
3610713.9 |	328.35401 (12090520)	330.18091 (12081904)	289.76389 (12111424)
280.75951 (12092720)	281.44805 (12090321)		
3610705.0 |	338.20469 (12081904)	322.97747 (12081904)	284.64622 (12111424)
287.04199 (12092720)	283.56611 (12090321)		
3610696.0 |	344.94338 (12081904)	311.94467 (12081904)	282.35725 (12102718)
290.65755 (12092720)	282.98204 (12090321)		
3610687.1 |	347.15728 (12081904)	302.52140 (12111424)	289.19082 (12092720)
291.89304 (12090321)	279.62550 (12090321)		
3610678.1 |	344.79481 (12081904)	300.08645 (12111424)	297.03700 (12092720)
294.76277 (12090321)	273.55881 (12090321)		
3610669.1 |	337.71895 (12081904)	293.92368 (12111424)	302.03567 (12092720)
294.76950 (12090321)	271.92479 (12081104)		
3610660.2 |	326.26448 (12081904)	299.03382 (12102718)	303.82585 (12092720)
291.69345 (12090321)	281.80568 (12081104)		

3610651.2 |	314.32185 (12111424)	307.26454 (12092720)	307.04734 (12090321)
285.72085 (12090321)	289.86873 (12081104)		
3610642.3 |	311.01101 (12111424)	313.73121 (12092720)	307.74464 (12090321)
284.88021 (12081104)	295.74548 (12081104)		
3610633.3 |	309.84825 (12102718)	316.84510 (12092720)	305.11685 (12090321)
294.93767 (12081104)	298.96844 (12081104)		
3610624.3 |	318.20503 (12092720)	320.14335 (12090321)	299.15642 (12090321)
302.88419 (12081104)	299.16901 (12081104)		
3610615.4	326.85072 (12092720)	321.75663 (12090321)	299.20253 (12081104)
308.19052 (12081104)	296.03482 (12081104)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491029.88	491055.18	491080.48
491105.78	491131.08		

3610794.6 |	247.29704 (12102718)	257.55105 (12092720)	254.73409 (12090321)
239.98679 (12090321)	229.89797 (12081104)		
3610785.6 |	253.08402 (12102718)	260.27198 (12092720)	254.97982 (12090321)
233.97365 (12090321)	237.78593 (12081104)		
3610776.7 |	258.94729 (12092720)	260.70733 (12092720)	253.03728 (12090321)
230.06432 (12081104)	244.61601 (12081104)		
3610767.7 |	264.95396 (12092720)	262.97843 (12090321)	248.93547 (12090321)
238.95962 (12081104)	250.07964 (12081104)		
3610758.7 |	268.79326 (12092720)	263.72541 (12090321)	242.80962 (12090321)
246.90344 (12081104)	253.86968 (12081104)		
3610749.8 |	270.08230 (12092720)	262.19952 (12090321)	239.25965 (12081104)
253.62768 (12081104)	255.70582 (12081104)		
3610740.8 |	271.85834 (12090321)	258.28468 (12090321)	248.37316 (12081104)
258.80334 (12081104)	255.36136 (12081104)		
3610731.9 |	273.27586 (12090321)	252.14612 (12090321)	256.41454 (12081104)
262.10924 (12081104)	252.74675 (12081104)		

3610722.9	|	272.12834	(12090321)	249.16518	(12081104)	263.04005	(12081104)
263.31346		(12081104)	247.71311	(12081104)			
3610713.9	|	268.49760	(12090321)	258.53435	(12081104)	267.94566	(12081104)
262.09236		(12081104)	246.24027	(12091519)			
3610705.0	|	262.36012	(12090321)	266.63402	(12081104)	270.69856	(12081104)
258.36866		(12081104)	256.11013	(12100121)			
3610696.0	|	260.04074	(12081104)	273.13646	(12081104)	271.05810	(12081104)
252.17540		(12081104)	263.73684	(12100121)			
3610687.1	|	269.69912	(12081104)	277.57090	(12081104)	268.81668	(12081104)
260.18497		(12100121)	268.57763	(12100121)			
3610678.1	|	277.81709	(12081104)	279.68471	(12081104)	263.92544	(12081104)
268.87911		(12100121)	270.24032	(12100121)			
3610669.1	|	284.06692	(12081104)	279.14198	(12081104)	264.25416	(12100121)
274.79473		(12100121)	268.25917	(12100121)			
3610660.2	|	287.95624	(12081104)	275.75044	(12081104)	274.16971	(12100121)
277.30288		(12100121)	262.59996	(12100121)			
3610651.2	|	289.21741	(12081104)	269.48318	(12091519)	281.13565	(12100121)
276.13307		(12100121)	253.17698	(12100121)			
3610642.3	|	287.52308	(12081104)	279.59084	(12100121)	284.70139	(12100121)
270.93773		(12100121)	240.32442	(12100121)			
3610633.3	|	282.65851	(12081104)	287.84019	(12100121)	284.35465	(12100121)
261.78039		(12100121)	241.47556	(10121318)			
3610624.3	|	284.96769	(12100121)	292.50986	(12100121)	279.81334	(12100121)
248.95965		(12100121)	243.84474	(10121318)			
3610615.4		294.51712	(12100121)	293.01956	(12100121)	271.02244	(12100121)
248.47366		(10121318)	243.47585	(12083120)			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491156.38	491181.68	491206.98
		491232.28	491257.58	

3610794.6 |	241.30475 (12081104)	241.21561 (12081104)	227.88233 (12081104)
225.41675 (12100121)	235.75310 (12100121)		
3610785.6 |	245.57305 (12081104)	240.42699 (12081104)	222.04019 (12081104)
233.49304 (12100121)	239.13086 (12100121)		
3610776.7 |	248.03991 (12081104)	237.56284 (12081104)	227.89862 (12100121)
239.83489 (12100121)	239.98647 (12100121)		
3610767.7 |	248.52245 (12081104)	232.66413 (12081104)	236.78100 (12100121)
243.89959 (12100121)	238.01577 (12100121)		
3610758.7 |	246.85590 (12081104)	230.41953 (12091519)	243.94054 (12100121)
245.38350 (12100121)	233.26717 (12100121)		
3610749.8 |	243.01513 (12081104)	239.92823 (12100121)	248.81194 (12100121)
244.01605 (12100121)	225.65421 (12100121)		
3610740.8 |	236.90987 (12081104)	247.88952 (12100121)	251.04954 (12100121)
239.73186 (12100121)	215.53158 (12100121)		
3610731.9 |	243.15277 (12100121)	253.67444 (12100121)	250.33798 (12100121)
232.47733 (12100121)	207.67126 (10121318)		
3610722.9 |	252.04804 (12100121)	256.78182 (12100121)	246.49417 (12100121)
222.37386 (12100121)	212.46642 (10121318)		
3610713.9 |	258.75145 (12100121)	256.77942 (12100121)	239.56811 (12100121)
212.73001 (10121318)	215.11155 (10121318)		
3610705.0 |	262.66231 (12100121)	253.56767 (12100121)	229.64612 (12100121)
217.63337 (10121318)	215.35178 (10121318)		
3610696.0 |	263.42882 (12100121)	247.01273 (12100121)	218.08667 (10121318)
220.32453 (10121318)	213.81163 (12100224)		
3610687.1 |	260.83492 (12100121)	237.23757 (12100121)	223.09770 (10121318)
220.46947 (10121318)	215.65630 (12100224)		
3610678.1 |	254.63601 (12100121)	224.49559 (12100121)	225.75403 (10121318)
219.02401 (12100224)	214.78150 (12080721)		
3610669.1 |	245.04984 (12100121)	228.94908 (10121318)	225.70629 (10121318)
220.28930 (12100224)	215.64018 (12080721)		
3610660.2 |	232.24129 (12100121)	231.49355 (10121318)	224.44080 (12100224)
220.59146 (12080721)	214.83434 (12080721)		
3610651.2 |	234.98160 (10121318)	231.15665 (10121318)	225.15047 (12100224)
221.08727 (12080721)	212.20737 (12080721)		
3610642.3 |	237.38639 (10121318)	229.77389 (12100224)	226.55720 (12080721)
219.69707 (12080721)	215.15393 (12080801)		
3610633.3 |	236.71617 (10121318)	231.02369 (12080721)	226.51472 (12080721)
216.35417 (12080721)	221.93629 (12080801)		
3610624.3 |	235.56124 (12083120)	232.37184 (12080721)	224.48702 (12080721)
223.79044 (12080801)	227.34201 (12080801)		
3610615.4	237.58753 (12080721)	231.78231 (12080721)	225.34329 (12080801)
230.14459 (12080801)	231.08573 (12080801)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491282.88	491308.18	491333.48
	491358.78	491384.08	

3610794.6 |	234.56241 (12100121)	220.81598 (12100121)	196.49852 (12100121)
193.94158 |	(10121318)	193.26364 (10121318)	
3610785.6 |	232.10896 (12100121)	212.74570 (12100121)	194.09389 (10121318)
196.55315 |	(10121318)	192.16543 (10121318)	
3610776.7 |	226.86943 (12100121)	202.47795 (12100121)	198.50346 (10121318)
197.38480 |	(10121318)	193.86929 (12100224)	
3610767.7 |	219.08181 (12100121)	198.34350 (10121318)	201.14626 (10121318)
196.10747 |	(10121318)	195.56165 (12100224)	
3610758.7 |	208.83945 (12100121)	202.92324 (10121318)	201.74741 (10121318)
198.17515 |	(12100224)	195.18825 (12100224)	
3610749.8 |	202.82107 (10121318)	205.57516 (10121318)	200.12457 (10121318)
199.53559 |	(12100224)	192.49142 (12100224)	
3610740.8 |	207.50488 (10121318)	206.07431 (10121318)	202.36539 (12100224)
198.51354 |	(12100224)	188.03795 (12080721)	
3610731.9 |	210.15512 (10121318)	204.23207 (10121318)	203.21965 (12100224)
195.09527 |	(12100224)	186.49981 (12080721)	
3610722.9 |	210.53318 (10121318)	206.66032 (12100224)	201.65419 (12100224)
193.27674 |	(12080721)	183.76751 (10082320)	
3610713.9 |	208.80848 (12100224)	206.94786 (12100224)	199.27506 (12080721)
191.28744 |	(12080721)	188.91691 (12080801)	
3610705.0 |	211.16436 (12100224)	204.65619 (12100224)	198.31910 (12080721)
188.19570 |	(12051520)	195.07492 (12080801)	
3610696.0 |	210.93358 (12100224)	204.55099 (12080721)	195.73476 (12080721)
196.77119 |	(12080801)	200.34212 (12080801)	
3610687.1 |	210.22332 (12080721)	203.08623 (12080721)	197.85559 (12080801)
202.71746 |	(12080801)	204.60514 (12080801)	
3610678.1 |	209.84955 (12080721)	199.93373 (12080721)	204.45111 (12080801)
207.63346 |	(12080801)	207.62959 (12080801)	
3610669.1 |	207.77191 (12080721)	205.84986 (12080801)	210.05474 (12080801)
211.27416 |	(12080801)	209.08202 (12080801)	
3610660.2 |	203.84868 (12080721)	212.13819 (12080801)	214.42874 (12080801)
213.33364 |	(12080801)	208.71734 (12080801)	
3610651.2 |	213.81232 (12080801)	217.26931 (12080801)	217.34826 (12080801)
213.67502 |	(12080801)	206.22251 (12080801)	

3610642.3	|	219.73058 (12080801)	220.98791 (12080801)	218.45886 (12080801)
211.99542		(12080801)	201.56862 (12080801)	
3610633.3	|	224.23429 (12080801)	222.93271 (12080801)	217.59201 (12080801)
208.09868		(12080801)	202.04572 (12062722)	
3610624.3	|	227.08448 (12080801)	222.86825 (12080801)	214.46719 (12080801)
205.12251		(12062722)	203.21528 (12062722)	
3610615.4		227.91070 (12080801)	220.51907 (12080801)	208.98344 (12080801)
206.90817		(12062722)	202.24529 (12062722)	

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491409.38	

3610794.6	|	189.77975 (12100224)
3610785.6	|	191.87514 (12100224)
3610776.7	|	191.98264 (12100224)
3610767.7	|	189.95000 (12100224)
3610758.7	|	185.63734 (12100224)
3610749.8	|	181.73100 (10082320)
3610740.8	|	181.00077 (10082320)
3610731.9	|	181.71260 (12051520)
3610722.9	|	187.64827 (12080801)
3610713.9	|	193.24098 (12080801)
3610705.0	|	197.90239 (12080801)
3610696.0	|	201.43340 (12080801)
3610687.1	|	203.62713 (12080801)
3610678.1	|	204.24590 (12080801)
3610669.1	|	203.07907 (12080801)
3610660.2	|	199.89260 (12080801)
3610651.2	|	196.32941 (12062722)
3610642.3	|	198.85880 (12062722)
3610633.3	|	199.47595 (12062722)

3610624.3 | 197.98765 (12062722)
 3610615.4 | 194.23861 (12062722)
 *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490964.36	490985.16	491005.96
	491026.76	491047.56	

3610598.0 |	316.49521 (12081104)	304.46153 (12081104)	301.67336 (12100121)
303.04222	(12100121)	289.49431 (12100121)	
3610584.7 |	316.53269 (12081104)	305.77840 (12100121)	310.39101 (12100121)
298.97421	(12100121)	273.31716 (12100121)	
3610571.5 |	311.13713 (12091519)	317.34257 (12100121)	308.65624 (12100121)
284.29693	(12100121)	267.44120 (10121318)	
3610558.3 |	324.00839 (12100121)	318.19046 (12100121)	295.53326 (12100121)
274.50752	(12083120)	270.08914 (12083120)	
3610545.1 |	327.72436 (12100121)	307.03654 (12100121)	282.29050 (12083120)
277.92140	(12083120)	270.26807 (12080721)	
3610531.9 |	318.81509 (12100121)	290.70725 (12083120)	286.31701 (12083120)
277.75850	(12080721)	269.08948 (12080721)	
3610518.7 |	299.80358 (12083120)	295.31621 (12083120)	285.82154 (12080721)
276.16575	(12080721)	279.98961 (12080801)	
3610505.5 |	305.19794 (12083120)	294.45922 (12080721)	285.30779 (12080801)
289.39988	(12080801)	287.88868 (12080801)	
3610492.3 |	303.77536 (12080721)	296.17810 (12080801)	299.10574 (12080801)
296.07180	(12080801)	287.60365 (12080801)	
3610479.1 |	307.75407 (12080801)	309.23201 (12080801)	304.30545 (12080801)
293.72452	(12080801)	278.27035 (12080801)	
3610465.9 |	319.91169 (12080801)	312.64837 (12080801)	299.58108 (12080801)
284.55740	(12062722)	274.52953 (12062722)	
3610452.6 |	321.10830 (12080801)	305.09239 (12080801)	291.39656 (12062722)
278.19332	(12062722)	264.16305 (12040721)	

3610439.4 |	310.14328 (12080801)	297.14960 (12062722)	284.90832 (12040721)
264.73407 (12040721)	237.57834 (12062722)		
3610426.2 |	308.81677 (12040721)	289.71769 (12040721)	259.29080 (12040721)
245.76893 (10100221)	253.33523 (10100221)		
3610413.0 |	286.93992 (12040721)	266.35793 (10100221)	275.11319 (10100221)
279.20042 (10100221)	279.50852 (10100221)		
3610399.8 |	299.70256 (10100221)	304.42427 (10100221)	304.36221 (10100221)
299.72141 (10100221)	292.34525 (10100221)		
3610386.6 |	331.79199 (10100221)	325.57163 (10100221)	316.38055 (10100221)
303.45251 (10100221)	290.86806 (11031120)		
3610373.4 |	341.22937 (10100221)	324.98321 (10100221)	315.41789 (11031120)
305.63316 (11070121)	298.41753 (11070121)		
3610360.2 |	344.60146 (11070121)	334.82336 (11070121)	324.31871 (11070121)
318.43920 (10091321)	314.91664 (10091321)		
3610347.0 |	368.64725 (10091321)	360.97780 (10091321)	352.72249 (10091321)
342.92595 (10091321)	332.61097 (10091321)		
3610333.8	390.23112 (10110918)	376.19487 (10110918)	363.11002 (10110918)
349.87821 (10110918)	336.52999 (10110918)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491068.36	491089.16	491109.96
491130.76	491151.56		

3610598.0 |	262.87640 (12100121)	255.21747 (10121318)	249.54794 (12083120)
244.72685 (12080721)	239.29286 (12080721)		
3610584.7 |	261.21847 (10121318)	255.99718 (12083120)	250.49947 (12080721)
244.70075 (12080721)	239.15874 (12080801)		
3610571.5 |	262.84269 (12083120)	256.66716 (12080721)	250.24533 (12080721)
246.59700 (12080801)	250.16496 (12080801)		
3610558.3 |	263.26491 (12080721)	256.18184 (12080721)	254.34405 (12080801)
257.21787 (12080801)	256.42467 (12080801)		

3610545.1	|	262.42838	(12080721)	262.50010	(12080801)	264.57899	(12080801)
262.63081		(12080801)	256.89085	(12080801)			
3610531.9	|	270.99833	(12080801)	272.11765	(12080801)	268.90447	(12080801)
261.61068		(12080801)	250.57855	(12080801)			
3610518.7	|	279.82204	(12080801)	275.14449	(12080801)	266.21610	(12080801)
253.30899		(12080801)	247.70345	(12062722)			
3610505.5	|	281.37384	(12080801)	270.53814	(12080801)	258.61783	(12062722)
252.06880		(12062722)	242.20194	(12062722)			
3610492.3	|	274.53830	(12080801)	264.53476	(12062722)	255.82946	(12062722)
243.59980		(12062722)	228.55418	(12062722)			
3610479.1	|	269.85207	(12062722)	258.62977	(12062722)	244.01662	(12062722)
227.23793		(12040721)	207.31688	(12062722)			
3610465.9	|	260.47386	(12062722)	245.06487	(12040721)	223.55760	(12062722)
202.30482		(12062722)	201.12202	(10100221)			
3610452.6	|	242.73896	(12040721)	219.06343	(12062722)	213.85187	(10100221)
220.25386		(10100221)	224.79700	(10100221)			
3610439.4	|	228.48720	(10100221)	235.84220	(10100221)	240.22636	(10100221)
241.82427		(10100221)	241.86487	(10100221)			
3610426.2	|	257.89165	(10100221)	259.62099	(10100221)	258.50310	(10100221)
254.85405		(10100221)	250.25241	(10100221)			
3610413.0	|	277.16502	(10100221)	272.69137	(10100221)	266.02389	(10100221)
257.63790		(10100221)	248.75281	(10100221)			
3610399.8	|	283.32712	(10100221)	273.03834	(10100221)	264.22412	(11031120)
257.35916		(11031120)	249.85451	(11070121)			
3610386.6	|	282.67493	(11031120)	274.59470	(11070121)	269.62344	(11070121)
263.69834		(11070121)	256.94481	(11070121)			
3610373.4	|	290.45609	(11070121)	281.71954	(11070121)	277.74629	(10091321)
275.46603		(10091321)	272.08358	(10091321)			
3610360.2	|	310.05778	(10091321)	304.30997	(10091321)	297.92385	(10091321)
290.96345		(10091321)	283.46973	(10091321)			
3610347.0	|	321.57281	(10091321)	312.81631	(10110918)	304.18016	(10110918)
295.36672		(10110918)	286.70071	(10110918)			
3610333.8		323.51141	(10110918)	311.36262	(10110918)	299.81926	(10110918)
288.63303		(10110918)	278.03541	(10110918)			

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*** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491172.36	491193.16	X-COORD (METERS) 491213.96
---------------------	-----------	-----------	-------------------------------

491234.76	491255.56
-----------	-----------

3610598.0	|	232.03740 (12080801)	236.60695 (12080801)	238.37464 (12080801)
237.21308	(12080801)	233.05076 (12080801)		
3610584.7	|	243.26394 (12080801)	244.20548 (12080801)	242.10444 (12080801)
236.87420	(12080801)	228.37442 (12080801)		
3610571.5	|	250.27712 (12080801)	247.00250 (12080801)	240.50114 (12080801)
230.84384	(12080801)	224.50195 (12062722)		
3610558.3	|	251.99659 (12080801)	244.01977 (12080801)	232.80021 (12080801)
229.12136	(12062722)	223.53424 (12062722)		
3610545.1	|	247.42481 (12080801)	237.30253 (12062722)	233.11272 (12062722)
226.13780	(12062722)	216.25511 (12062722)		
3610531.9	|	242.72675 (12062722)	236.74337 (12062722)	227.85047 (12062722)
216.40295	(12062722)	202.51405 (12062722)		
3610518.7	|	239.85757 (12062722)	228.98929 (12062722)	215.54843 (12062722)
200.57867	(12040721)	184.32128 (12040721)		
3610505.5	|	229.26499 (12062722)	213.88801 (12062722)	197.40815 (12040721)
178.20195	(12062722)	164.73873 (10100221)		
3610492.3	|	211.49068 (12040721)	192.23665 (12062722)	173.91695 (12081921)
180.19739	(10100221)	185.09988 (10100221)		
3610479.1	|	186.75119 (12062722)	190.00271 (10100221)	195.74562 (10100221)
199.88887	(10100221)	202.13056 (10100221)		
3610465.9	|	207.26779 (10100221)	211.51921 (10100221)	213.93048 (10100221)
215.00932	(10100221)	214.28007 (10100221)		
3610452.6	|	227.08754 (10100221)	227.57478 (10100221)	226.38908 (10100221)
223.99352	(10100221)	220.49566 (10100221)		
3610439.4	|	239.89459 (10100221)	236.44402 (10100221)	231.79410 (10100221)
226.08179	(10100221)	219.86770 (10100221)		
3610426.2	|	244.12902 (10100221)	237.02794 (10100221)	229.21590 (10100221)
224.88449	(11031120)	220.57570 (11031120)		
3610413.0	|	242.54406 (11031120)	237.23373 (11031120)	231.16755 (11031120)
227.60405	(11070121)	224.49424 (11070121)		
3610399.8	|	246.38565 (11070121)	242.21576 (11070121)	237.27364 (11070121)
231.92468	(11070121)	226.61155 (11070121)		
3610386.6	|	250.33030 (11070121)	247.32028 (10091321)	245.92382 (10091321)
244.01346	(10091321)	241.70209 (10091321)		
3610373.4	|	268.52420 (10091321)	264.44298 (10091321)	259.70756 (10091321)
254.92655	(10091321)	249.80526 (10091321)		
3610360.2	|	276.20168 (10091321)	269.27629 (10110918)	263.68102 (10110918)
258.03887	(10110918)	252.16398 (10110918)		
3610347.0	|	278.44748 (10110918)	270.41040 (10110918)	262.83304 (10110918)
255.51057	(10110918)	247.99077 (10110918)		
3610333.8		267.99963 (10110918)	258.69331 (10110918)	250.07872 (10110918)
241.92697	(10110918)	237.32399 (12081824)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491276.36		491297.16	491317.96
	491338.76	491359.56		

3610598.0 |	225.77063 (12080801)	215.60978 (12080801)	213.21807 (12062722)
209.52621 |	(12062722)	203.65868 (12062722)	
3610584.7 |	219.67151 (12062722)	216.98371 (12062722)	211.84256 (12062722)
204.43293 |	(12062722)	194.96954 (12062722)	
3610571.5 |	220.52456 (12062722)	213.86035 (12062722)	204.79931 (12062722)
193.75489 |	(12062722)	181.08185 (12062722)	
3610558.3 |	215.40651 (12062722)	204.75554 (12062722)	192.18506 (12040721)
181.08269 |	(12040721)	167.38910 (12040721)	
3610545.1 |	204.07812 (12062722)	191.50850 (12040721)	178.83528 (12040721)
162.96859 |	(12040721)	150.99836 (12081921)	
3610531.9 |	188.92767 (12040721)	173.58319 (12040721)	158.03404 (12081921)
152.33441 |	(12081921)	156.54160 (10100221)	
3610518.7 |	165.81673 (12040721)	158.63081 (12081921)	163.95976 (10100221)
168.56568 |	(10100221)	170.69697 (10100221)	
3610505.5 |	171.29067 (10100221)	176.45560 (10100221)	180.55598 (10100221)
183.23985 |	(10100221)	182.28695 (10100221)	
3610492.3 |	189.40369 (10100221)	192.24951 (10100221)	193.92826 (10100221)
194.54814 |	(10100221)	191.97390 (10100221)	
3610479.1 |	203.65306 (10100221)	203.76655 (10100221)	202.93224 (10100221)
201.40985 |	(10100221)	197.67080 (10100221)	
3610465.9 |	212.80840 (10100221)	210.21969 (10100221)	206.89722 (10100221)
202.99181 |	(10100221)	197.96354 (10100221)	
3610452.6 |	216.09684 (10100221)	210.86708 (10100221)	205.29764 (10100221)
200.88033 |	(11031120)	197.79209 (11031120)	
3610439.4 |	213.53659 (11031120)	210.12208 (11031120)	206.37671 (11031120)
202.19005 |	(11031120)	198.79419 (11070121)	

3610426.2	|	215.17902	(11031120)	211.73378	(11070121)	209.38408	(11070121)
206.61442		(11070121)	203.61171	(11070121)			
3610413.0	|	220.45985	(11070121)	216.37809	(11070121)	212.10981	(11070121)
207.92058		(12062422)	205.88354	(10091321)			
3610399.8	|	223.77473	(10091321)	223.04513	(10091321)	222.06676	(10091321)
220.55634		(10091321)	219.21562	(10091321)			
3610386.6	|	238.71314	(10091321)	235.49986	(10091321)	232.25961	(10091321)
228.67807		(10091321)	225.60477	(10091321)			
3610373.4	|	244.41470	(10091321)	239.06304	(10091321)	234.35316	(10110918)
230.60404		(10110918)	227.19303	(10110918)			
3610360.2	|	246.44129	(10110918)	240.67165	(10110918)	234.99226	(10110918)
229.96889		(10110918)	225.57127	(10110918)			
3610347.0	|	241.06866	(10110918)	234.07799	(10110918)	227.45614	(10110918)
221.71733		(10110918)	216.60282	(10110918)			
3610333.8		233.91302	(12081824)	230.74988	(12081824)	227.66140	(12081824)
224.42677		(12081824)	221.34513	(12081824)			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491380.36	

3610598.0	|	195.37843	(12062722)
3610584.7	|	183.40708	(12062722)
3610571.5	|	170.06051	(12040721)
3610558.3	|	151.82102	(12040721)
3610545.1	|	145.20411	(12081921)
3610531.9	|	160.89268	(10100221)
3610518.7	|	174.15017	(10100221)
3610505.5	|	184.40607	(10100221)
3610492.3	|	191.85853	(10100221)
3610479.1	|	194.98855	(10100221)
3610465.9	|	193.26803	(10100221)

3610452.6	195.03245	(11031120)
3610439.4	197.47359	(11070121)
3610426.2	201.04773	(11070121)
3610413.0	206.98940	(10091321)
3610399.8	217.76231	(10091321)
3610386.6	221.87851	(10091321)
3610373.4	223.14953	(10110918)
3610360.2	220.45387	(10110918)
3610347.0	210.90773	(10110918)
3610333.8	218.47308	(12081824)

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491410.15	491360.32	491376.93	491393.54
	491426.76		

3610184.5	240.99126	(10041020)	235.98344	(10041020)	230.92902	(10041020)
226.00757	(10041020)	221.52811	(11082720)			
3610142.8	260.99013	(10111819)	255.11108	(10111819)	248.91767	(10111819)
242.43445	(10111819)	235.88801	(10111819)			
3610101.2	260.16497	(10091421)	254.01708	(10091421)	251.19407	(10111819)
251.87250	(10111819)	252.01102	(10111819)			
3610059.6	243.02291	(10091421)	246.87443	(10091421)	249.44472	(10091421)
250.70287	(10091421)	250.87413	(10091421)			
3610018.0	203.87329	(12081905)	193.77000	(12081905)	188.20515	(11031620)
186.89351	(10091421)	195.28617	(10091421)			
3609976.4	192.82242	(12081905)	198.18713	(12081905)	200.99551	(12081905)
201.35879	(12081905)	199.50432	(12081905)			
3609934.8	182.31832	(12022020)	174.12121	(12022020)	166.27081	(12112102)
161.22653	(12112102)	163.34497	(12081905)			
3609893.2	181.82823	(12100219)	184.06562	(12100219)	182.77154	(12100219)
178.23848	(12100219)	174.08503	(12022020)			

3609851.6 |	185.98269 (10100820)	184.56348 (10100820)	180.44644 (10100820)
173.83544 (10100820)	167.46732 (12100219)		
3609810.0 |	172.19946 (10062221)	168.06762 (10062221)	169.81991 (10100820)
173.46362 (10100820)	174.88863 (10100820)		
3609768.4 |	164.19797 (11070901)	164.15756 (12032322)	163.82464 (10062221)
164.12917 (10062221)	161.72686 (10062221)		
3609726.7 |	160.04107 (12093024)	155.96407 (12093024)	155.28784 (11070901)
156.05054 (11070901)	154.73046 (12032322)		
3609685.1 |	159.05912 (10112118)	155.94322 (10112118)	150.00513 (10112118)
152.09913 (12093024)	149.37229 (12093024)		
3609643.5 |	153.48453 (10081121)	149.67549 (10081121)	151.07435 (10112118)
151.30975 (10112118)	148.41517 (10112118)		
3609601.9 |	148.77461 (12110619)	145.93543 (12120819)	146.51943 (10081121)
145.44492 (10081121)	141.49542 (10081121)		
3609560.3 |	138.91788 (12121518)	142.41660 (12110619)	143.48803 (12110619)
140.47629 (12110619)	139.15561 (12120819)		
3609518.7 |	123.16980 (12121518)	129.09654 (12121518)	132.54280 (12121518)
134.07751 (12110619)	137.14048 (12110619)		
3609477.1 |	106.18214 (11090806)	107.75600 (12121518)	115.47423 (12121518)
121.61454 (12121518)	125.76778 (12121518)		
3609435.5 |	100.77913 (11090806)	105.53453 (11090806)	102.96175 (11090806)
100.79124 (12062523)	108.00936 (12121518)		
3609393.9 |	100.82997 (12100120)	98.58136 (12100120)	95.23350 (11090806)
100.61009 (11090806)	99.46313 (11090806)		
3609352.2	98.37446 (11092622)	98.25832 (11092622)	96.33048 (12100120)
94.44723 (12100120)	90.02196 (11090806)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491443.37	491459.98	491476.59
491493.20	491509.81		

3610184.5 |	218.56759 (11082720)	215.27073 (11082720)	212.02058 (11082720)
208.84894 (11082720)	205.91061 (11082720)		
3610142.8 |	234.04636 (10041020)	232.43226 (10041020)	230.35659 (10041020)
227.82174 (10041020)	225.79549 (10041020)		
3610101.2 |	251.53054 (10111819)	250.14277 (10111819)	247.81974 (10111819)
244.80385 (10111819)	241.78322 (10111819)		
3610059.6 |	249.90360 (10091421)	248.18615 (10091421)	245.36908 (10091421)
241.60812 (10091421)	236.92517 (10091421)		
3610018.0 |	202.88421 (10091421)	209.55956 (10091421)	215.37016 (10091421)
220.28790 (10091421)	224.09689 (10091421)		
3609976.4 |	195.46935 (12081905)	189.64650 (12081905)	181.95966 (12081905)
175.47208 (11031620)	170.99035 (11031620)		
3609934.8 |	171.61417 (12081905)	178.10074 (12081905)	182.66265 (12081905)
185.11479 (12081905)	185.65000 (12081905)		
3609893.2 |	169.88963 (12022020)	163.15884 (12022020)	154.23305 (12022020)
150.50662 (10030220)	149.13562 (10111420)		
3609851.6 |	171.51178 (12100219)	172.60092 (12100219)	170.55209 (12100219)
165.81407 (12100219)	163.09561 (12022020)		
3609810.0 |	173.83295 (10100820)	170.52698 (10100820)	165.14508 (10100820)
158.33173 (10100820)	158.83083 (12100219)		
3609768.4 |	157.15849 (10062221)	159.60410 (10100820)	163.02668 (10100820)
164.28266 (10100820)	163.53492 (10100820)		
3609726.7 |	155.62069 (12032322)	154.91671 (10062221)	154.29257 (10062221)
151.64232 (10062221)	147.05690 (10062122)		
3609685.1 |	147.96762 (12022820)	147.64640 (11070901)	146.78514 (11070901)
147.34187 (12032322)	146.42547 (12032322)		
3609643.5 |	142.93433 (10112118)	143.95865 (12093024)	142.29663 (12093024)
140.85977 (12022820)	139.18306 (11070901)		
3609601.9 |	143.71953 (10112118)	143.65599 (10112118)	141.00833 (10112118)
136.14349 (10112118)	136.26575 (12093024)		
3609560.3 |	139.45163 (10081121)	137.87250 (10081121)	134.76929 (10112118)
136.85420 (10112118)	136.65021 (10112118)		
3609518.7 |	136.54079 (12110619)	134.03458 (12120819)	132.58247 (12120819)
132.72575 (10081121)	130.67019 (10081121)		
3609477.1 |	127.49499 (12121518)	129.88220 (12110619)	131.26426 (12110619)
129.37736 (12110619)	128.19121 (12120819)		
3609435.5 |	114.35130 (12121518)	118.92483 (12121518)	121.56416 (12121518)
122.01274 (12110619)	124.98861 (12110619)		
3609393.9 |	96.54772 (12062523)	100.88148 (12121518)	107.09299 (12121518)
112.05391 (12121518)	115.43189 (12121518)		
3609352.2	95.83889 (11090806)	95.77826 (11090806)	92.00857 (12062523)
94.28626 (12121518)	100.30404 (12121518)		

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 *** 06:51:10

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491526.42	491543.03	491559.64
	491576.25	491592.86	

3610184.5 |	203.30321 (10020120)	201.22521 (10020120)	198.94085 (10020120)
196.58670 (10020120)	194.17165 (10020120)		
3610142.8 |	223.31313 (10041020)	220.27129 (10041020)	217.10468 (10041020)
213.91638 (10041020)	210.58614 (10041020)		
3610101.2 |	238.20814 (10111819)	234.35973 (10111819)	229.71181 (10111819)
224.83156 (10111819)	219.77596 (10111819)		
3610059.6 |	231.88836 (10091421)	226.59734 (10091421)	224.46486 (10111819)
225.72407 (10111819)	226.42882 (10111819)		
3610018.0 |	226.84261 (10091421)	228.60100 (10091421)	229.63388 (10091421)
229.67897 (10091421)	228.86099 (10091421)		
3609976.4 |	166.13382 (11031620)	169.76813 (10091421)	177.28430 (10091421)
184.22239 (10091421)	190.38910 (10091421)		
3609934.8 |	184.24059 (12081905)	181.03803 (12081905)	176.15405 (12081905)
169.95675 (12081905)	162.93270 (11031620)		
3609893.2 |	152.86561 (12081905)	159.44614 (12081905)	164.50643 (12081905)
168.03577 (12081905)	170.07593 (12081905)		
3609851.6 |	159.09448 (12022020)	153.07251 (12022020)	145.10928 (12022020)
140.38733 (10030220)	136.57844 (10111420)		
3609810.0 |	161.09097 (12100219)	160.81622 (12100219)	158.12579 (12100219)
153.76083 (12022020)	152.29684 (12022020)		
3609768.4 |	160.69956 (10100820)	156.03742 (10100820)	150.24442 (10100820)
146.16355 (12100219)	149.58901 (12100219)		
3609726.7 |	149.84382 (10100820)	152.82955 (10100820)	154.05564 (10100820)
153.51476 (10100820)	151.42569 (10100820)		
3609685.1 |	145.93793 (10062221)	144.85732 (10062221)	141.94307 (10062221)
138.60646 (10062122)	141.07769 (10100820)		
3609643.5 |	139.32903 (11070901)	138.80230 (12032322)	139.89379 (12032322)
137.86136 (12032322)	137.76550 (10062221)		
3609601.9 |	135.57467 (12093024)	134.37643 (12022820)	133.50215 (12022820)
132.25850 (11070901)	131.14940 (11070901)		
3609560.3 |	134.24418 (10112118)	129.81804 (10112118)	128.91906 (12093024)
128.84988 (12093024)	127.91732 (12022820)		
3609518.7 |	128.42318 (10112118)	130.12448 (10112118)	129.94318 (10112118)
127.62920 (10112118)	123.51366 (10112118)		

3609477.1 |	126.09798 (10081121)	125.88903 (10081121)	123.60138 (10081121)
122.26857 (10112118)	123.50120 (10112118)		
3609435.5 |	124.88025 (12110619)	122.40600 (12120819)	122.07538 (12120819)
119.68467 (10081121)	119.07655 (10081121)		
3609393.9 |	116.69752 (12121518)	117.91089 (12110619)	119.28259 (12110619)
118.15592 (12110619)	117.27636 (12120819)		
3609352.2	105.45565 (12121518)	109.31165 (12121518)	111.21478 (12121518)
111.19194 (12121518)	113.32301 (12110619)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491609.47	491626.08	491642.69
491659.30	491675.91		

3610184.5 |	191.91648 (10020120)	189.61908 (10020120)	187.22244 (10090920)
185.43019 (10090920)	183.64170 (10090920)		
3610142.8 |	207.06343 (10041020)	203.36802 (10041020)	199.66581 (10041020)
196.03241 (10041020)	192.38111 (10041020)		
3610101.2 |	214.59458 (10111819)	211.12345 (12100222)	207.49050 (12100222)
203.90892 (10041020)	203.22153 (10041020)		
3610059.6 |	226.52239 (10111819)	225.94554 (10111819)	224.43213 (10111819)
222.62944 (10111819)	220.59770 (10111819)		
3610018.0 |	227.31733 (10091421)	224.93819 (10091421)	221.52730 (10091421)
217.72173 (10091421)	213.44325 (10091421)		
3609976.4 |	195.84273 (10091421)	200.58174 (10091421)	204.57650 (10091421)
207.73582 (10091421)	209.90000 (10091421)		
3609934.8 |	159.47392 (11031620)	155.35828 (11031620)	150.71464 (11031620)
148.31990 (10091421)	155.22346 (10091421)		
3609893.2 |	170.30661 (12081905)	169.08344 (12081905)	166.30345 (12081905)
162.43807 (12081905)	157.47015 (12081905)		
3609851.6 |	138.24058 (10111420)	142.04597 (12081905)	147.20475 (12081905)
151.30985 (12081905)	154.19591 (12081905)		

3609810.0 |	148.82278 (12022020)	143.52646 (12022020)	136.65225 (12022020)
131.29308 (10030220)	127.98675 (10030220)		
3609768.4 |	150.81789 (12100219)	149.94122 (12100219)	147.36943 (12100219)
144.47229 (12022020)	142.83562 (12022020)		
3609726.7 |	147.81242 (10100820)	142.95608 (10100820)	137.16979 (10100820)
138.70583 (12100219)	140.96914 (12100219)		
3609685.1 |	143.78162 (10100820)	144.97830 (10100820)	144.76780 (10100820)
143.18533 (10100820)	140.27476 (10100820)		
3609643.5 |	136.26341 (10062221)	133.30614 (10062221)	130.87157 (10062122)
132.92267 (10100820)	135.22071 (10100820)		
3609601.9 |	132.38440 (12032322)	132.06824 (12032322)	130.19675 (10062221)
129.66214 (10062221)	127.87105 (10062221)		
3609560.3 |	127.48806 (12022820)	125.38091 (12022820)	124.53911 (11070901)
124.50672 (12032322)	125.39214 (12032322)		
3609518.7 |	121.69716 (12093024)	122.22979 (12093024)	121.49949 (12022820)
121.52549 (12022820)	119.81238 (12022820)		
3609477.1 |	123.08234 (10112118)	120.90457 (10112118)	117.20005 (10112118)
114.66984 (12093024)	115.44649 (12093024)		
3609435.5 |	116.36657 (10081121)	115.67368 (10112118)	116.89637 (10112118)
116.47178 (10112118)	114.58104 (10112118)		
3609393.9 |	116.16332 (12120819)	113.56590 (10081121)	112.45900 (10081121)
109.84055 (10081121)	109.90467 (10112118)		
3609352.2	113.65427 (12110619)	111.58993 (12110619)	111.71673 (12120819)
110.13851 (12120819)	107.61714 (10081121)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491692.52	

3610184.5 |	181.52455 (10090920)
3610142.8 |	188.58706 (10041020)
3610101.2 |	202.23642 (10041020)

3610059.6 | 218.45993 (10111819)
 3610018.0 | 208.99352 (10091421)
 3609976.4 | 211.29921 (10091421)
 3609934.8 | 161.59397 (10091421)
 3609893.2 | 151.50183 (12081905)
 3609851.6 | 155.81487 (12081905)
 3609810.0 | 127.08446 (10111420)
 3609768.4 | 139.53503 (12022020)
 3609726.7 | 141.34009 (12100219)
 3609685.1 | 135.93966 (10100820)
 3609643.5 | 136.40775 (10100820)
 3609601.9 | 124.76857 (10062221)
 3609560.3 | 123.88480 (12032322)
 3609518.7 | 117.75690 (11070901)
 3609477.1 | 114.73137 (12022820)
 3609435.5 | 110.86557 (10112118)
 3609393.9 | 110.75764 (10112118)
 3609352.2 | 106.07890 (10081121)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	263.37910	(10090920)	491278.96
3610288.22	240.39904	(12011918)		
491317.19	3610288.22	233.67844	(12011918)	491355.42
3610288.22	227.32218	(12011918)		
491393.65	3610342.70	211.38505	(12081824)	491431.88
3610342.70	206.84898	(12081824)		
491470.11	3610342.70	202.63314	(12081824)	491508.34
3610342.70	198.54455	(12081824)		
491546.57	3610342.70	194.37647	(12081824)	491584.80
3610342.70	189.81036	(12081824)		

491623.03	3610342.70	185.37148	(12081824)	491508.34
3610397.18	200.84651	(10091321)		
491546.57	3610397.18	195.11649	(10110918)	491584.80
3610397.18	189.95880	(10110918)		
491623.03	3610397.18	184.51618	(10110918)	491508.34
3610451.66	181.61910	(11070121)		
491546.57	3610451.66	176.70869	(11070121)	491584.80
3610451.66	172.16398	(12062422)		
491623.03	3610451.66	169.21291	(10091321)	491508.34
3610506.14	176.36060	(10100221)		
491546.57	3610506.14	170.12471	(10100221)	491584.80
3610506.14	165.22483	(11031120)		
491623.03	3610506.14	161.68350	(11031120)	491508.34
3610560.62	153.71239	(10100221)		
491546.57	3610560.62	157.31294	(10100221)	491584.80
3610560.62	158.59106	(10100221)		
491623.03	3610560.62	157.97031	(10100221)	491087.81
3610615.10	260.87300	(12100121)		
491126.04	3610615.10	245.06070	(10121318)	491508.34
3610615.10	150.67841	(12040721)		
491546.57	3610615.10	132.05090	(12081921)	491584.80
3610615.10	126.13155	(12081921)		
491623.03	3610615.10	124.18059	(10100221)	491087.81
3610669.58	268.46447	(12100121)		
491126.04	3610669.58	271.08421	(12100121)	491508.34
3610669.58	184.70073	(12062722)		
491546.57	3610669.58	173.28156	(12062722)	491584.80
3610669.58	156.37200	(12040721)		
491623.03	3610669.58	145.62590	(12040721)	491546.57
3610724.06	174.38209	(12062722)		
491584.80	3610724.06	175.52001	(12062722)	491623.03
3610724.06	171.52008	(12062722)		
491546.57	3610778.54	173.69650	(12051520)	491584.80
3610778.54	169.85356	(12080801)		
491623.03	3610778.54	163.57318	(12071923)	490934.89
3610833.02	281.72664	(12090520)		
490973.12	3610833.02	289.78080	(12090520)	491011.35
3610833.02	290.64484	(12081904)		
491049.58	3610833.02	250.06269	(12111424)	491087.81
3610833.02	247.10406	(12092720)		
491126.04	3610833.02	239.12734	(12090321)	491164.27
3610833.02	215.24190	(12081104)		
491202.50	3610833.02	230.70276	(12081104)	491240.73
3610833.02	221.46154	(12081104)		
491278.96	3610833.02	216.04822	(12100121)	491317.19
3610833.02	227.60302	(12100121)		
491355.42	3610833.02	213.56835	(12100121)	491393.65
3610833.02	181.73778	(10121318)		
491431.88	3610833.02	186.41932	(10121318)	491470.11
3610833.02	182.55119	(12100224)		

491508.34	3610833.02	178.69261	(12100224)	491546.57
3610833.02	164.23979	(10082320)		
491584.80	3610833.02	158.15874	(12051520)	491623.03
3610833.02	161.46649	(12051520)		
490934.89	3610887.50	261.30329	(12100320)	490973.12
3610887.50	273.57169	(12090520)		
491011.35	3610887.50	267.53768	(12090520)	491049.58
3610887.50	275.34741	(12081904)		
491087.81	3610887.50	240.50221	(12111424)	491126.04
3610887.50	231.93188	(12092720)		
491164.27	3610887.50	226.71823	(12090321)	491202.50
3610887.50	200.40734	(12090321)		
491240.73	3610887.50	209.70768	(12081104)	491278.96
3610887.50	212.73190	(12081104)		
491317.19	3610887.50	192.39625	(12081104)	491355.42
3610887.50	209.05409	(12100121)		
491393.65	3610887.50	214.62750	(12100121)	491431.88
3610887.50	197.58548	(12100121)		
491470.11	3610887.50	171.35839	(10121318)	491508.34
3610887.50	176.18624	(10121318)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	171.63786	(12100224)	491584.80
3610887.50	170.97866	(12100224)		
491623.03	3610887.50	158.98613	(12100224)	490858.43
3610941.98	289.49721	(12122818)		
490896.66	3610941.98	255.66228	(12110519)	490934.89
3610941.98	236.15044	(12091003)		
490973.12	3610941.98	254.19605	(12100320)	491011.35
3610941.98	262.02859	(12090520)		

491049.58	3610941.98	256.67914	(12081904)	491087.81
3610941.98	262.27435	(12081904)		
491126.04	3610941.98	232.27900	(12111424)	491164.27
3610941.98	216.96357	(12092720)		
491202.50	3610941.98	217.13508	(12092720)	491240.73
3610941.98	194.84720	(12090321)		
491278.96	3610941.98	188.69579	(10082621)	491317.19
3610941.98	197.46632	(12081104)		
491355.42	3610941.98	189.27557	(12081104)	491393.65
3610941.98	183.51723	(12100121)		
491431.88	3610941.98	201.26047	(12100121)	491470.11
3610941.98	201.55939	(12100121)		
491508.34	3610941.98	181.41573	(12100121)	491546.57
3610941.98	161.70056	(10121318)		
491584.80	3610941.98	166.31361	(10121318)	491623.03
3610941.98	160.97751	(12100224)		
490858.43	3610996.46	259.51216	(12122818)	490896.66
3610996.46	254.44384	(12122818)		
490934.89	3610996.46	232.13206	(12110519)	490973.12
3610996.46	217.07330	(12091003)		
491011.35	3610996.46	242.99138	(12100320)	491049.58
3610996.46	248.76405	(12090520)		
491087.81	3610996.46	248.88734	(12081904)	491126.04
3610996.46	250.20921	(12081904)		
491164.27	3610996.46	223.83702	(12111424)	491202.50
3610996.46	202.33914	(12092720)		
491240.73	3610996.46	209.60028	(12092720)	491278.96
3610996.46	186.78557	(12090321)		
491317.19	3610996.46	181.01948	(10082621)	491355.42
3610996.46	178.51814	(12081104)		
491393.65	3610996.46	179.43168	(12081104)	491431.88
3610996.46	164.18287	(12050622)		
491470.11	3610996.46	178.95519	(12100121)	491508.34
3610996.46	191.60885	(12100121)		
491546.57	3610996.46	187.82892	(12100121)	491584.80
3610996.46	165.88109	(12100121)		
491623.03	3610996.46	152.49103	(10121318)	490858.43
3611050.94	210.38335	(12122818)		
490896.66	3611050.94	262.45209	(12122818)	490934.89
3611050.94	234.36503	(12110519)		
490973.12	3611050.94	203.39567	(12091003)	491011.35
3611050.94	216.86480	(12100320)		
491049.58	3611050.94	228.29419	(12100320)	491087.81
3611050.94	233.36302	(12090520)		
491126.04	3611050.94	241.16509	(12081904)	491164.27
3611050.94	238.79840	(12081904)		
491202.50	3611050.94	216.02912	(12111424)	491240.73
3611050.94	189.01912	(12092720)		
491278.96	3611050.94	201.56625	(12092720)	491317.19
3611050.94	182.63888	(12092720)		

491355.42	3611050.94	169.71627	(10082621)	491393.65
3611050.94	167.36223	(10082621)		
491431.88	3611050.94	165.00846	(12081104)	491470.11
3611050.94	157.42024	(12081104)		
491508.34	3611050.94	158.09636	(12050622)	491546.57
3611050.94	172.83323	(12100121)		
491584.80	3611050.94	181.26101	(12100121)	491623.03
3611050.94	173.59124	(12100121)		
490858.43	3611105.42	185.15865	(12112318)	490896.66
3611105.42	239.55312	(12122818)		
490934.89	3611105.42	233.42177	(12122818)	490973.12
3611105.42	222.43531	(12110519)		
491011.35	3611105.42	192.62534	(12091003)	491049.58
3611105.42	218.21278	(12100320)		
491087.81	3611105.42	211.89726	(12100320)	491126.04
3611105.42	216.29283	(12090520)		
491164.27	3611105.42	233.82660	(12081904)	491202.50
3611105.42	228.73293	(12081904)		
491240.73	3611105.42	208.98616	(12111424)	491278.96
3611105.42	176.08104	(12092720)		
491317.19	3611105.42	192.28405	(12092720)	491355.42
3611105.42	180.32344	(12092720)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491393.65	3611105.42	160.36363	(12080703)	491431.88
3611105.42	161.46524	(10082621)		
491470.11	3611105.42	152.61433	(10120117)	491508.34
3611105.42	151.13641	(10081822)		
491546.57	3611105.42	145.07204	(12050622)	491584.80
3611105.42	150.87799	(12100121)		

491623.03	3611105.42	165.59754	(12100121)	490858.43
3611159.90	165.95017	(12080922)		
490896.66	3611159.90	199.33994	(12122818)	490934.89
3611159.90	241.58746	(12122818)		
490973.12	3611159.90	215.21118	(12110519)	491011.35
3611159.90	194.53984	(12110519)		
491049.58	3611159.90	178.18604	(12100320)	491087.81
3611159.90	213.89430	(12100320)		
491126.04	3611159.90	197.73124	(12090622)	491164.27
3611159.90	198.63245	(12090520)		
491202.50	3611159.90	226.13759	(12081904)	491240.73
3611159.90	218.27927	(12081904)		
491278.96	3611159.90	201.33384	(12111424)	491317.19
3611159.90	166.90767	(12111424)		
491355.42	3611159.90	182.00361	(12092720)	491393.65
3611159.90	176.03312	(12092720)		
491431.88	3611159.90	154.98189	(12080703)	491470.11
3611159.90	152.70759	(10082621)		
491508.34	3611159.90	145.88148	(10082621)	491546.57
3611159.90	143.65277	(10081822)		
491584.80	3611159.90	138.43704	(10081822)	491623.03
3611159.90	140.63885	(12050622)		
490858.43	3611214.38	145.11595	(12080922)	490896.66
3611214.38	175.63338	(11010418)		
490934.89	3611214.38	223.37256	(12122818)	490973.12
3611214.38	216.57525	(12122818)		
491011.35	3611214.38	212.84700	(12110519)	491049.58
3611214.38	166.50565	(11090723)		
491087.81	3611214.38	183.59893	(12100320)	491126.04
3611214.38	205.70906	(12100320)		
491164.27	3611214.38	190.08242	(12090622)	491202.50
3611214.38	189.30972	(10082121)		
491240.73	3611214.38	217.97365	(12081904)	491278.96
3611214.38	207.86201	(12081904)		
491317.19	3611214.38	193.48124	(12111424)	491355.42
3611214.38	162.62149	(12111424)		
491393.65	3611214.38	171.09844	(12092720)	491431.88
3611214.38	170.28524	(12092720)		
491470.11	3611214.38	147.95698	(12092720)	491508.34
3611214.38	142.17762	(10082621)		
491546.57	3611214.38	141.86911	(10082621)	491584.80
3611214.38	133.59276	(10081822)		
491623.03	3611214.38	133.92895	(10081822)	490858.43
3611268.86	133.22172	(10021518)		
490896.66	3611268.86	158.03760	(12080922)	490934.89
3611268.86	189.08591	(12122818)		
490973.12	3611268.86	223.98570	(12122818)	491011.35
3611268.86	196.97546	(12110519)		
491049.58	3611268.86	192.02942	(12110519)	491087.81
3611268.86	161.58641	(11090723)		

491126.04	3611268.86	185.51088	(12100320)	491164.27
3611268.86	193.65504	(12100320)		
491202.50	3611268.86	180.75493	(12090622)	491240.73
3611268.86	180.50697	(10082121)		
491278.96	3611268.86	209.10844	(12081904)	491317.19
3611268.86	197.95354	(12081904)		
491355.42	3611268.86	185.71442	(12111424)	491393.65
3611268.86	158.58794	(12111424)		
491431.88	3611268.86	160.11573	(12092720)	491470.11
3611268.86	163.25559	(12092720)		
491508.34	3611268.86	146.21242	(12092720)	491546.57
3611268.86	133.60292	(12080703)		
491584.80	3611268.86	135.19568	(10082621)	491623.03
3611268.86	126.36046	(10120117)		
490858.43	3611323.34	126.10805	(10021518)	490896.66
3611323.34	141.60220	(12080922)		
490934.89	3611323.34	166.08468	(11010418)	490973.12
3611323.34	208.63489	(12122818)		
491011.35	3611323.34	201.31216	(12122818)	491049.58
3611323.34	199.10761	(12110519)		
491087.81	3611323.34	161.96562	(12110519)	491126.04
3611323.34	152.03733	(11090723)		
491164.27	3611323.34	183.46151	(12100320)	491202.50
3611323.34	179.50143	(12100320)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***
 INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	170.34738	(12090622)	491278.96
3611323.34	171.30661	(10082121)		
491317.19	3611323.34	201.10690	(12081904)	491355.42
3611323.34	188.22493	(12081904)		

491393.65	3611323.34	178.04323	(12111424)	491431.88
3611323.34	153.76407	(12111424)		
491470.11	3611323.34	149.14551	(12092720)	491508.34
3611323.34	155.43123	(12092720)		
491546.57	3611323.34	143.07418	(12092720)	491584.80
3611323.34	128.91309	(12080703)		
491623.03	3611323.34	126.91316	(10082621)	491583.40
3608705.27	61.62851	(12091924)		
491577.37	3608727.37	62.79519	(12091924)	491573.36
3608753.50	63.27815	(12091924)		
491562.30	3608782.64	65.12573	(10092624)	491565.32
3608775.60	64.66357	(10092624)		
491547.23	3608819.81	68.24453	(10092624)	491545.22
3608840.91	69.59435	(10092624)		
491533.16	3608877.09	70.15289	(10092624)	491524.12
3608898.19	70.62679	(10092624)		
491522.11	3608915.27	69.93217	(12112407)	491520.10
3608925.32	70.81732	(12112407)		
491511.06	3608945.41	72.15983	(12112407)	491507.04
3608961.49	72.79051	(12112407)		
491499.00	3608982.59	73.63342	(12112407)	491498.00
3608992.64	73.39126	(12112407)		
491490.96	3609007.71	73.92768	(12112407)	491484.93
3609030.82	73.12029	(12100520)		
491478.91	3609048.91	74.01990	(12100520)	491470.87
3609072.02	75.56109	(10092701)		
491461.82	3609094.12	78.52889	(10092701)	491450.77
3609114.22	80.38893	(10092701)		
491449.77	3609129.29	81.91759	(10092701)	491443.74
3609145.37	83.15040	(10092701)		
491439.72	3609164.46	84.69860	(12093020)	491434.69
3609178.52	86.56980	(12093020)		
491424.65	3609198.62	88.68109	(12093020)	491418.62
3609216.71	90.57553	(12093020)		
491414.60	3609231.78	91.19227	(12093020)	491409.57
3609244.84	91.43069	(12093020)		
491398.52	3609273.98	90.81546	(10090401)	491397.52
3609289.05	91.72469	(10090401)		
491388.47	3609312.16	94.14511	(11092622)	491383.45
3609329.24	96.49651	(11092622)		
491377.42	3609354.36	98.19607	(11092622)	491374.41
3609371.44	98.18263	(12100120)		
491361.34	3609405.61	101.25058	(12100120)	491355.32
3609423.69	100.95516	(12100120)		
491340.24	3609470.92	108.74011	(11090806)	491324.17
3609526.18	111.57428	(12062523)		
491329.19	3609504.08	112.48780	(11090806)	491314.12
3609546.28	116.56098	(12121518)		
491302.06	3609575.42	128.49207	(12121518)	491296.03
3609594.51	136.64535	(12121518)		

491286.99	3609618.62	145.05091	(12121518)	491279.96
3609632.69	148.70962	(12121518)		
491274.93	3609648.77	152.28265	(12110619)	491269.91
3609666.85	159.91056	(12110619)		
491264.88	3609679.92	163.39425	(12110619)	491259.86
3609700.01	165.11475	(12110619)		
491269.76	3609874.49	188.42164	(10062221)	491098.46
3610169.21	318.76356	(10091421)		
491115.74	3610172.91	312.91470	(10111819)	491105.25
3610150.69	315.14119	(10091421)		
491109.57	3610134.65	293.40864	(10091421)	491108.33
3610125.39	271.86305	(10091421)		
491113.27	3610114.29	268.22151	(12081905)	491118.82
3610099.48	277.05329	(12081905)		
491122.52	3610087.75	268.73704	(12081905)	491127.46
3610070.47	235.02321	(12081905)		
491131.78	3610051.96	227.37178	(12022020)	491136.72
3610040.85	231.21511	(12100219)		
491138.57	3610034.07	236.25344	(12100219)	491139.80
3610021.73	237.15669	(12100219)		
491157.08	3610005.06	226.04245	(12100219)	491166.95
3609998.89	222.55026	(12100219)		
491178.68	3609984.70	222.65341	(10100820)	491174.98
3609963.10	227.31849	(10100820)		
491184.23	3609965.57	227.00051	(10100820)	491176.21
3609942.12	208.98064	(10062221)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG3 ***

INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
-----	-----	-----	-----	-----
491184.23	3609944.59	215.24267	(10100820)	491179.91
3609920.53	208.57397	(10062221)		

491191.64	3609922.99	207.18428	(10062221)	491189.17
3609903.25	199.06060	(10062221)		
491198.42	3609906.95	203.13598	(10062221)	491194.72
3609882.27	194.83097	(11070901)		
491205.83	3609887.20	194.06458	(11070901)	491200.89
3609866.84	189.36987	(12022820)		
491205.83	3609849.56	186.46838	(12093024)	491212.62
3609864.99	189.98264	(11070901)		
491303.94	3609929.78	195.61105	(12100219)	491267.54
3609903.25	202.33444	(10100820)		
491277.41	3609879.18	186.42888	(10100820)	491324.31
3609896.46	190.60065	(10100820)		
491135.48	3610120.46	273.71941	(10091421)	491124.99
3610139.59	304.56288	(10091421)		
491130.55	3610141.44	306.90045	(10091421)	491142.89
3610145.14	308.54173	(10091421)		
491165.10	3610151.31	301.73928	(10091421)	491172.51
3610156.25	296.08066	(10111819)		
491183.00	3610155.01	295.02105	(10111819)	491190.40
3610158.72	297.70898	(10111819)		
491197.81	3610138.97	295.49576	(10091421)	491162.02
3610130.33	297.28892	(10091421)		
491150.91	3610113.67	265.53926	(10091421)	491164.49
3610115.52	275.38303	(10091421)		
491178.06	3610123.54	291.26139	(10091421)	491189.17
3610125.39	293.71033	(10091421)		
491197.81	3610126.63	294.22567	(10091421)	491158.93
3610084.05	262.43011	(12081905)		
491175.59	3610088.37	249.59574	(12081905)	491188.55
3610090.84	234.75139	(11031620)		
491202.13	3610096.39	251.33727	(10091421)	491252.11
3610069.86	216.87331	(11031620)		
491240.39	3610095.77	264.95125	(10091421)	491232.36
3610128.48	287.97053	(10091421)		
491220.02	3610152.55	291.45962	(10111819)	491213.85
3610179.70	283.46872	(10111819)		
491204.60	3610206.85	272.40177	(10041020)	491297.77
3610095.16	272.15306	(10091421)		
491316.29	3610102.56	271.83136	(10091421)	491271.24
3610169.21	269.76551	(10111819)		
491296.54	3610170.44	258.29142	(10041020)	491224.34
3609806.98	183.91732	(10112118)		
491232.36	3609786.00	181.00448	(10112118)	491240.39
3609769.96	175.79540	(10112118)		
491245.94	3609753.92	173.12402	(10081121)	491250.26
3609731.08	170.62664	(10081121)		
491255.20	3609716.89	166.22356	(10081121)	491354.41
3609557.94	137.83741	(12121518)		
491349.69	3609575.67	141.32800	(12110619)	491331.95
3609630.05	153.09075	(12110619)		

491310.67	3609696.25	161.34191	(10081121)	491301.22
3609737.63	169.04112	(10112118)		
491289.40	3609771.91	168.20000	(12093024)	491276.39
3609801.46	172.74979	(12093024)		
491310.67	3609805.01	172.71099	(11070901)	492077.18
3610785.74	90.44944	(12081921)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490903.38	490928.68	490953.98
490979.28	491004.58		

3610794.6 |	259.09609 (12081904)	248.68532 (12111424)	232.75269 (12111424)
230.67684 (12092720)	229.66914 (12090321)		
3610785.6 |	256.50982 (12081904)	248.04129 (12111424)	227.15920 (12092720)
232.52832 (12092720)	230.09793 (12090321)		
3610776.7 |	252.74540 (12081904)	245.97524 (12111424)	231.56908 (12092720)
233.36075 (12092720)	229.71083 (12090321)		
3610767.7 |	253.60009 (12111424)	242.40865 (12111424)	235.09409 (12092720)
234.73937 (12090321)	228.44523 (12090321)		
3610758.7 |	254.72141 (12111424)	237.30454 (12111424)	237.59690 (12092720)
235.49857 (12090321)	226.32061 (12081104)		
3610749.8 |	254.07477 (12111424)	235.59026 (12092720)	238.96390 (12092720)
235.34358 (12090321)	236.19154 (12081104)		
3610740.8 |	251.51028 (12111424)	239.56692 (12092720)	239.89317 (12090321)
234.15832 (12090321)	244.99403 (12081104)		
3610731.9 |	247.28488 (12111424)	242.49446 (12092720)	240.84796 (12090321)
232.77913 (12081104)	252.74508 (12081104)		
3610722.9 |	241.45864 (12111424)	244.25213 (12092720)	240.84670 (12090321)
242.77147 (12081104)	259.23076 (12081104)		
3610713.9 |	243.55638 (12092720)	245.02263 (12090321)	239.94189 (12090321)
251.75448 (12081104)	264.39136 (12081104)		

3610705.0	|	247.10538 (12092720)	246.33512 (12090321)	239.25018 (12081104)
259.55431	(12081104)	268.05914 (12081104)		
3610696.0	|	249.50926 (12092720)	246.69787 (12090321)	249.56475 (12081104)
266.08156	(12081104)	270.17500 (12081104)		
3610687.1	|	250.65126 (12092720)	245.98697 (12090321)	258.79332 (12081104)
271.14075	(12081104)	270.70095 (12081104)		
3610678.1	|	251.86073 (12090321)	246.03754 (12081104)	266.75265 (12081104)
274.56389	(12081104)	269.63110 (12081104)		
3610669.1	|	252.51375 (12090321)	256.57514 (12081104)	273.28022 (12081104)
276.41126	(12081104)	266.99228 (12081104)		
3610660.2	|	252.09117 (12090321)	265.99555 (12081104)	278.24012 (12081104)
276.51864	(12081104)	262.84201 (12081104)		
3610651.2	|	253.00414 (12081104)	273.99169 (12081104)	281.46850 (12081104)
275.07381	(12081104)	261.66623 (12091519)		
3610642.3	|	263.83660 (12081104)	280.39100 (12081104)	283.01616 (12081104)
271.92209	(12081104)	265.92742 (12091519)		
3610633.3	|	273.46020 (12081104)	285.17793 (12081104)	282.79038 (12081104)
267.19213	(12081104)	269.01288 (12100121)		
3610624.3	|	281.73463 (12081104)	288.24979 (12081104)	280.79615 (12081104)
270.13780	(12091519)	278.18132 (12100121)		
3610615.4		288.46917 (12081104)	289.59369 (12081104)	277.12596 (12081104)
273.65516	(12091519)	284.68381 (12100121)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491105.78	491080.48
491029.88	491055.18
491131.08	

3610794.6	|	222.66522 (12090321)	230.99723 (12081104)	243.70997 (12081104)
245.81182	(12081104)	237.95212 (12081104)		
3610785.6	|	220.50464 (12090321)	238.70242 (12081104)	247.98805 (12081104)
246.41146	(12081104)	235.21686 (12081104)		

3610776.7	|	229.31767 (12081104)	245.38618 (12081104)	250.95049 (12081104)
245.69063		(12081104)	231.34711 (12081104)	
3610767.7	|	238.08357 (12081104)	250.78529 (12081104)	252.54578 (12081104)
243.74102		(12081104)	228.86315 (12091519)	
3610758.7	|	245.88905 (12081104)	254.86432 (12081104)	252.75099 (12081104)
240.47858		(12081104)	233.52452 (12091519)	
3610749.8	|	252.45232 (12081104)	257.61814 (12081104)	251.57196 (12081104)
236.04319		(12081104)	237.03920 (12091519)	
3610740.8	|	257.71126 (12081104)	258.85672 (12081104)	249.04227 (12081104)
237.75934		(12091519)	243.14016 (12100121)	
3610731.9	|	261.63406 (12081104)	258.63401 (12081104)	245.22095 (12081104)
241.86848		(12091519)	251.48295 (12100121)	
3610722.9	|	264.00577 (12081104)	256.96322 (12081104)	241.38553 (12091519)
244.80428		(12091519)	257.72544 (12100121)	
3610713.9	|	264.92299 (12081104)	253.88639 (12081104)	246.19886 (12091519)
253.19388		(12100121)	261.75820 (12100121)	
3610705.0	|	264.23550 (12081104)	249.47174 (12081104)	249.66785 (12091519)
260.35648		(12100121)	263.54458 (12100121)	
3610696.0	|	262.09994 (12081104)	249.91107 (12091519)	254.57531 (12100121)
265.36592		(12100121)	262.85018 (12100121)	
3610687.1	|	258.49661 (12081104)	254.02868 (12091519)	262.70570 (12100121)
267.88710		(12100121)	259.78890 (12100121)	
3610678.1	|	253.44697 (12081104)	256.83914 (12091519)	268.65901 (12100121)
267.92551		(12100121)	254.54130 (12100121)	
3610669.1	|	258.10850 (12091519)	265.00484 (12100121)	272.15587 (12100121)
265.56505		(12100121)	247.10162 (12100121)	
3610660.2	|	261.51000 (12091519)	271.96388 (12100121)	273.07931 (12100121)
260.70951		(12100121)	237.85019 (12100121)	
3610651.2	|	267.12390 (12100121)	276.41452 (12100121)	271.31251 (12100121)
253.67524		(12100121)	226.89773 (12100121)	
3610642.3	|	275.15362 (12100121)	278.28758 (12100121)	267.07791 (12100121)
244.51589		(12100121)	229.15052 (10121318)	
3610633.3	|	280.54862 (12100121)	277.35052 (12100121)	260.42113 (12100121)
233.57759		(12100121)	230.39253 (10121318)	
3610624.3	|	283.28210 (12100121)	273.71244 (12100121)	251.54546 (12100121)
233.36074		(10121318)	229.57705 (10121318)	
3610615.4		283.09344 (12100121)	267.41286 (12100121)	240.71289 (12100121)
234.65685		(10121318)	226.89355 (10121318)	

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***
 INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491156.38	491181.68	491206.98	
	491232.28	491257.58		

3610794.6 |	221.78344 (12081104)	223.49683 (12091519)	239.20983 (12100121)
245.41886 (12100121)	240.82739 (12100121)		
3610785.6 |	224.72098 (12091519)	232.30127 (12100121)	244.93989 (12100121)
246.43146 (12100121)	237.42506 (12100121)		
3610776.7 |	228.79924 (12091519)	240.62008 (12100121)	248.80265 (12100121)
245.49580 (12100121)	232.21394 (12100121)		
3610767.7 |	232.93179 (12100121)	247.24253 (12100121)	250.49497 (12100121)
242.45416 (12100121)	225.26438 (12100121)		
3610758.7 |	242.08850 (12100121)	251.78683 (12100121)	250.15816 (12100121)
237.50240 (12100121)	216.94839 (12100121)		
3610749.8 |	249.55277 (12100121)	254.30199 (12100121)	247.62111 (12100121)
230.79120 (12100121)	207.32201 (12100121)		
3610740.8 |	254.92409 (12100121)	254.52564 (12100121)	243.06177 (12100121)
222.59570 (12100121)	207.95393 (10121318)		
3610731.9 |	258.21609 (12100121)	252.64139 (12100121)	236.62114 (12100121)
213.04856 (12100121)	210.52513 (10121318)		
3610722.9 |	259.14711 (12100121)	248.61682 (12100121)	228.48888 (12100121)
211.26467 (10121318)	211.56865 (10121318)		
3610713.9 |	257.87035 (12100121)	242.49482 (12100121)	218.96649 (12100121)
214.01353 (10121318)	210.89582 (10121318)		
3610705.0 |	254.25186 (12100121)	234.62848 (12100121)	214.86266 (10121318)
215.08813 (10121318)	208.62718 (10121318)		
3610696.0 |	248.49643 (12100121)	225.15459 (12100121)	217.62711 (10121318)
214.46920 (10121318)	204.84301 (10121318)		
3610687.1 |	240.85742 (12100121)	218.58106 (10121318)	218.73637 (10121318)
212.18912 (10121318)	199.66388 (10121318)		
3610678.1 |	231.39829 (12100121)	221.45476 (10121318)	218.08677 (10121318)
208.17648 (10121318)	193.24269 (10121318)		
3610669.1 |	222.27329 (10121318)	222.60147 (10121318)	215.71146 (10121318)
202.72066 (10121318)	185.68712 (10121318)		
3610660.2 |	225.26393 (10121318)	221.84150 (10121318)	211.69440 (10121318)
195.91107 (10121318)	177.32740 (10121318)		
3610651.2 |	226.37685 (10121318)	219.29079 (10121318)	206.09459 (10121318)
188.21483 (10121318)	168.58603 (12083120)		
3610642.3 |	225.51164 (10121318)	214.96509 (10121318)	199.08797 (10121318)
179.53858 (10121318)	162.86646 (12083120)		
3610633.3 |	222.78623 (10121318)	209.07940 (10121318)	191.00312 (10121318)
172.86739 (12083120)	156.84217 (12083120)		

3610624.3 | 218.29534 (10121318) 201.87627 (10121318) 183.11301 (12083120)
 166.80903 (12083120) 130.35536 (12083120)
 3610615.4 | 212.32647 (10121318) 193.48029 (10121318) 177.01976 (12083120)
 160.43211 (12083120) 126.29331 (12083120)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
491358.78	491282.88	491308.18	491333.48
	491384.08		

3610794.6 | 226.83819 (12100121) 205.95680 (12100121) 198.49853 (10121318)
 198.15367 (10121318) 192.76182 (10121318)
 3610785.6 | 219.78311 (12100121) 197.55077 (10121318) 200.82923 (10121318)
 197.59600 (10121318) 189.80357 (10121318)
 3610776.7 | 211.30190 (12100121) 201.39925 (10121318) 201.70573 (10121318)
 195.84099 (10121318) 185.65508 (10121318)
 3610767.7 | 201.78142 (12100121) 203.89393 (10121318) 201.11578 (10121318)
 192.75694 (10121318) 180.35839 (10121318)
 3610758.7 | 204.58102 (10121318) 204.88452 (10121318) 199.09055 (10121318)
 188.52462 (10121318) 174.22234 (10121318)
 3610749.8 | 207.06514 (10121318) 204.26733 (10121318) 195.70195 (10121318)
 183.10190 (10121318) 167.24688 (10121318)
 3610740.8 | 208.08187 (10121318) 202.16451 (10121318) 191.13867 (10121318)
 176.58273 (10121318) 159.67128 (10121318)
 3610731.9 | 207.43815 (10121318) 198.65068 (10121318) 185.44670 (10121318)
 169.29134 (10121318) 151.59306 (10121318)
 3610722.9 | 205.25629 (10121318) 193.83754 (10121318) 178.78137 (10121318)
 161.39347 (10121318) 143.27996 (10121318)
 3610713.9 | 201.69572 (10121318) 187.86654 (10121318) 171.24466 (10121318)
 153.10724 (10121318) 114.62950 (11042823)
 3610705.0 | 196.78239 (10121318) 180.90032 (10121318) 163.08389 (10121318)
 144.51687 (10121318) 110.17187 (12083120)

3610696.0	|	190.66156	(10121318)	173.11357	(10121318)	154.46644	(10121318)
116.52517		(12083120)	107.00822	(12083120)			
3610687.1	|	183.50109	(10121318)	164.68430	(10121318)	145.54903	(10121318)
113.65774		(12083120)	103.36943	(12083120)			
3610678.1	|	175.29320	(10121318)	155.84188	(10121318)	120.10751	(12083120)
110.22701		(12083120)	99.30237	(12083120)			
3610669.1	|	166.49903	(10121318)	149.14286	(12083120)	116.97022	(12083120)
106.28169		(12083120)	94.84208	(12083120)			
3610660.2	|	158.67815	(12083120)	123.61583	(12083120)	113.24812	(12083120)
101.86778		(12083120)	90.05011	(12083120)			
3610651.2	|	152.99883	(12083120)	120.19034	(12083120)	109.00812	(12083120)
97.07987		(12083120)	84.97316	(12083120)			
3610642.3	|	127.02425	(12083120)	116.17372	(12083120)	104.28532	(12083120)
91.96248		(12083120)	79.69866	(12083120)			
3610633.3	|	123.29143	(12083120)	111.59424	(12083120)	99.17288	(12083120)
86.57949		(12083120)	74.30605	(12083120)			
3610624.3	|	118.94738	(12083120)	106.53622	(12083120)	93.72197	(12083120)
81.01886		(12083120)	68.85582	(12083120)			
3610615.4		114.02456	(12083120)	101.06304	(12083120)	88.01312	(12083120)
75.34488		(12083120)	63.41203	(12083120)			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|		X-COORD (METERS)
(METERS)	|	491409.38	

3610794.6	|	183.02047	(10121318)
3610785.6	|	177.98977	(10121318)
3610776.7	|	172.06050	(10121318)
3610767.7	|	165.38163	(10121318)
3610758.7	|	158.04241	(10121318)
3610749.8	|	150.32735	(10121318)
3610740.8	|	142.30803	(10121318)

3610731.9 | 113.69390 (10121318)
 3610722.9 | 108.81716 (11042823)
 3610713.9 | 103.79577 (12083120)
 3610705.0 | 100.41347 (12083120)
 3610696.0 | 96.60004 (12083120)
 3610687.1 | 92.41511 (12083120)
 3610678.1 | 87.91353 (12083120)
 3610669.1 | 83.15333 (12083120)
 3610660.2 | 78.18653 (12083120)
 3610651.2 | 73.07941 (12083120)
 3610642.3 | 67.90180 (12083120)
 3610633.3 | 62.70922 (12083120)
 3610624.3 | 57.56200 (12083120)
 3610615.4 | 52.51299 (12083120)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD (METERS)			X-COORD (METERS)
491026.76	490964.36	491047.56	490985.16
			491005.96

3610598.0 |	279.83819 (12100121)	289.73427 (12100121)	288.72592 (12100121)
277.20996	(12100121)	257.32223 (12100121)	
3610584.7 |	292.07714 (12100121)	293.58574 (12100121)	284.18365 (12100121)
265.27044	(12100121)	243.17911 (10121318)	
3610571.5 |	297.90983 (12100121)	290.69696 (12100121)	273.38496 (12100121)
248.40925	(12100121)	245.08993 (10121318)	
3610558.3 |	296.91907 (12100121)	281.22970 (12100121)	257.06681 (12100121)
249.26812	(10121318)	242.04175 (10121318)	
3610545.1 |	288.96504 (12100121)	265.81704 (12100121)	253.39189 (10121318)
246.62821	(10121318)	234.32564 (10121318)	
3610531.9 |	274.63388 (12100121)	257.66403 (10121318)	251.34212 (10121318)
239.08523	(10121318)	223.34084 (12083120)	

3610518.7	|	262.01643	(10121318)	256.12742	(10121318)	244.06773	(10121318)
228.08136		(12083120)	213.23672	(12083120)			
3610505.5	|	261.28289	(10121318)	249.16298	(10121318)	232.97923	(12083120)
217.83949		(12083120)	201.43709	(12083120)			
3610492.3	|	254.43974	(10121318)	238.00866	(12083120)	222.45323	(12083120)
205.70027		(12083120)	188.29119	(12083120)			
3610479.1	|	243.31101	(12083120)	227.27707	(12083120)	210.04742	(12083120)
192.17202		(12083120)	153.40631	(12083120)			
3610465.9	|	232.52308	(12083120)	214.62594	(12083120)	196.18002	(12083120)
156.38112		(12083120)	142.44794	(12083120)			
3610452.6	|	219.54610	(12083120)	200.35642	(12083120)	159.50812	(12083120)
144.98883		(12083120)	129.91759	(12083120)			
3610439.4	|	204.73772	(12083120)	162.67990	(12083120)	147.65422	(12083120)
131.91881		(12083120)	116.28718	(12083120)			
3610426.2	|	165.99014	(12083120)	150.27136	(12083120)	134.00580	(12083120)
117.74948		(12083120)	105.99899	(12092119)			
3610413.0	|	153.06766	(12083120)	136.05806	(12083120)	119.21050	(12083120)
115.80197		(12092119)	124.82253	(12081024)			
3610399.8	|	138.29906	(12083120)	120.72686	(12083120)	127.65392	(12081024)
141.27158		(12081024)	154.55870	(12081024)			
3610386.6	|	131.10583	(12092119)	145.49053	(12081024)	159.69753	(12081024)
173.56074		(12081024)	186.56350	(12081024)			
3610373.4	|	165.65276	(12081024)	180.50243	(12081024)	194.23866	(12081024)
207.10572		(12081024)	218.55540	(12081024)			
3610360.2	|	203.10741	(12081024)	216.77260	(12081024)	228.65890	(12081024)
239.08722		(12081024)	247.62043	(12081024)			
3610347.0	|	240.11581	(12081024)	251.00794	(12081024)	259.57913	(12081024)
266.21708		(12081024)	270.78519	(12081024)			
3610333.8		272.98653	(12081024)	279.64526	(12081024)	283.71001	(12081024)
287.92068		(10100221)	290.86037	(10100221)			

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 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491068.36	491089.16	491109.96

491130.76

491151.56

3610598.0 | 239.99830 (10121318) 237.40170 (10121318) 229.28829 (10121318)
216.77575 (10121318) 200.89774 (12083120)
3610584.7 | 241.27394 (10121318) 233.44322 (10121318) 220.88957 (10121318)
205.57881 (12083120) 191.91165 (12083120)
3610571.5 | 237.71511 (10121318) 225.20366 (10121318) 209.99764 (12083120)
196.28173 (12083120) 181.73623 (12083120)
3610558.3 | 229.72221 (10121318) 214.43314 (12083120) 200.49875 (12083120)
185.68383 (12083120) 170.63089 (12083120)
3610545.1 | 218.78635 (12083120) 204.68471 (12083120) 189.63807 (12083120)
174.20685 (12083120) 139.80896 (12083120)
3610531.9 | 208.81405 (12083120) 193.44922 (12083120) 177.70725 (12083120)
142.54581 (12083120) 130.69718 (12083120)
3610518.7 | 197.27214 (12083120) 181.09283 (12083120) 145.22460 (12083120)
133.05669 (12083120) 120.25070 (12083120)
3610505.5 | 184.58905 (12083120) 147.85057 (12083120) 135.37645 (12083120)
122.20337 (12083120) 108.85442 (12083120)
3610492.3 | 150.55265 (12083120) 137.64333 (12083120) 124.09641 (12083120)
110.37683 (12083120) 96.91325 (12083120)
3610479.1 | 139.97894 (12083120) 125.96626 (12083120) 111.83399 (12083120)
98.00620 (12083120) 84.81946 (12083120)
3610465.9 | 127.90298 (12083120) 113.28765 (12083120) 99.04936 (12083120)
87.42315 (12092119) 92.84437 (12092119)
3610452.6 | 114.77387 (12083120) 100.06897 (12083120) 94.94380 (12092119)
100.69272 (12092119) 106.13468 (12092119)
3610439.4 | 101.09839 (12083120) 103.26740 (12092119) 109.22539 (12092119)
118.95900 (12081024) 129.56159 (12081024)
3610426.2 | 112.48860 (12092119) 121.80466 (12081024) 133.30585 (12081024)
144.67162 (12081024) 155.52701 (12081024)
3610413.0 | 137.28857 (12081024) 149.41556 (12081024) 161.16325 (12081024)
172.40563 (12081024) 182.79053 (12081024)
3610399.8 | 167.24504 (12081024) 179.18237 (12081024) 190.30079 (12081024)
200.47571 (12081024) 209.48369 (12081024)
3610386.6 | 198.44723 (12081024) 209.13473 (12081024) 218.54006 (12081024)
226.57884 (12081024) 233.24045 (12081024)
3610373.4 | 228.40747 (12081024) 236.68136 (12081024) 243.29390 (12081024)
248.28668 (12081024) 252.14006 (10100221)
3610360.2 | 254.30706 (12081024) 259.12664 (12081024) 263.10557 (10100221)
267.08385 (10100221) 269.14659 (10100221)
3610347.0 | 275.12322 (10100221) 278.59622 (10100221) 279.85796 (10100221)
279.21565 (10100221) 277.58592 (11032802)
3610333.8 | 291.51206 (10100221) 289.88175 (10100221) 287.72215 (11032802)
284.09558 (11032802) 278.73977 (11032802)

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
	491234.76	491255.56	

3610598.0 |	187.43301 (12083120)	173.41994 (12083120)	137.70093 (12083120)
128.12836 |	(12083120)	117.64610 (12083120)	
3610584.7 |	177.60821 (12083120)	140.89414 (12083120)	131.11061 (12083120)
120.38591 |	(12083120)	109.06642 (12083120)	
3610571.5 |	166.95057 (12083120)	134.04017 (12083120)	123.03679 (12083120)
111.48284 |	(12083120)	99.67581 (12083120)	
3610558.3 |	136.96654 (12083120)	125.64035 (12083120)	113.74828 (12083120)
101.71075 |	(12083120)	89.75311 (12083120)	
3610545.1 |	128.20728 (12083120)	115.99516 (12083120)	103.59758 (12083120)
91.39814 |	(12083120)	79.62329 (12083120)	
3610531.9 |	118.17458 (12083120)	105.43340 (12083120)	92.89872 (12083120)
80.88034 |	(12083120)	69.56389 (12083120)	
3610518.7 |	107.20037 (12083120)	94.34227 (12083120)	82.01313 (12083120)
70.66793 |	(12010817)	73.51646 (12010817)	
3610505.5 |	95.68304 (12083120)	83.06593 (12083120)	75.05265 (12010817)
78.04929 |	(12092119)	82.50958 (12092119)	
3610492.3 |	84.00131 (12083120)	79.83692 (12010817)	84.09723 (12092119)
88.72557 |	(12092119)	93.30592 (12092119)	
3610479.1 |	85.74592 (12092119)	90.76631 (12092119)	95.61963 (12092119)
101.35115 |	(12081024)	109.60879 (12081024)	
3610465.9 |	98.10121 (12092119)	103.89935 (12081024)	112.94142 (12081024)
121.78029 |	(12081024)	130.44956 (12081024)	
3610452.6 |	116.03061 (12081024)	125.79554 (12081024)	135.31562 (12081024)
144.42723 |	(12081024)	153.03630 (12081024)	
3610439.4 |	140.00107 (12081024)	150.04061 (12081024)	159.52997 (12081024)
168.37239 |	(12081024)	176.34664 (12081024)	
3610426.2 |	165.92455 (12081024)	175.59813 (12081024)	184.38072 (12081024)
192.19013 |	(12081024)	198.76606 (12081024)	
3610413.0 |	192.33349 (12081024)	200.76208 (12081024)	207.99232 (12081024)
213.95139 |	(12081024)	218.45566 (12081024)	

3610399.8 |	217.18272 (12081024)	223.50391 (12081024)	228.41309 (12081024)
231.81349 (12081024)	236.54090 (10100221)		
3610386.6 |	238.20106 (12081024)	241.71434 (12081024)	246.22932 (10100221)
249.12409 (10100221)	250.31929 (10100221)		
3610373.4 |	256.38362 (10100221)	258.75534 (10100221)	259.48722 (10100221)
258.48380 (10100221)	257.47166 (11032802)		
3610360.2 |	269.15181 (10100221)	267.73437 (11032802)	265.96640 (11032802)
262.58003 (11032802)	257.89803 (11032802)		
3610347.0 |	274.93050 (11032802)	270.60173 (11032802)	264.78011 (11032802)
260.55325 (11070322)	259.03798 (11070322)		
3610333.8	272.47736 (11070322)	270.91869 (11070322)	268.05646 (11070322)
264.14737 (11070322)	259.40571 (11070322)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491276.36	491297.16	491317.96
491338.76	491359.56		

3610598.0 |	106.61776 (12083120)	95.44883 (12083120)	84.44316 (12083120)
73.85475 (12083120)	63.87545 (12083120)		
3610584.7 |	97.59361 (12083120)	86.26984 (12083120)	75.38358 (12083120)
65.14025 (12083120)	55.67092 (12083120)		
3610571.5 |	88.05604 (12083120)	76.86488 (12083120)	66.34551 (12083120)
58.53796 (12010817)	60.74871 (12010817)		
3610558.3 |	78.28666 (12083120)	67.49391 (12083120)	61.81478 (12010817)
64.13362 (12010817)	66.36777 (12010817)		
3610545.1 |	68.57500 (12083120)	65.42481 (12010817)	67.81690 (12010817)
70.41306 (12092119)	74.05741 (12092119)		
3610531.9 |	69.32005 (12010817)	71.85238 (12010817)	75.33011 (12092119)
79.15653 (12092119)	82.93098 (12092119)		
3610518.7 |	76.73427 (12092119)	80.78467 (12092119)	84.74457 (12092119)
88.67330 (12092119)	92.76486 (12092119)		

3610505.5 |	86.76432 (12092119)	90.93000 (12092119)	95.40137 (12081024)
102.07567 (12081024)	109.06811 (12081024)		
3610492.3 |	98.54484 (12081024)	105.92317 (12081024)	113.12110 (12081024)
120.06952 (12081024)	127.20596 (12081024)		
3610479.1 |	117.58556 (12081024)	125.34647 (12081024)	132.74410 (12081024)
139.65661 (12081024)	146.43893 (12081024)		
3610465.9 |	138.66691 (12081024)	146.44786 (12081024)	153.63961 (12081024)
160.14075 (12081024)	166.07886 (12081024)		
3610452.6 |	161.02998 (12081024)	168.33650 (12081024)	174.75459 (12081024)
180.22482 (12081024)	184.88535 (12081024)		
3610439.4 |	183.48262 (12081024)	189.62011 (12081024)	194.60185 (12081024)
199.09184 (10100221)	205.51361 (10100221)		
3610426.2 |	204.36200 (12081024)	208.59200 (12081024)	213.85694 (10100221)
219.00958 (10100221)	222.77848 (10100221)		
3610413.0 |	222.62301 (10100221)	227.68657 (10100221)	231.25013 (10100221)
233.39875 (10100221)	233.98671 (10100221)		
3610399.8 |	240.01426 (10100221)	241.78410 (10100221)	241.98780 (10100221)
241.44137 (11032802)	240.21624 (11032802)		
3610386.6 |	250.11273 (10100221)	249.37383 (11032802)	247.60796 (11032802)
244.55903 (11032802)	240.09705 (11032802)		
3610373.4 |	255.06153 (11032802)	251.23977 (11032802)	246.21481 (11032802)
240.93121 (11070322)	239.81860 (11070322)		
3610360.2 |	252.01428 (11032802)	250.12203 (11070322)	248.52411 (11070322)
245.71329 (11070322)	241.82300 (11070322)		
3610347.0 |	256.30434 (11070322)	252.81876 (11070322)	248.49459 (11070322)
243.20162 (11070322)	238.86489 (11070121)		
3610333.8	253.87908 (11070322)	250.31559 (11070121)	248.96575 (11070121)
246.48400 (11070121)	243.50679 (11070121)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491380.36	

3610598.0	54.62475	(12083120)
3610584.7	57.54168	(12010817)
3610571.5	62.81379	(12010817)
3610558.3	69.44289	(12092119)
3610545.1	77.66759	(12092119)
3610531.9	86.61009	(12092119)
3610518.7	98.23563	(12081024)
3610505.5	115.07753	(12081024)
3610492.3	133.22348	(12081024)
3610479.1	152.17409	(12081024)
3610465.9	170.94877	(12081024)
3610452.6	191.12637	(10100221)
3610439.4	210.50373	(10100221)
3610426.2	224.79419	(10100221)
3610413.0	233.07158	(11032802)
3610399.8	237.61897	(11032802)
3610386.6	234.88254	(11032802)
3610373.4	238.09770	(11070322)
3610360.2	237.67376	(11070322)
3610347.0	237.76665	(11070121)
3610333.8	240.20951	(11070121)

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***
 INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)		X-COORD (METERS)
491410.15	491360.32	491376.93
	491426.76	491393.54

3610184.5	224.08982	(12011918)	221.58499	(12011918)	219.17331	(12011918)
	217.00915	(12011918)	214.74440	(12011918)		
3610142.8	219.46277	(10040819)	217.07963	(10040819)	214.79011	(10040819)
	212.54882	(10040819)	210.50504	(10040819)		

3610101.2 |	220.62570 (10090920)	217.87731 (10090920)	215.10040 (10090920)
212.28660 (10090920)	209.69849 (10090920)		
3610059.6 |	206.30117 (10090920)	205.37588 (10090920)	204.37549 (10090920)
203.25925 (10090920)	202.15211 (10090920)		
3610018.0 |	191.27207 (10041020)	189.63096 (10041020)	187.86169 (10041020)
185.97029 (10041020)	183.99313 (10041020)		
3609976.4 |	206.60768 (10111819)	204.24356 (10111819)	201.63373 (10111819)
198.76396 (10111819)	195.61659 (10111819)		
3609934.8 |	204.89075 (10091421)	201.58835 (10091421)	197.87997 (10091421)
193.86657 (10091421)	189.47371 (10091421)		
3609893.2 |	187.09310 (10091421)	193.21228 (10091421)	194.04725 (10091421)
194.38033 (10091421)	194.20533 (10091421)		
3609851.6 |	139.31839 (10091421)	145.00324 (10091421)	150.17524 (10091421)
154.84687 (10091421)	158.89804 (10091421)		
3609810.0 |	80.89354 (12070522)	84.54454 (12070522)	90.56391 (10091421)
97.00616 (10091421)	103.29555 (10091421)		
3609768.4 |	47.02561 (12070522)	50.50660 (12070522)	53.99632 (12070522)
57.47390 (12070522)	60.91898 (12070522)		
3609726.7 |	46.99527 (11090824)	46.90579 (11090824)	46.44039 (11090824)
45.64493 (11090824)	44.55412 (11090824)		
3609685.1 |	38.91707 (11090824)	40.53025 (11090824)	41.79766 (11090824)
42.70429 (11090824)	43.34173 (11090824)		
3609643.5 |	34.08479 (12122117)	30.38378 (12122117)	31.08105 (11090824)
32.99707 (11090824)	34.84544 (11090824)		
3609601.9 |	46.37230 (12122117)	43.98141 (12122117)	41.05219 (12122117)
37.76250 (12122117)	34.30487 (12122117)		
3609560.3 |	47.72300 (12122117)	48.27985 (12122117)	48.05896 (12122117)
47.06977 (12122117)	45.34871 (12122117)		
3609518.7 |	48.93333 (12120401)	47.40000 (12120401)	45.27126 (12120401)
45.65744 (12122117)	46.77255 (12122117)		
3609477.1 |	46.48850 (12120401)	47.34017 (12120401)	47.52698 (12120401)
47.06563 (12120401)	45.97214 (12120401)		
3609435.5 |	37.42837 (12120401)	40.10272 (12120401)	42.26323 (12120401)
43.90134 (12120401)	44.91169 (12120401)		
3609393.9 |	32.21866 (11090707)	31.44595 (11090707)	32.44178 (12120401)
35.25181 (12120401)	37.71211 (12120401)		
3609352.2	32.76303 (11090707)	32.21070 (11090707)	31.59761 (11090707)
30.92234 (11090707)	31.00187 (12072103)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***
 INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	491443.37	491509.81	491459.98	491476.59
491493.20				

3610184.5 |	212.47352 (12011918)	210.02439 (12011918)	207.71105 (12011918)
205.54832 (12011918)	203.63004 (12011918)		
3610142.8 |	208.46091 (10040819)	206.31021 (10040819)	204.06162 (10040819)
201.66371 (10040819)	199.91140 (10040819)		
3610101.2 |	207.23864 (10090920)	204.63357 (10090920)	201.78148 (10090920)
198.82313 (10090920)	196.25230 (10090920)		
3610059.6 |	200.97073 (10090920)	199.92358 (10090920)	198.66694 (10090920)
197.24149 (10090920)	195.58283 (10090920)		
3610018.0 |	181.93656 (10041020)	179.75001 (10041020)	177.48786 (10041020)
175.15949 (10041020)	172.66469 (10041020)		
3609976.4 |	192.27052 (10111819)	188.67352 (10111819)	184.99041 (10111819)
181.12906 (10111819)	177.10869 (10111819)		
3609934.8 |	189.25540 (10111819)	189.07764 (10111819)	188.58112 (10111819)
187.81591 (10111819)	186.72759 (10111819)		
3609893.2 |	193.58168 (10091421)	192.46702 (10091421)	190.94856 (10091421)
189.01468 (10091421)	186.75938 (10091421)		
3609851.6 |	162.30138 (10091421)	165.03935 (10091421)	167.17470 (10091421)
168.66697 (10091421)	169.52536 (10091421)		
3609810.0 |	109.38498 (10091421)	115.21057 (10091421)	120.73986 (10091421)
125.90607 (10091421)	130.69150 (10091421)		
3609768.4 |	64.31041 (12070522)	67.62552 (12070522)	70.84723 (12070522)
73.96009 (12070522)	78.15553 (10091421)		
3609726.7 |	43.22029 (11090824)	41.67242 (11090824)	41.61944 (12070522)
44.50804 (12070522)	47.40209 (12070522)		
3609685.1 |	43.64714 (11090824)	43.64379 (11090824)	43.32866 (11090824)
42.73732 (11090824)	41.90655 (11090824)		
3609643.5 |	36.49470 (11090824)	37.83857 (11090824)	38.94759 (11090824)
39.78526 (11090824)	40.34963 (11090824)		
3609601.9 |	30.72501 (12122117)	27.68210 (11090824)	29.52670 (11090824)
31.23533 (11090824)	32.72724 (11090824)		
3609560.3 |	43.04819 (12122117)	40.28767 (12122117)	37.19321 (12122117)
33.88934 (12122117)	30.49247 (12122117)		
3609518.7 |	47.14210 (12122117)	46.76942 (12122117)	45.71853 (12122117)
44.04551 (12122117)	41.88497 (12122117)		
3609477.1 |	44.30143 (12120401)	43.30794 (12122117)	44.81183 (12122117)
45.66744 (12122117)	45.87139 (12122117)		
3609435.5 |	45.30832 (12120401)	45.15229 (12120401)	44.39622 (12120401)
43.11388 (12120401)	41.33750 (12120401)		

3609393.9 |	39.80965 (12120401)	41.49782 (12120401)	42.59682 (12120401)
43.17223 (12120401)	43.20664 (12120401)		
3609352.2	30.61946 (12072103)	33.16601 (12120401)	35.52475 (12120401)
37.56661 (12120401)	39.18557 (12120401)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***
 INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491526.42	491543.03	491559.64
491576.25	491592.86		

3610184.5 |	201.64336 (12011918)	199.53134 (12011918)	197.29114 (12011918)
195.04084 (12011918)	192.78234 (12011918)		
3610142.8 |	197.97051 (10040819)	195.72652 (10040819)	193.52958 (10040819)
191.44975 (10040819)	189.36482 (10040819)		
3610101.2 |	193.59906 (10090920)	191.04343 (10090920)	188.11504 (10090920)
185.22659 (10090920)	182.38583 (10090920)		
3610059.6 |	194.05657 (10090920)	192.68522 (10090920)	191.03696 (10090920)
189.32922 (10090920)	187.62225 (10090920)		
3610018.0 |	170.04246 (10041020)	167.33569 (10041020)	164.67033 (10041020)
161.89858 (10041020)	159.06610 (10041020)		
3609976.4 |	172.83493 (10111819)	169.43082 (12100222)	166.08183 (12100222)
164.36213 (10041020)	163.15779 (10041020)		
3609934.8 |	185.36443 (10111819)	183.74040 (10111819)	181.90668 (10111819)
179.83961 (10111819)	177.55216 (10111819)		
3609893.2 |	184.09651 (10091421)	181.04762 (10091421)	177.70867 (10091421)
174.06767 (10091421)	170.11458 (10091421)		
3609851.6 |	175.08166 (10091421)	175.51458 (10091421)	175.61349 (10091421)
175.30352 (10091421)	174.62694 (10091421)		
3609810.0 |	135.06446 (10091421)	138.98242 (10091421)	142.42108 (10091421)
145.32673 (10091421)	147.71909 (10091421)		
3609768.4 |	83.57458 (10091421)	88.91155 (10091421)	94.10746 (10091421)
99.12300 (10091421)	103.92128 (10091421)		

3609726.7	50.29228 (12070522)	53.16204 (12070522)	55.99206 (12070522)
58.76855 (12070522)	61.47814 (12070522)		
3609685.1	40.83553 (11090824)	39.55926 (11090824)	38.13053 (11090824)
36.55124 (11090824)	36.34456 (12070522)		
3609643.5	40.62447 (11090824)	40.63685 (11090824)	40.40566 (11090824)
39.95577 (11090824)	39.29624 (11090824)		
3609601.9	34.07907 (11090824)	35.25976 (11090824)	36.21249 (11090824)
36.96398 (11090824)	37.50105 (11090824)		
3609560.3	27.89138 (11011719)	28.94206 (11011719)	29.87211 (11011719)
29.91156 (11011719)	30.63021 (11090824)		
3609518.7	39.31820 (12122117)	36.42862 (12122117)	33.28457 (12122117)
30.09683 (12122117)	30.96607 (11011719)		
3609477.1	45.41930 (12122117)	44.35652 (12122117)	42.76090 (12122117)
40.70353 (12122117)	38.30803 (12122117)		
3609435.5	42.58801 (12122117)	43.85719 (12122117)	44.50615 (12122117)
44.56536 (12122117)	44.04011 (12122117)		
3609393.9	42.74123 (12120401)	41.79787 (12120401)	40.41847 (12120401)
40.22281 (12122117)	41.72639 (12122117)		
3609352.2	40.32669 (12120401)	41.01960 (12120401)	41.28792 (12120401)
41.07880 (12120401)	40.38622 (12120401)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)
491609.47	491626.08
491659.30	491642.69
491675.91	

3610184.5	190.71082 (12011918)	188.63569 (12011918)	186.36943 (12011918)
184.29191 (12011918)	182.27398 (12011918)		
3610142.8	187.21248 (10040819)	184.99287 (10040819)	182.83520 (10040819)
180.80423 (10040819)	178.83258 (10040819)		
3610101.2	179.98512 (11081321)	177.74498 (11081321)	175.37023 (11081321)
173.10289 (11081321)	170.88314 (11081321)		

3610059.6	|	185.86329	(10090920)	183.99775	(10090920)	181.85068	(10090920)
179.83524		(10090920)		177.95957	(10090920)		
3610018.0	|	156.21783	(10041020)	154.23855	(10090920)	153.19589	(10090920)
152.17334		(10090920)		151.10437	(10090920)		
3609976.4	|	161.83940	(10041020)	160.44677	(10041020)	158.98443	(10041020)
157.42291		(10041020)		155.70297	(10041020)		
3609934.8	|	175.05729	(10111819)	172.36805	(10111819)	169.49769	(10111819)
166.42480		(10111819)		163.23389	(10111819)		
3609893.2	|	166.94110	(10111819)	166.81300	(10111819)	166.47265	(10111819)
165.84175		(10111819)		164.98869	(10111819)		
3609851.6	|	173.53490	(10091421)	172.13222	(10091421)	170.43347	(10091421)
168.38962		(10091421)		166.04679	(10091421)		
3609810.0	|	149.57275	(10091421)	150.90605	(10091421)	151.74592	(10091421)
152.08295		(10091421)		156.93845	(10091421)		
3609768.4	|	108.47109	(10091421)	112.73299	(10091421)	116.65143	(10091421)
120.24665		(10091421)		123.48369	(10091421)		
3609726.7	|	64.10350	(12070522)	66.89644	(10091421)	71.43399	(10091421)
75.91995		(10091421)		80.32053	(10091421)		
3609685.1	|	38.74170	(12070522)	41.14249	(12070522)	43.54777	(12070522)
45.94711		(12070522)		48.32184	(12070522)		
3609643.5	|	38.42514	(11090824)	37.37750	(11090824)	38.57405	(12110419)
40.45259		(12110419)		41.47042	(12110419)		
3609601.9	|	37.79259	(11090824)	37.86684	(11090824)	37.73624	(11090824)
37.40313		(11090824)		36.87437	(11090824)		
3609560.3	|	31.87031	(11090824)	32.91833	(11090824)	33.78743	(11090824)
34.47040		(11090824)		34.96339	(11090824)		
3609518.7	|	32.31876	(11011719)	33.57003	(11011719)	34.28613	(11011719)
33.60329		(11011719)		31.66786	(11011719)		
3609477.1	|	35.60869	(12122117)	32.72600	(12122117)	30.99740	(11011719)
33.04918		(11011719)		34.24688	(11011719)		
3609435.5	|	43.01286	(12122117)	41.51087	(12122117)	39.55409	(12122117)
37.27152		(12122117)		34.71336	(12122117)		
3609393.9	|	42.75472	(12122117)	43.24986	(12122117)	43.21052	(12122117)
42.65481		(12122117)		41.62219	(12122117)		
3609352.2		39.28473	(12120401)	37.82318	(12120401)	39.49452	(12122117)
40.78369		(12122117)		41.61935	(12122117)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***
 INCLUDING SOURCE(S): STCK1 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
		491692.52		

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3610184.5 | 180.01219 (12011918)
3610142.8 | 176.79657 (10040819)
3610101.2 | 168.65180 (11081321)
3610059.6 | 176.27229 (10090920)
3610018.0 | 150.09371 (10090920)
3609976.4 | 153.92719 (10041020)
3609934.8 | 159.83721 (10111819)
3609893.2 | 163.95160 (10111819)
3609851.6 | 163.42071 (10091421)
3609810.0 | 157.02024 (10091421)
3609768.4 | 126.32573 (10091421)
3609726.7 | 84.59644 (10091421)
3609685.1 | 50.63072 (12070522)
3609643.5 | 42.43653 (12110419)
3609601.9 | 36.17811 (11090824)
3609560.3 | 35.27394 (11090824)
3609518.7 | 31.19187 (11011719)
3609477.1 | 34.91879 (11011719)
3609435.5 | 32.10344 (12122117)
3609393.9 | 40.15656 (12122117)
3609352.2 | 41.98820 (12122117)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGBLDG4 ***
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

491164.27	3610233.74	299.48152	(10110918)	491278.96
3610288.22	272.65096 (10091321)			
491317.19	3610288.22	270.57114	(10091321)	491355.42
3610288.22	266.79326 (10091321)			
491393.65	3610342.70	237.82295	(11070121)	491431.88
3610342.70	232.27391 (11070121)			
491470.11	3610342.70	229.92224	(12062422)	491508.34
3610342.70	225.69509 (12062422)			
491546.57	3610342.70	219.89821	(12062422)	491584.80
3610342.70	212.46256 (12062422)			
491623.03	3610342.70	211.00842	(10091321)	491508.34
3610397.18	219.33007 (11070322)			
491546.57	3610397.18	212.89520	(11070322)	491584.80
3610397.18	204.74088 (11070322)			
491623.03	3610397.18	199.62008	(11070121)	491508.34
3610451.66	212.05718 (10100221)			
491546.57	3610451.66	211.60944	(11032802)	491584.80
3610451.66	207.87055 (11032802)			
491623.03	3610451.66	200.91561	(11032802)	491508.34
3610506.14	149.57517 (10100221)			
491546.57	3610506.14	161.20844	(10100221)	491584.80
3610506.14	170.77739 (10100221)			
491623.03	3610506.14	177.48413	(10100221)	491508.34
3610560.62	87.25499 (12092119)			
491546.57	3610560.62	92.30354	(10112719)	491584.80
3610560.62	102.44367 (11070120)			
491623.03	3610560.62	112.16796	(11070120)	491087.81
3610615.10	235.45419 (10121318)			
491126.04	3610615.10	228.98544	(10121318)	491508.34
3610615.10	57.90283 (12092119)			
491546.57	3610615.10	62.48524	(12092119)	491584.80
3610615.10	66.79078 (12092119)			
491623.03	3610615.10	70.82450	(12092119)	491087.81
3610669.58	271.58219 (12100121)			
491126.04	3610669.58	251.94285	(12100121)	491508.34
3610669.58	45.21082 (12121721)			
491546.57	3610669.58	46.84364	(12121721)	491584.80
3610669.58	46.04692 (12121721)			
491623.03	3610669.58	48.25509	(12092119)	491546.57
3610724.06	53.70420 (12083120)			
491584.80	3610724.06	40.98013	(12083120)	491623.03
3610724.06	44.06912 (12121721)			
491546.57	3610778.54	80.24147	(11042823)	491584.80
3610778.54	63.53296 (11042823)			
491623.03	3610778.54	49.72306	(12083120)	490934.89
3610833.02	250.10229 (12081904)			
490973.12	3610833.02	235.23264	(12111424)	491011.35
3610833.02	224.44972 (12092720)			

491049.58	3610833.02	219.95077	(12090321)	491087.81
3610833.02	218.09169	(12081104)		
491126.04	3610833.02	235.02277	(12081104)	491164.27
3610833.02	230.10878	(12081104)		
491202.50	3610833.02	208.52085	(12091519)	491240.73
3610833.02	225.29631	(12100121)		
491278.96	3610833.02	238.21968	(12100121)	491317.19
3610833.02	228.49411	(12100121)		
491355.42	3610833.02	200.62635	(12100121)	491393.65
3610833.02	192.48626	(10121318)		
491431.88	3610833.02	188.99786	(10121318)	491470.11
3610833.02	175.17765	(10121318)		
491508.34	3610833.02	154.23867	(10121318)	491546.57
3610833.02	131.25021	(10121318)		
491584.80	3610833.02	94.95989	(10121318)	491623.03
3610833.02	78.99346	(10121318)		
490934.89	3610887.50	242.20150	(12081904)	490973.12
3610887.50	241.43305	(12081904)		
491011.35	3610887.50	228.64330	(12111424)	491049.58
3610887.50	214.97899	(12092720)		
491087.81	3610887.50	211.32076	(12092720)	491126.04
3610887.50	196.79782	(12090321)		
491164.27	3610887.50	215.65614	(12081104)	491202.50
3610887.50	219.08072	(12081104)		
491240.73	3610887.50	204.28491	(12081104)	491278.96
3610887.50	195.61680	(12100121)		
491317.19	3610887.50	221.34722	(12100121)	491355.42
3610887.50	227.14254	(12100121)		
491393.65	3610887.50	212.69215	(12100121)	491431.88
3610887.50	184.64156	(12100121)		
491470.11	3610887.50	183.69910	(10121318)	491508.34
3610887.50	180.27372	(10121318)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
3610887.50	491546.57	3610887.50	167.23899	(10121318)	491584.80
3610941.98	491623.03	3610887.50	126.91142	(10121318)	490858.43
3610941.98	490896.66	3610941.98	219.16668	(12090520)	490934.89
3610941.98	490973.12	3610941.98	235.43957	(12081904)	491011.35
3610941.98	491049.58	3610941.98	222.56239	(12111424)	491087.81
3610941.98	491126.04	3610941.98	206.85843	(12092720)	491164.27
3610941.98	491202.50	3610941.98	193.51544	(12081104)	491240.73
3610941.98	491278.96	3610941.98	196.76345	(12081104)	491317.19
3610941.98	491355.42	3610941.98	195.65754	(12100121)	491393.65
3610941.98	491431.88	3610941.98	214.45063	(12100121)	491470.11
3610941.98	491508.34	3610941.98	168.63870	(12100121)	491546.57
3610941.98	491584.80	3610941.98	171.17428	(10121318)	491623.03
3610996.46	490858.43	3610996.46	188.28339	(12100320)	490896.66
3610996.46	490934.89	3610996.46	212.74244	(12090520)	490973.12
3610996.46	491011.35	3610996.46	229.85583	(12081904)	491049.58
3610996.46	491087.81	3610996.46	217.09797	(12111424)	491126.04
3610996.46	491164.27	3610996.46	201.16280	(12092720)	491202.50
3610996.46	491240.73	3610996.46	170.74947	(10082621)	491278.96
3610996.46	491317.19	3610996.46	185.28577	(12081104)	491355.42
3610996.46	491393.65	3610996.46	175.45783	(12050622)	491431.88
3610996.46	491470.11	3610996.46	204.74828	(12100121)	491508.34
3610996.46	491546.57	3610996.46	181.15523	(12100121)	491584.80
3611050.94	491623.03	3610996.46	165.19297	(10121318)	490858.43
	203.33473	(12110519)			

490896.66	3611050.94	189.75819	(12100320)	490934.89
3611050.94	203.31799	(12100320)		
490973.12	3611050.94	204.76941	(12090520)	491011.35
3611050.94	204.19751	(12083006)		
491049.58	3611050.94	224.41277	(12081904)	491087.81
3611050.94	219.38857	(12081904)		
491126.04	3611050.94	211.52647	(12111424)	491164.27
3611050.94	188.02089	(12092720)		
491202.50	3611050.94	195.04391	(12092720)	491240.73
3611050.94	184.35276	(12092720)		
491278.96	3611050.94	166.62661	(12080703)	491317.19
3611050.94	164.91913	(12081104)		
491355.42	3611050.94	170.46130	(12081104)	491393.65
3611050.94	166.48225	(10081822)		
491431.88	3611050.94	156.24980	(11042920)	491470.11
3611050.94	171.06136	(12050622)		
491508.34	3611050.94	186.26982	(12100121)	491546.57
3611050.94	193.50019	(12100121)		
491584.80	3611050.94	185.59995	(12100121)	491623.03
3611050.94	165.45924	(12100121)		
490858.43	3611105.42	223.62521	(12110519)	490896.66
3611105.42	180.73311	(12050523)		
490934.89	3611105.42	190.41823	(12100320)	490973.12
3611105.42	196.77023	(12100320)		
491011.35	3611105.42	195.83004	(12083006)	491049.58
3611105.42	197.63018	(12083006)		
491087.81	3611105.42	219.53538	(12081904)	491126.04
3611105.42	212.65085	(12081904)		
491164.27	3611105.42	206.10638	(12111424)	491202.50
3611105.42	178.91145	(12092720)		
491240.73	3611105.42	188.33525	(12092720)	491278.96
3611105.42	180.80777	(12092720)		
491317.19	3611105.42	161.84442	(12080703)	491355.42
3611105.42	157.43709	(10082621)		

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23

*** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491393.65	3611105.42	159.54108	(10081822)	491431.88
3611105.42	161.04321	(10081822)		
491470.11	3611105.42	151.44986	(10081822)	491508.34
3611105.42	154.10536	(12050622)		
491546.57	3611105.42	163.53430	(12050622)	491584.80
3611105.42	178.83389	(12100121)		
491623.03	3611105.42	181.35525	(12100121)	490858.43
3611159.90	220.50552	(12110519)		
490896.66	3611159.90	202.42330	(12110519)	490934.89
3611159.90	166.12514	(12100320)		
490973.12	3611159.90	189.32350	(12100320)	491011.35
3611159.90	189.82456	(12100320)		
491049.58	3611159.90	194.59220	(12083006)	491087.81
3611159.90	189.34119	(12083006)		
491126.04	3611159.90	213.95864	(12081904)	491164.27
3611159.90	206.05549	(12081904)		
491202.50	3611159.90	200.04450	(12111424)	491240.73
3611159.90	173.92075	(12111424)		
491278.96	3611159.90	180.27538	(12092720)	491317.19
3611159.90	176.05578	(12092720)		
491355.42	3611159.90	158.54366	(12092720)	491393.65
3611159.90	149.04979	(10082621)		
491431.88	3611159.90	147.85684	(10082621)	491470.11
3611159.90	153.00300	(10081822)		
491508.34	3611159.90	148.43608	(10081822)	491546.57
3611159.90	137.66705	(11042920)		
491584.80	3611159.90	151.39461	(12050622)	491623.03
3611159.90	158.27393	(12100121)		
490858.43	3611214.38	196.43381	(12110519)	490896.66
3611214.38	214.94666	(12110519)		
490934.89	3611214.38	175.18567	(12110519)	490973.12
3611214.38	169.25463	(12100320)		
491011.35	3611214.38	187.00861	(12100320)	491049.58
3611214.38	181.26813	(12100320)		
491087.81	3611214.38	191.15906	(12083006)	491126.04
3611214.38	183.87998	(12081904)		
491164.27	3611214.38	207.94414	(12081904)	491202.50
3611214.38	198.47484	(12081904)		
491240.73	3611214.38	193.54655	(12111424)	491278.96
3611214.38	169.63714	(12111424)		
491317.19	3611214.38	171.64483	(12092720)	491355.42
3611214.38	169.94290	(12092720)		
491393.65	3611214.38	155.86653	(12092720)	491431.88
3611214.38	143.48946	(12080703)		

491470.11	3611214.38	141.62634	(10082621)	491508.34
3611214.38	143.07270	(10081822)		
491546.57	3611214.38	143.37071	(10081822)	491584.80
3611214.38	134.36110	(10081822)		
491623.03	3611214.38	134.21495	(12050622)	490858.43
3611268.86	195.64967	(12122818)		
490896.66	3611268.86	206.47720	(12110519)	490934.89
3611268.86	199.20552	(12110519)		
490973.12	3611268.86	164.16380	(12050523)	491011.35
3611268.86	170.58933	(12100320)		
491049.58	3611268.86	181.71230	(12100320)	491087.81
3611268.86	171.23152	(12100320)		
491126.04	3611268.86	186.54221	(12083006)	491164.27
3611268.86	179.97169	(12081904)		
491202.50	3611268.86	201.20321	(12081904)	491240.73
3611268.86	190.74925	(12081904)		
491278.96	3611268.86	186.37422	(12111424)	491317.19
3611268.86	165.26072	(12111424)		
491355.42	3611268.86	162.80901	(12092720)	491393.65
3611268.86	163.90998	(12092720)		
491431.88	3611268.86	152.38608	(12092720)	491470.11
3611268.86	138.44878	(12080703)		
491508.34	3611268.86	134.57426	(10082621)	491546.57
3611268.86	133.06863	(12092202)		
491584.80	3611268.86	135.98876	(10081822)	491623.03
3611268.86	131.37987	(10081822)		
490858.43	3611323.34	192.99394	(12122818)	490896.66
3611323.34	181.29178	(12122818)		
490934.89	3611323.34	205.43037	(12110519)	490973.12
3611323.34	177.15207	(12110519)		
491011.35	3611323.34	147.55029	(12050523)	491049.58
3611323.34	169.49627	(12100320)		
491087.81	3611323.34	174.97080	(12100320)	491126.04
3611323.34	166.92937	(12083006)		
491164.27	3611323.34	180.49685	(12083006)	491202.50
3611323.34	175.56355	(12081904)		

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 *** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGBLDG4 ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
3611323.34	491240.73	3611323.34	194.03694	(12081904)	491278.96
		183.01809	(12081904)		
3611323.34	491317.19	3611323.34	180.04439	(12111424)	491355.42
		160.54205	(12111424)		
3611323.34	491393.65	3611323.34	153.85706	(12092720)	491431.88
		156.71376	(12092720)		
3611323.34	491470.11	3611323.34	148.04602	(12092720)	491508.34
		132.54662	(12080703)		
3611323.34	491546.57	3611323.34	126.42960	(10082621)	491584.80
		126.01992	(10082621)		
3608705.27	491623.03	3611323.34	128.75142	(12092202)	491583.40
		34.77585	(12051501)		
3608753.50	491577.37	3608727.37	35.21172	(12051501)	491573.36
		35.22470	(12051501)		
3608775.60	491562.30	3608782.64	35.31886	(12102920)	491565.32
		35.10307	(12102920)		
3608840.91	491547.23	3608819.81	36.14795	(12102920)	491545.22
		36.20806	(12102920)		
3608898.19	491533.16	3608877.09	37.95211	(11090806)	491524.12
		39.33220	(11090806)		
3608925.32	491522.11	3608915.27	40.88592	(11090806)	491520.10
		41.46088	(11090806)		
3608961.49	491511.06	3608945.41	41.80789	(11090806)	491507.04
		41.78539	(11090806)		
3608992.64	491499.00	3608982.59	41.31810	(11090806)	491498.00
		40.67726	(11090806)		
3609030.82	491490.96	3609007.71	39.95032	(11090806)	491484.93
		39.33355	(10072303)		
3609072.02	491478.91	3609048.91	39.31823	(10072303)	491470.87
		38.75666	(10072303)		
3609114.22	491461.82	3609094.12	37.87755	(10072303)	491450.77
		37.28294	(10072303)		
3609145.37	491449.77	3609129.29	35.57821	(10072303)	491443.74
		34.21668	(10072303)		
3609178.52	491439.72	3609164.46	31.79720	(10072303)	491434.69
		30.39170	(10072303)		
3609216.71	491424.65	3609198.62	30.63849	(12081701)	491418.62
		31.64623	(12081701)		
3609244.84	491414.60	3609231.78	32.04800	(12081701)	491409.57
		31.98655	(12081701)		
3609289.05	491398.52	3609273.98	31.81374	(11090707)	491397.52
		31.90269	(11090707)		

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	214.13147	(10091421)	491179.91
3609920.53	182.95380	(10091421)		
491191.64	3609922.99	190.50648	(10091421)	491189.17
3609903.25	156.25453	(10091421)		
491198.42	3609906.95	166.82882	(10091421)	491194.72
3609882.27	119.22629	(10091421)		
491205.83	3609887.20	133.89778	(10091421)	491200.89
3609866.84	97.00859	(12070522)		
491205.83	3609849.56	79.92603	(12070522)	491212.62
3609864.99	98.16087	(12070522)		
491303.94	3609929.78	211.92340	(10091421)	491267.54
3609903.25	183.35680	(10091421)		
491277.41	3609879.18	151.23997	(10091421)	491324.31
3609896.46	186.33557	(10091421)		
491135.48	3610120.46	258.22524	(10090920)	491124.99
3610139.59	256.87694	(10040819)		
491130.55	3610141.44	257.06095	(10040819)	491142.89
3610145.14	256.74607	(10040819)		
491165.10	3610151.31	254.55599	(10040819)	491172.51
3610156.25	253.70589	(10040819)		
491183.00	3610155.01	251.58982	(10040819)	491190.40
3610158.72	250.12071	(10040819)		
491197.81	3610138.97	242.66800	(10040819)	491162.02
3610130.33	243.87136	(11081321)		
491150.91	3610113.67	257.13024	(10090920)	491164.49
3610115.52	253.52871	(10090920)		
491178.06	3610123.54	245.91428	(10090920)	491189.17
3610125.39	241.76596	(10090920)		
491197.81	3610126.63	238.60407	(10090920)	491158.93
3610084.05	244.34014	(10090920)		
491175.59	3610088.37	245.84655	(10090920)	491188.55
3610090.84	245.66355	(10090920)		
491202.13	3610096.39	246.12754	(10090920)	491252.11
3610069.86	222.30937	(10090920)		
491240.39	3610095.77	239.76880	(10090920)	491232.36
3610128.48	230.18821	(11081321)		
491220.02	3610152.55	244.23707	(10040819)	491213.85
3610179.70	247.87972	(12011918)		
491204.60	3610206.85	249.56987	(12081824)	491297.77
3610095.16	230.86555	(10090920)		

491316.29	3610102.56	227.37290	(10090920)	491271.24
3610169.21	236.38180	(11030219)		
491296.54	3610170.44	232.14028	(11030219)	491224.34
3609806.98	53.52199	(11090824)		
491232.36	3609786.00	52.06033	(11090824)	491240.39
3609769.96	49.58485	(11090824)		
491245.94	3609753.92	45.99787	(11090824)	491250.26
3609731.08	39.06678	(11090824)		
491255.20	3609716.89	34.60782	(11090824)	491354.41
3609557.94	46.98619	(12122117)		
491349.69	3609575.67	48.67989	(12122117)	491331.95
3609630.05	44.47835	(12122117)		
491310.67	3609696.25	36.12110	(11090824)	491301.22
3609737.63	46.67724	(11090824)		
491289.40	3609771.91	50.62919	(11090824)	491276.39
3609801.46	54.51881	(12080603)		
491310.67	3609805.01	64.85138	(12070522)	492077.18
3610785.74	56.66661	(12040721)		

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*** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	490903.38	490928.68	490953.98
490979.28	491004.58		

3610794.6 |	265.89589 (12060623)	264.32964 (12060623)	241.55772 (12092402)
246.72117	(12092101)	250.24881 (12122818)	
3610785.6 |	269.15474 (12060623)	265.66991 (12060623)	243.79717 (12092402)
248.36842	(12092101)	254.24638 (12122818)	
3610776.7 |	272.55762 (12060623)	267.01677 (12060623)	245.92884 (12092402)
249.67659	(12092101)	258.03221 (12122818)	
3610767.7 |	276.05016 (12060623)	268.31722 (12060623)	247.88801 (12092402)
250.68393	(12092101)	261.49038 (12122818)	

3610758.7 |	279.49431 (12060623)	269.51092 (12060623)	250.98592 (12092101)
251.32582 (12092101)	264.60467 (12122818)		
3610749.8 |	282.84785 (12060623)	270.54033 (12060623)	255.24752 (12092101)
254.36654 (12122818)	267.34868 (12122818)		
3610740.8 |	286.00347 (12060623)	271.41882 (12060623)	259.15197 (12092101)
260.02539 (12122818)	269.59243 (12122818)		
3610731.9 |	289.11125 (12060623)	272.17578 (12060623)	262.77073 (12092101)
265.43815 (12122818)	271.47938 (12122818)		
3610722.9 |	292.17173 (12060623)	272.77410 (12060623)	266.07885 (12092101)
270.58777 (12122818)	272.92641 (12122818)		
3610713.9 |	295.22601 (12060623)	273.29665 (12060623)	269.11566 (12092101)
275.43618 (12122818)	273.98674 (12122818)		
3610705.0 |	298.23603 (12060623)	273.65065 (12060623)	271.74448 (12092101)
279.95583 (12122818)	274.57820 (12122818)		
3610696.0 |	301.17804 (12060623)	273.92826 (12060623)	274.07020 (12092101)
284.17729 (12122818)	274.68960 (12122818)		
3610687.1 |	304.00969 (12060623)	274.02486 (12060623)	276.00993 (12092101)
288.00784 (12122818)	274.31037 (12122818)		
3610678.1 |	306.82950 (12060623)	274.73497 (12092402)	277.54994 (12092101)
291.38047 (12122818)	274.56281 (12110519)		
3610669.1 |	309.52876 (12060623)	277.53952 (12092402)	282.35753 (12122818)
294.36577 (12122818)	277.34067 (12110519)		
3610660.2 |	312.15641 (12060623)	281.17922 (12092101)	289.01112 (12122818)
296.83332 (12122818)	279.06447 (12110519)		
3610651.2 |	314.77299 (12060623)	286.35733 (12092101)	295.33943 (12122818)
298.93163 (12122818)	279.63721 (12110519)		
3610642.3 |	317.26345 (12060623)	291.18803 (12092101)	301.42327 (12122818)
300.46108 (12122818)	279.16238 (12110519)		
3610633.3 |	319.74573 (12060623)	295.77455 (12092101)	307.17000 (12122818)
301.46663 (12122818)	277.55583 (12110519)		
3610624.3 |	322.30002 (12060623)	300.09948 (12092101)	312.55108 (12122818)
301.92822 (12122818)	277.30040 (12100320)		
3610615.4	324.90767 (12060623)	304.21821 (12092101)	317.59181 (12122818)
301.77589 (12122818)	285.54545 (12100320)		

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491029.88	491131.08	491055.18	X-COORD (METERS) 491080.48
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3610794.6	251.89285 (12122818)	243.22320 (12110519)	221.20078 (12110519)
234.99589 (12100320)	236.62878 (12100320)		
3610785.6 |	252.56356 (12122818)	244.11957 (12110519)	221.10276 (12100320)
238.10924 (12100320)	239.75498 (12090520)		
3610776.7 |	252.85419 (12122818)	244.38131 (12110519)	226.80976 (12100320)
240.61239 (12100320)	243.30370 (12090520)		
3610767.7 |	252.76312 (12122818)	243.77041 (12110519)	232.06754 (12100320)
242.51654 (12100320)	246.23814 (12090520)		
3610758.7 |	252.29171 (12122818)	242.30076 (12110519)	237.12821 (12100320)
243.70210 (12100320)	248.52252 (12090520)		
3610749.8 |	253.08124 (12110519)	239.98274 (12110519)	242.14253 (12100320)
244.18937 (12100320)	250.12550 (12090520)		
3610740.8 |	256.28217 (12110519)	236.71929 (12110519)	246.63136 (12100320)
248.33757 (12090520)	251.02066 (12090520)		
3610731.9 |	258.64830 (12110519)	235.39601 (12100320)	250.55890 (12100320)
252.91793 (12090520)	251.79361 (12083006)		
3610722.9 |	260.01963 (12110519)	242.34911 (12100320)	253.84081 (12100320)
256.97037 (12090520)	257.32235 (12081904)		
3610713.9 |	260.47661 (12110519)	248.83360 (12100320)	256.46051 (12100320)
260.34066 (12090520)	266.09862 (12081904)		
3610705.0 |	259.88038 (12110519)	254.78272 (12100320)	258.28774 (12100320)
262.97468 (12090520)	273.60698 (12081904)		
3610696.0 |	258.33773 (12110519)	260.19225 (12100320)	263.73038 (12090520)
264.88717 (12090520)	279.53712 (12081904)		
3610687.1 |	255.78330 (12110519)	264.88841 (12100320)	268.79578 (12090520)
266.78972 (12081904)	283.76506 (12081904)		
3610678.1 |	254.64543 (12100320)	268.91813 (12100320)	273.18968 (12090520)
276.73185 (12081904)	286.24267 (12081904)		
3610669.1 |	262.21620 (12100320)	272.17627 (12100320)	276.80806 (12090520)
285.28974 (12081904)	286.74759 (12081904)		
3610660.2 |	269.18865 (12100320)	275.18176 (12090520)	279.61096 (12090520)
292.13582 (12081904)	285.35263 (12081904)		
3610651.2 |	275.57774 (12100320)	281.49133 (12090520)	281.48991 (12090520)
297.21826 (12081904)	281.92736 (12081904)		
3610642.3 |	281.27056 (12100320)	287.10246 (12090520)	288.36775 (12081904)
300.28059 (12081904)	279.17312 (12111424)		
3610633.3 |	286.12635 (12100320)	291.86204 (12090520)	298.11745 (12081904)
301.25839 (12081904)	278.48091 (12111424)		
3610624.3 |	290.19422 (12100320)	295.75120 (12090520)	306.10736 (12081904)
300.16215 (12081904)	275.46153 (12111424)		
3610615.4	294.99601 (12090520)	298.64757 (12090520)	312.14867 (12081904)
296.90007 (12081904)	271.93467 (12092720)		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491156.38	491181.68	491206.98
	|	491232.28	491257.58	

3610794.6	|	242.69708 (12090520)	248.53387 (12081904)	260.43968 (12081904)
245.92040		(12081904)	235.38359 (12111424)	
3610785.6	|	243.72565 (12090520)	255.04010 (12081904)	260.69123 (12081904)
246.61908		(12111424)	230.53060 (12111424)	
3610776.7	|	244.90482 (12083006)	260.21653 (12081904)	259.44205 (12081904)
246.19960		(12111424)	227.28043 (12092720)	
3610767.7	|	244.80623 (12083006)	264.00700 (12081904)	256.56021 (12081904)
244.05310		(12111424)	230.37035 (12092720)	
3610758.7	|	252.40961 (12081904)	266.18979 (12081904)	252.19131 (12081904)
240.25080		(12111424)	232.45991 (12092720)	
3610749.8	|	259.62504 (12081904)	266.81726 (12081904)	252.77222 (12111424)
234.83997		(12111424)	233.40534 (12092720)	
3610740.8	|	265.40267 (12081904)	265.72126 (12081904)	252.05716 (12111424)
234.88170		(12092720)	233.28277 (12092720)	
3610731.9	|	269.72214 (12081904)	263.01134 (12081904)	249.55944 (12111424)
237.57225		(12092720)	231.98316 (12092720)	
3610722.9	|	272.35426 (12081904)	258.64305 (12081904)	245.29616 (12111424)
239.06889		(12092720)	229.61364 (12092720)	
3610713.9	|	273.72521 (12081904)	259.13534 (12111424)	239.43053 (12092720)
239.43371		(12092720)	229.86303 (12081104)	
3610705.0	|	273.72713 (12081904)	258.20219 (12111424)	242.78861 (12092720)
238.59726		(12092720)	238.86512 (12081104)	
3610696.0	|	271.97149 (12081904)	255.35665 (12111424)	244.90338 (12092720)
236.55845		(12092720)	246.69012 (12081104)	
3610687.1	|	268.52763 (12081904)	250.62055 (12111424)	245.81942 (12092720)
236.37535		(12081104)	253.18504 (12081104)	

3610678.1 |	266.68369 (12111424)	248.03510 (12092720)	245.45701 (12092720)
245.58402 (12081104)	258.22013 (12081104)		
3610669.1 |	266.19423 (12111424)	250.88885 (12092720)	243.80417 (12092720)
253.52725 (12081104)	261.64414 (12081104)		
3610660.2 |	263.64191 (12111424)	252.99457 (12092720)	243.17895 (12081104)
259.99673 (12081104)	263.48300 (12081104)		
3610651.2 |	259.07121 (12111424)	253.82013 (12092720)	252.70211 (12081104)
265.04775 (12081104)	263.69657 (12081104)		
3610642.3 |	260.84091 (12092720)	253.25082 (12092720)	260.82705 (12081104)
268.38441 (12081104)	262.22750 (12081104)		
3610633.3 |	263.87171 (12092720)	251.32283 (12092720)	267.46640 (12081104)
270.02705 (12081104)	259.10058 (12081104)		
3610624.3 |	265.43670 (12092720)	260.33152 (12081104)	272.43366 (12081104)
269.88660 (12081104)	259.08615 (12091519)		
3610615.4	265.58176 (12092720)	269.51121 (12081104)	275.57099 (12081104)
267.95762 (12081104)	263.55158 (12100121)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491282.88	491308.18	491333.48
491358.78	491384.08		

3610794.6 |	225.81870 (12092720)	221.49210 (12092720)	212.33410 (12081104)
228.46918 (12081104)	234.84912 (12081104)		
3610785.6 |	227.36749 (12092720)	219.51546 (12092720)	220.70394 (12081104)
233.58438 (12081104)	236.42614 (12081104)		
3610776.7 |	227.82105 (12092720)	216.57018 (12092720)	228.11261 (12081104)
237.58198 (12081104)	236.70640 (12081104)		
3610767.7 |	227.26908 (12092720)	217.86288 (12081104)	234.42630 (12081104)
240.28088 (12081104)	235.64101 (12081104)		
3610758.7 |	225.60801 (12092720)	226.47371 (12081104)	239.52969 (12081104)
241.68856 (12081104)	233.36558 (12081104)		

3610749.8 |	222.90634 (12092720)	234.01103 (12081104)	243.32968 (12081104)
241.68028 (12081104)	229.82687 (12081104)		
3610740.8 |	223.69911 (12081104)	240.38135 (12081104)	245.81011 (12081104)
240.22060 (12081104)	229.51056 (12091519)		
3610731.9 |	232.47238 (12081104)	245.46532 (12081104)	246.87660 (12081104)
237.44654 (12081104)	233.16014 (12091519)		
3610722.9 |	240.14657 (12081104)	249.16744 (12081104)	246.51439 (12081104)
233.41524 (12081104)	237.50306 (12100121)		
3610713.9 |	246.62521 (12081104)	251.41886 (12081104)	244.68803 (12081104)
236.50933 (12091519)	245.83503 (12100121)		
3610705.0 |	251.73576 (12081104)	252.17919 (12081104)	241.48721 (12081104)
239.65259 (12091519)	252.04142 (12100121)		
3610696.0 |	255.37853 (12081104)	251.43718 (12081104)	239.54120 (12091519)
247.81658 (12100121)	255.86398 (12100121)		
3610687.1 |	257.48229 (12081104)	249.21018 (12081104)	243.39415 (12091519)
255.03521 (12100121)	257.37384 (12100121)		
3610678.1 |	257.86357 (12081104)	245.58976 (12081104)	249.14110 (12100121)
259.88744 (12100121)	256.51052 (12100121)		
3610669.1 |	256.70645 (12081104)	247.09193 (12091519)	257.43232 (12100121)
262.21464 (12100121)	253.16575 (12100121)		
3610660.2 |	253.98546 (12081104)	250.34785 (12091519)	263.32286 (12100121)
261.87761 (12100121)	247.43967 (12100121)		
3610651.2 |	250.56063 (12091519)	259.69363 (12100121)	266.67721 (12100121)
259.05669 (12100121)	239.36546 (12100121)		
3610642.3 |	254.72146 (12091519)	266.76149 (12100121)	267.25471 (12100121)
253.71146 (12100121)	241.96898 (12080721)		
3610633.3 |	261.71309 (12100121)	271.10208 (12100121)	265.14600 (12100121)
245.95000 (12100121)	249.52901 (12080721)		
3610624.3 |	269.97684 (12100121)	272.62026 (12100121)	260.29190 (12100121)
247.31474 (12080721)	255.03199 (12080721)		
3610615.4	275.45568 (12100121)	271.19179 (12100121)	252.84232 (12100121)
255.05747 (12080721)	259.00614 (12100224)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
(METERS) | 491409.38

3610794.6 | 231.28942 (12081104)
3610785.6 | 229.38124 (12081104)
3610776.7 | 226.30374 (12081104)
3610767.7 | 222.60661 (12091519)
3610758.7 | 226.80194 (12091519)
3610749.8 | 229.87455 (12091519)
3610740.8 | 236.61099 (12100121)
3610731.9 | 244.04155 (12100121)
3610722.9 | 249.36346 (12100121)
3610713.9 | 252.35358 (12100121)
3610705.0 | 252.92159 (12100121)
3610696.0 | 251.11173 (12100121)
3610687.1 | 247.03742 (12100121)
3610678.1 | 240.81369 (12100121)
3610669.1 | 232.61121 (12100121)
3610660.2 | 236.69179 (12080721)
3610651.2 | 244.12645 (12080721)
3610642.3 | 249.64540 (12080721)
3610633.3 | 253.16275 (12100224)
3610624.3 | 261.24962 (12100224)
3610615.4 | 265.21676 (12100224)

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD | X-COORD (METERS)
(METERS) | 490964.36 490985.16 491005.96
491026.76 491047.56

3610598.0 |	319.94450 (12122818)	297.16634 (12110519)	300.26346 (12100320)
306.84799 (12090520)	305.78068 (12090520)		
3610584.7 |	321.52923 (12122818)	295.87476 (12100320)	308.52778 (12100320)
315.24322 (12090520)	319.13448 (12081904)		
3610571.5 |	321.93651 (12122818)	309.10685 (12100320)	318.55352 (12090520)
321.54939 (12090520)	332.05929 (12081904)		
3610558.3 |	321.28014 (12122818)	320.67226 (12100320)	329.50821 (12090520)
329.17608 (12081904)	340.02071 (12081904)		
3610545.1 |	322.25890 (12081422)	330.58761 (12090520)	338.31732 (12090520)
345.13252 (12081904)	342.52409 (12081904)		
3610531.9 |	332.23935 (12100320)	344.80800 (12090520)	344.77105 (12090520)
356.09774 (12081904)	339.09429 (12081904)		
3610518.7 |	346.36010 (12100320)	356.95000 (12090520)	359.66169 (12081904)
361.34780 (12081904)	330.93422 (12111424)		
3610505.5 |	362.89795 (12090520)	366.88334 (12090520)	374.37923 (12081904)
360.44488 (12081904)	331.22187 (12092720)		
3610492.3 |	453.24015 (12110519)	376.81079 (12081904)	383.08635 (12081904)
352.96280 (12081904)	335.53605 (12092720)		
3610479.1 |	462.38017 (12090520)	396.45960 (12081904)	385.45724 (12081904)
350.11219 (12092720)	354.10762 (12081104)		
3610465.9 |	584.59883 (11040106)	497.43729 (12081904)	381.29457 (12081904)
359.40463 (12081104)	369.83873 (12081104)		
3610452.6 |	609.89106 (11040106)	600.92596 (12081904)	440.91936 (12081904)
380.31971 (12081104)	378.79830 (12081104)		
3610439.4 |	569.37386 (12111424)	588.13177 (12081904)	499.66467 (12081904)
394.31467 (12081104)	380.71697 (12091519)		
3610426.2 |	588.03787 (12111424)	559.72791 (12081904)	450.02341 (12081904)
400.35896 (12081104)	391.18368 (12100121)		
3610413.0 |	594.98603 (12121722)	575.27880 (10120117)	533.52583 (10120117)
408.87351 (12091519)	402.25505 (12100121)		
3610399.8 |	607.14816 (12081104)	604.07861 (10120117)	585.28386 (10120117)
427.20953 (10120117)	409.46733 (12080721)		
3610386.6 |	624.77861 (12081104)	613.62623 (10120117)	558.69294 (10120117)
467.22790 (10120117)	424.47874 (12080721)		
3610373.4 |	626.56617 (12081104)	647.61411 (12100121)	517.38711 (10120117)
445.11988 (12080721)	425.87236 (12080721)		
3610360.2 |	680.36123 (11021219)	647.15681 (12100121)	571.83800 (12100121)
447.35248 (12080721)	443.78183 (12080801)		
3610347.0 |	741.25694 (10110118)	619.14140 (12100121)	543.50028 (10121318)
465.60658 (12080801)	446.30635 (12080801)		
3610333.8	751.19463 (11021219)	636.03893 (11021219)	500.48185 (10121318)
479.03661 (12080722)	487.34220 (12080722)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**
 Y-COORD | X-COORD (METERS)
 (METERS) | 491068.36 491089.16 491109.96
 491130.76 491151.56

3610598.0 |	320.05163 (12081904)	310.24436 (12081904)	288.00444 (12111424)
278.55200 (12092720)	269.41370 (12081104)		
3610584.7 |	325.51301 (12081904)	303.60673 (12081904)	286.33874 (12092720)
279.34640 (12092720)	284.90175 (12081104)		
3610571.5 |	325.68163 (12081904)	300.98563 (12111424)	290.71914 (12092720)
287.21786 (12081104)	296.54649 (12081104)		
3610558.3 |	320.47690 (12081904)	299.75690 (12092720)	291.27676 (12092720)
302.00661 (12081104)	303.66253 (12081104)		
3610545.1 |	315.18254 (12111424)	304.23374 (12092720)	306.05054 (12081104)
312.43904 (12081104)	305.91859 (12081104)		
3610531.9 |	314.55939 (12092720)	308.26879 (12081104)	319.99094 (12081104)
317.75612 (12081104)	303.54043 (12091519)		
3610518.7 |	318.92156 (12092720)	325.97269 (12081104)	328.80848 (12081104)
317.57601 (12081104)	314.86545 (12100121)		
3610505.5 |	330.22986 (12081104)	338.66607 (12081104)	331.90745 (12081104)
321.66550 (12091519)	327.59074 (12100121)		
3610492.3 |	347.11086 (12081104)	345.43580 (12081104)	332.32879 (12091519)
336.35717 (12100121)	331.17141 (12100121)		
3610479.1 |	358.07580 (12081104)	345.77960 (12081104)	344.80476 (12100121)
343.08954 (12100121)	325.01252 (12100121)		
3610465.9 |	362.44116 (12081104)	352.75311 (12100121)	355.07695 (12100121)
339.55696 (12100121)	335.56028 (12080721)		
3610452.6 |	366.49937 (12091519)	366.98014 (12100121)	354.41787 (12100121)
348.40509 (12080721)	343.34013 (12080721)		
3610439.4 |	379.05353 (12100121)	369.71172 (12100121)	361.89341 (12080721)
357.28754 (12080721)	346.16474 (12100224)		
3610426.2 |	385.70466 (12100121)	376.45955 (12080721)	371.99445 (12080721)
358.06152 (12100224)	355.10344 (12080801)		
3610413.0 |	392.38739 (12080721)	388.05118 (12080721)	371.73319 (12080721)
370.67782 (12080801)	366.64536 (12080801)		
3610399.8 |	405.54099 (12080721)	388.29535 (12080721)	387.05493 (12080801)
381.05564 (12080801)	365.13752 (12080801)		
3610386.6 |	406.31127 (12080721)	404.68839 (12080801)	396.10347 (12080801)
377.22047 (12080801)	370.81846 (12080722)		

3610373.4 |	423.53967 (12080801)	412.03967 (12080801)	389.72311 (12080801)
398.60281 (12080722)	401.36768 (10061621)		
3610360.2 |	428.79885 (12080801)	419.23901 (12080722)	426.63309 (12080722)
425.24834 (10061621)	415.95186 (10061621)		
3610347.0 |	453.26671 (12080722)	454.37401 (12080722)	447.36881 (10061621)
430.30377 (10061621)	404.18084 (10061621)		
3610333.8	480.96700 (12080722)	466.60514 (10061621)	440.86523 (10061621)
429.49715 (12080724)	416.86570 (12080724)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491172.36	491193.16	491213.96
491234.76	491255.56		

3610598.0 |	281.04035 (12081104)	281.77182 (12081104)	272.84952 (12081104)
267.61146 (12091519)	278.87447 (12100121)		
3610584.7 |	289.65319 (12081104)	283.27061 (12081104)	272.02631 (12091519)
280.74249 (12100121)	284.30375 (12100121)		
3610571.5 |	293.86635 (12081104)	280.45181 (12081104)	283.90081 (12100121)
288.59328 (12100121)	282.82588 (12100121)		
3610558.3 |	293.39104 (12081104)	287.92461 (12100121)	295.36790 (12100121)
290.24769 (12100121)	274.35038 (12100121)		
3610545.1 |	295.04236 (12091519)	302.29795 (12100121)	299.49218 (12100121)
284.43068 (12100121)	278.60793 (12080721)		
3610531.9 |	308.86013 (12100121)	308.96692 (12100121)	295.67463 (12100121)
283.24188 (12080721)	287.48708 (12080721)		
3610518.7 |	318.41907 (12100121)	307.35941 (12100121)	289.87007 (12080721)
292.89234 (12080721)	296.93774 (12100224)		
3610505.5 |	319.20188 (12100121)	299.20870 (12080721)	301.80988 (12080721)
302.25246 (12100224)	298.47160 (12100224)		
3610492.3 |	310.96708 (12100121)	312.38140 (12080721)	310.88018 (12100224)
305.07274 (12100224)	291.41776 (12080801)		

3610479.1 |	323.56387 (12080721)	320.20167 (12100224)	314.44829 (12100224)
301.43897 (12080801)	304.97027 (12080801)		
3610465.9 |	330.40727 (12080721)	324.45846 (12100224)	313.77134 (12080801)
315.68518 (12080801)	310.45556 (12080801)		
3610452.6 |	335.00783 (12100224)	326.72213 (12080801)	327.53773 (12080801)
320.34873 (12080801)	306.55404 (12080801)		
3610439.4 |	340.49432 (12080801)	339.90620 (12080801)	330.90464 (12080801)
314.99643 (12080801)	310.57604 (12062722)		
3610426.2 |	352.94268 (12080801)	341.90091 (12080801)	325.77625 (12062722)
321.21024 (12062722)	321.03214 (12080722)		
3610413.0 |	353.29819 (12080801)	339.13236 (12062722)	331.45478 (12062722)
337.44486 (12080722)	343.62727 (10061621)		
3610399.8 |	352.60962 (12062722)	354.11313 (12080722)	358.62780 (10061621)
357.95486 (10061621)	350.86927 (10061621)		
3610386.6 |	377.51148 (12080722)	379.29819 (10061621)	373.17824 (10061621)
359.16306 (10061621)	339.84287 (10061621)		
3610373.4 |	398.63916 (10061621)	386.35300 (10061621)	366.60534 (10061621)
344.27315 (12080724)	340.45044 (12080724)		
3610360.2 |	397.00817 (10061621)	371.09175 (12080724)	365.97992 (12080724)
358.61134 (11010918)	351.13273 (11010918)		
3610347.0 |	395.65498 (12080724)	384.90061 (12080724)	374.51137 (11010918)
360.37900 (11010918)	343.04356 (11010918)		
3610333.8	401.05589 (11010918)	384.46721 (11010918)	363.92223 (11010918)
340.73686 (11010918)	330.01383 (11070322)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491276.36	491297.16	491317.96
491338.76	491359.56		

3610598.0 |	279.66796 (12100121)	269.58274 (12100121)	253.81823 (12080721)
261.77221 (12080721)	264.91753 (12100224)		

3610584.7 |	276.30698 (12100121)	258.37097 (12100121)	265.61173 (12080721)
267.95087 (12100224)	274.44016 (12100224)		
3610571.5 |	266.41935 (12100121)	269.76901 (12080721)	272.26336 (12080721)
278.22314 (12100224)	273.71700 (12100224)		
3610558.3 |	274.14746 (12080721)	277.11758 (12080721)	282.37018 (12100224)
277.90671 (12100224)	262.69369 (12100224)		
3610545.1 |	282.24988 (12080721)	287.04794 (12100224)	282.49352 (12100224)
266.81034 (12100224)	273.26157 (12080801)		
3610531.9 |	291.92448 (12100224)	287.56925 (12100224)	271.37283 (12100224)
279.13888 (12080801)	281.94321 (12080801)		
3610518.7 |	292.93544 (12100224)	277.12884 (12080801)	285.22496 (12080801)
287.15217 (12080801)	283.75034 (12080801)		
3610505.5 |	284.15934 (12080801)	291.70702 (12080801)	292.55478 (12080801)
287.40792 (12080801)	277.93265 (12080801)		
3610492.3 |	298.22704 (12080801)	298.14588 (12080801)	291.73296 (12080801)
279.99270 (12080801)	281.64242 (12062722)		
3610479.1 |	303.79168 (12080801)	296.15019 (12080801)	286.13103 (12062722)
286.62708 (12062722)	281.92086 (12062722)		
3610465.9 |	300.48460 (12080801)	293.77624 (12062722)	292.35173 (12062722)
287.81438 (12080722)	297.59384 (10061621)		
3610452.6 |	301.10814 (12062722)	297.56769 (12062722)	301.93994 (12080722)
310.85519 (10061621)	315.52482 (10061621)		
3610439.4 |	305.54466 (12080722)	315.59168 (10061621)	323.28906 (10061621)
324.20710 (10061621)	318.98157 (10061621)		
3610426.2 |	330.28365 (10061621)	334.30710 (10061621)	331.30984 (10061621)
322.26893 (10061621)	308.31542 (10061621)		
3610413.0 |	343.63178 (10061621)	336.48335 (10061621)	323.50061 (10061621)
306.12082 (10061621)	301.36390 (10083120)		
3610399.8 |	339.42992 (10061621)	322.48054 (10061621)	312.87214 (12080724)
313.53379 (12080724)	315.37630 (11010918)		
3610386.6 |	325.58798 (12080724)	326.13056 (12080724)	327.20893 (11010918)
325.00301 (11010918)	318.73566 (11010918)		
3610373.4 |	339.88461 (11010918)	337.06746 (11010918)	330.08761 (11010918)
319.58866 (11010918)	306.23774 (11010918)		
3610360.2 |	341.93022 (11010918)	330.20598 (11010918)	315.62729 (11010918)
300.78849 (11032802)	298.26342 (11070322)		
3610347.0 |	324.90595 (11010918)	314.38443 (11070322)	311.43266 (11070322)
306.34096 (11070322)	299.48937 (11070322)		
3610333.8	323.91830 (11070322)	317.07206 (11070322)	309.51265 (11070121)
305.82133 (11070121)	300.96963 (11070121)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |		X-COORD (METERS)
(METERS) |	491380.36	

```

3610598.0 | 270.53992 (12100224)
3610584.7 | 269.50287 (12100224)
3610571.5 | 258.66411 (12100224)
3610558.3 | 267.71352 (12080801)
3610545.1 | 276.87831 (12080801)
3610531.9 | 278.96161 (12080801)
3610518.7 | 274.22807 (12080801)
3610505.5 | 275.21838 (12062722)
3610492.3 | 278.00304 (12062722)
3610479.1 | 285.08424 (12080722)
3610465.9 | 305.17084 (10061621)
3610452.6 | 313.71176 (10061621)
3610439.4 | 308.34173 (10061621)
3610426.2 | 290.46399 (10061621)
3610413.0 | 301.57829 (11010918)
3610399.8 | 313.43857 (11010918)
3610386.6 | 309.49510 (11010918)
3610373.4 | 291.16823 (11010918)
3610360.2 | 295.10846 (11070322)
3610347.0 | 292.31544 (11070121)
3610333.8 | 298.34847 (12062422)

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	491360.32	491426.76	491376.93	X-COORD (METERS) 491393.54
---------------------	-----------	-----------	-----------	-------------------------------

3610184.5 |	250.26605 (10090920)	246.95269 (10090920)	243.68937 (10090920)
240.58026 (10090920)	237.40998 (10090920)		
3610142.8 |	227.15166 (10111819)	222.75361 (10041020)	220.01357 (10041020)
217.08837 (10041020)	214.07275 (10041020)		
3610101.2 |	237.73142 (10091421)	231.91050 (10091421)	228.89705 (10111819)
227.73387 (10111819)	226.10513 (10111819)		
3610059.6 |	214.48291 (10091421)	217.90719 (10091421)	220.27386 (10091421)
221.60932 (10091421)	222.03105 (10091421)		
3610018.0 |	216.41518 (10091520)	215.50690 (10091520)	213.05102 (10091520)
209.19493 (10091520)	204.11203 (10091520)		
3609976.4 |	195.88707 (12112102)	192.04280 (11070824)	192.77971 (10080922)
193.18237 (10080922)	193.24118 (10091520)		
3609934.8 |	194.90627 (10100820)	185.21894 (10100820)	181.11109 (10041921)
182.60071 (12112102)	182.57595 (12112102)		
3609893.2 |	196.23823 (10062122)	195.17049 (10100820)	194.24161 (10100820)
190.77858 (10100820)	185.01485 (10100820)		
3609851.6 |	187.67034 (10062221)	189.93366 (10062221)	189.25120 (10062221)
185.82925 (10062221)	184.25607 (10062122)		
3609810.0 |	173.24166 (10112118)	172.89398 (11070901)	175.03297 (11070901)
174.43516 (11070901)	178.16629 (10062221)		
3609768.4 |	174.25698 (10081121)	172.88476 (10112118)	170.45639 (10112118)
165.07750 (10112118)	162.66652 (12022820)		
3609726.7 |	167.01565 (10081121)	169.62137 (10081121)	168.97031 (10081121)
165.18468 (10081121)	164.44627 (10112118)		
3609685.1 |	151.87728 (12121518)	151.94012 (12121518)	153.64139 (10081121)
160.27937 (10081121)	161.99634 (10081121)		
3609643.5 |	130.47539 (12121518)	137.77920 (12121518)	144.36495 (12121518)
145.98120 (12121518)	144.63143 (12121518)		
3609601.9 |	97.10395 (12121518)	110.46119 (12121518)	121.63050 (12121518)
129.79874 (12121518)	136.97053 (12121518)		
3609560.3 |	63.09309 (12042424)	75.38118 (12121518)	89.12740 (12121518)
102.05356 (12121518)	113.28712 (12121518)		
3609518.7 |	45.51030 (12102920)	50.73589 (12101418)	58.15699 (12042424)
68.93237 (12121518)	81.85994 (12121518)		
3609477.1 |	35.19711 (12102920)	40.56882 (12102920)	45.11325 (12102920)
48.41381 (12102920)	53.66353 (12042424)		
3609435.5 |	42.64702 (12112922)	37.54791 (12112922)	35.41428 (12102920)
40.63035 (12102920)	44.76889 (12102920)		
3609393.9 |	47.46266 (12112922)	44.99912 (12112922)	40.89038 (12112922)
35.63127 (12112922)	35.54080 (12102920)		
3609352.2	47.80315 (12112922)	48.02597 (12112922)	46.42955 (12112922)
43.37289 (12112922)	38.95232 (12112922)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491443.37	491459.98	491476.59
	|	491493.20	491509.81	

3610184.5	|	234.23955 (10090920)	230.95567 (10090920)	227.76423 (10090920)
224.68239		(10090920)	221.80186 (10090920)	
3610142.8	|	210.90054 (10041020)	207.54268 (10041020)	204.02923 (10041020)
200.36152		(10041020)	197.27794 (10090920)	
3610101.2	|	224.02099 (10111819)	221.40576 (10111819)	218.26947 (10111819)
214.71976		(10111819)	211.05343 (10111819)	
3610059.6	|	221.55602 (10091421)	220.36889 (10091421)	218.36507 (10091421)
215.62608		(10091421)	212.17394 (10091421)	
3610018.0	|	197.96091 (10091520)	190.87968 (10091520)	187.20536 (11010118)
187.37482		(11010118)	191.44295 (10091421)	
3609976.4	|	195.84455 (10091520)	197.07631 (10091520)	197.08037 (10091520)
195.87524		(10091520)	193.54592 (10091520)	
3609934.8	|	181.06452 (12112102)	178.17076 (12112102)	176.26069 (11070824)
177.14370		(10080922)	177.41301 (10080922)	
3609893.2	|	177.26678 (10100820)	169.26776 (10041921)	167.75304 (12112102)
169.23412		(12112102)	169.49843 (12112102)	
3609851.6	|	183.09116 (10100820)	182.75052 (10100820)	180.31578 (10100820)
175.90708		(10100820)	169.71691 (10100820)	
3609810.0	|	179.45805 (10062221)	178.29541 (10062221)	174.82955 (10062221)
173.83311		(10062122)	172.73249 (10062122)	
3609768.4	|	165.13026 (11070901)	165.69588 (11070901)	166.83143 (10062221)
169.53259		(10062221)	170.11735 (10062221)	
3609726.7	|	162.39904 (10112118)	157.77330 (10112118)	154.17899 (12022820)
155.98366		(11070901)	157.45426 (11070901)	
3609685.1	|	160.90364 (10081121)	157.10131 (10081121)	156.93616 (10112118)
155.19258		(10112118)	151.18288 (10112118)	

3609643.5 |	150.55492 (10081121)	154.03700 (10081121)	155.07415 (10081121)
153.65319 (10081121)	149.84581 (10081121)		
3609601.9 |	139.80901 (12121518)	140.00098 (12121518)	138.86086 (10081121)
145.54272 (10081121)	148.19178 (10081121)		
3609560.3 |	122.05546 (12121518)	127.76375 (12121518)	133.53495 (12121518)
134.95428 (12121518)	134.01057 (12121518)		
3609518.7 |	94.28776 (12121518)	105.43993 (12121518)	114.59199 (12121518)
121.14038 (12121518)	127.32702 (12121518)		
3609477.1 |	63.09817 (12121518)	75.23547 (12121518)	87.12914 (12121518)
98.09348 (12121518)	107.46264 (12121518)		
3609435.5 |	47.60146 (12102920)	49.84248 (12101418)	57.80455 (12121518)
69.18640 (12121518)	80.52778 (12121518)		
3609393.9 |	40.28848 (12102920)	44.34941 (12102920)	46.95796 (12102920)
48.20147 (12102920)	53.54388 (12042424)		
3609352.2	33.62942 (12112922)	35.58669 (12102920)	39.96956 (12102920)
43.58106 (12102920)	46.03669 (12102920)		

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491526.42	491543.03	491559.64
	491576.25	491592.86	

3610184.5 |	218.91647 (10090920)	215.98580 (10090920)	213.00451 (10090920)
210.05193 (10090920)	207.12768 (10090920)		
3610142.8 |	196.74061 (10090920)	195.96533 (10090920)	195.14563 (10090920)
194.33144 (10090920)	193.46103 (10090920)		
3610101.2 |	207.06666 (10111819)	202.88727 (10111819)	198.29839 (10111819)
193.54492 (10111819)	188.66000 (10111819)		
3610059.6 |	208.27123 (10091421)	203.99021 (10091421)	199.14279 (10091421)
197.74519 (10111819)	197.34600 (10111819)		
3610018.0 |	193.97342 (10091421)	195.79552 (10091421)	197.02255 (10091421)
197.57650 (10091421)	197.51547 (10091421)		

3609976.4	|	190.11620	(10091520)	185.72224	(10091520)	180.61466	(10091520)
174.77623		(10091520)	168.46087	(11010118)			
3609934.8	|	176.75686	(10091520)	179.37255	(10091520)	180.96787	(10091520)
181.55552		(10091520)	181.17609	(10091520)			
3609893.2	|	168.55432	(12112102)	166.45883	(12112102)	163.30973	(12112102)
163.23214		(11070824)	164.22581	(10080922)			
3609851.6	|	161.99313	(10100820)	157.89658	(10041921)	156.60564	(12112102)
158.04079		(12112102)	158.47127	(12112102)			
3609810.0	|	172.72580	(10100820)	171.07388	(10100820)	167.70579	(10100820)
162.71788		(10100820)	156.30510	(10100820)			
3609768.4	|	168.65508	(10062221)	165.23918	(10062221)	164.76633	(10062122)
163.89720		(10062122)	163.78100	(10100820)			
3609726.7	|	156.91909	(11070901)	159.81633	(10062221)	161.68868	(10062221)
161.76169		(10062221)	160.03945	(10062221)			
3609685.1	|	146.46363	(12022820)	147.67794	(12022820)	149.68878	(11070901)
150.03471		(11070901)	150.41699	(10062221)			
3609643.5	|	150.17831	(10112118)	148.65605	(10112118)	145.10719	(10112118)
139.68243		(10112118)	141.00448	(12022820)			
3609601.9	|	148.68134	(10081121)	147.00447	(10081121)	143.46831	(10112118)
144.01036		(10112118)	142.71852	(10112118)			
3609560.3	|	134.85860	(10081121)	140.74119	(10081121)	142.73799	(10081121)
142.81482		(10081121)	140.94052	(10081121)			
3609518.7	|	129.71360	(12121518)	129.98973	(12121518)	128.12568	(12121518)
130.86833		(10081121)	136.20305	(10081121)			
3609477.1	|	114.64393	(12121518)	121.27978	(12121518)	124.39741	(12121518)
125.65722		(12121518)	125.01853	(12121518)			
3609435.5	|	91.22960	(12121518)	100.68176	(12121518)	108.31100	(12121518)
113.67141		(12121518)	119.13480	(12121518)			
3609393.9	|	63.65149	(12121518)	74.43777	(12121518)	84.82082	(12121518)
94.23710		(12121518)	102.15233	(12121518)			
3609352.2		47.11409	(12102920)	49.62437	(12042424)	58.58196	(12121518)
68.81026		(12121518)	78.82812	(12121518)			

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD			X-COORD (METERS)
(METERS)	491609.47	491626.08	491642.69
	491659.30	491675.91	

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-----
3610184.5 | 204.37466 (10090920) 201.65445 (10090920) 198.82249 (10090920)
 196.16551 (10090920) 193.58777 (10090920)
3610142.8 | 192.50140 (10090920) 191.45336 (10090920) 190.40139 (10090920)
 189.39680 (10090920) 188.40339 (10090920)
3610101.2 | 183.67316 (10111819) 182.19505 (10041020) 180.70152 (10041020)
 179.14717 (10041020) 177.51167 (10041020)
3610059.6 | 196.56749 (10111819) 195.40007 (10111819) 193.75401 (10111819)
 191.89738 (10111819) 189.86674 (10111819)
3610018.0 | 196.90275 (10091421) 195.70875 (10091421) 193.86070 (10091421)
 191.62376 (10091421) 188.96929 (10091421)
3609976.4 | 169.32333 (11010118) 169.60493 (11010118) 169.33569 (11010118)
 173.20599 (10091421) 175.29038 (10091421)
3609934.8 | 179.87687 (10091520) 177.71069 (10091520) 174.73534 (10091520)
 170.98959 (10091520) 166.58893 (10091520)
3609893.2 | 164.47742 (10080922) 163.86481 (10080922) 165.69827 (10091520)
 167.43790 (10091520) 168.37282 (10091520)
3609851.6 | 157.89316 (12112102) 156.37988 (12112102) 153.96980 (12112102)
 152.37653 (11070824) 152.46058 (10080922)
3609810.0 | 148.75420 (10041921) 148.15011 (10041921) 146.97648 (12112102)
 148.33684 (12112102) 148.87090 (12112102)
3609768.4 | 162.68160 (10100820) 160.08094 (10100820) 156.00915 (10100820)
 150.68692 (10100820) 144.23036 (10100820)
3609726.7 | 156.61692 (10062221) 156.60244 (10062122) 155.92925 (10062122)
 155.68988 (10100820) 155.01724 (10100820)
3609685.1 | 153.19371 (10062221) 154.42931 (10062221) 154.08896 (10062221)
 152.19055 (10062221) 148.80334 (10062221)
3609643.5 | 142.39057 (11070901) 143.41568 (11070901) 142.93089 (11070901)
 144.91507 (10062221) 147.02807 (10062221)
3609601.9 | 139.59340 (10112118) 134.74874 (10112118) 134.81732 (12022820)
 135.60824 (11070901) 137.14581 (11070901)
3609560.3 | 137.92306 (10112118) 138.43717 (10112118) 137.30435 (10112118)
 134.53757 (10112118) 130.20463 (10112118)
3609518.7 | 137.67621 (10081121) 137.40703 (10081121) 135.38797 (10081121)
 132.84688 (10112118) 133.36906 (10112118)
3609477.1 | 123.47741 (10081121) 129.37288 (10081121) 131.92981 (10081121)
 132.96821 (10081121) 132.44755 (10081121)
3609435.5 | 121.20409 (12121518) 121.55326 (12121518) 120.11500 (12121518)
 120.53055 (10081121) 125.81641 (10081121)
3609393.9 | 108.13037 (12121518) 113.96393 (12121518) 116.62283 (12121518)
 117.75953 (12121518) 117.31935 (12121518)
3609352.2 | 88.13036 (12121518) 96.22593 (12121518) 102.68365 (12121518)
 107.11884 (12121518) 112.04669 (12121518)

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*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

Y-COORD | X-COORD (METERS)
(METERS) | 491692.52

3610184.5 | 190.84432 (10090920)
3610142.8 | 187.33868 (10090920)
3610101.2 | 175.77010 (10041020)
3610059.6 | 187.72318 (10111819)
3610018.0 | 186.04065 (10091421)
3609976.4 | 176.90580 (10091421)
3609934.8 | 161.53366 (10091520)
3609893.2 | 168.54589 (10091520)
3609851.6 | 153.34632 (10080922)
3609810.0 | 148.58894 (12112102)
3609768.4 | 140.30812 (10041921)
3609726.7 | 153.04348 (10100820)
3609685.1 | 149.25627 (10062122)
3609643.5 | 147.76504 (10062221)
3609601.9 | 137.36905 (11070901)
3609560.3 | 129.12127 (12022820)
3609518.7 | 132.35592 (10112118)
3609477.1 | 130.33987 (10081121)
3609435.5 | 127.91451 (10081121)
3609393.9 | 115.26183 (12121518)
3609352.2 | 113.85142 (12121518)

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491164.27	3610233.74	322.87266	(10040819)	491278.96
3610288.22	343.81166	(10091321)		
491317.19	3610288.22	329.58126	(10091321)	491355.42
3610288.22	317.22981	(10110918)		
491393.65	3610342.70	292.20375	(11070121)	491431.88
3610342.70	286.32276	(12062422)		
491470.11	3610342.70	279.80599	(12062422)	491508.34
3610342.70	274.20511	(10091321)		
491546.57	3610342.70	273.62666	(10091321)	491584.80
3610342.70	270.62767	(10091321)		
491623.03	3610342.70	266.25215	(10091321)	491508.34
3610397.18	263.85606	(11070322)		
491546.57	3610397.18	259.97782	(11070322)	491584.80
3610397.18	252.35155	(11070322)		
491623.03	3610397.18	242.53752	(11070121)	491508.34
3610451.66	274.87864	(11010918)		
491546.57	3610451.66	276.53246	(11010918)	491584.80
3610451.66	269.48337	(11010918)		
491623.03	3610451.66	255.32146	(11010918)	491508.34
3610506.14	283.60666	(10061621)		
491546.57	3610506.14	272.91276	(10061621)	491584.80
3610506.14	251.93617	(10061621)		
491623.03	3610506.14	240.63955	(10083120)	491508.34
3610560.62	251.96165	(12062722)		
491546.57	3610560.62	242.41559	(12062722)	491584.80
3610560.62	247.03474	(10061621)		
491623.03	3610560.62	258.14550	(10061621)	491087.81
3610615.10	311.71864	(12081904)		
491126.04	3610615.10	276.95981	(12111424)	491508.34
3610615.10	252.38212	(12080801)		
491546.57	3610615.10	246.25226	(12080801)	491584.80
3610615.10	230.03684	(12062722)		
491623.03	3610615.10	233.53394	(12062722)	491087.81
3610669.58	275.42315	(12090520)		
491126.04	3610669.58	289.15218	(12081904)	491508.34
3610669.58	245.99565	(12100224)		

491546.57	3610669.58	220.48728	(12051520)	491584.80
3610669.58	234.22633	(12080801)		
491623.03	3610669.58	236.51723	(12080801)	491546.57
3610724.06	230.73310	(12100224)		
491584.80	3610724.06	234.89275	(12100224)	491623.03
3610724.06	215.55716	(12100224)		
491546.57	3610778.54	211.99375	(12100121)	491584.80
3610778.54	210.04806	(12080721)		
491623.03	3610778.54	216.62972	(12080721)	490934.89
3610833.02	254.22935	(12060623)		
490973.12	3610833.02	233.04686	(12092101)	491011.35
3610833.02	238.85312	(12122818)		
491049.58	3610833.02	242.38863	(12122818)	491087.81
3610833.02	228.68885	(12110519)		
491126.04	3610833.02	229.40772	(12100320)	491164.27
3610833.02	234.51178	(12090520)		
491202.50	3610833.02	238.23304	(12081904)	491240.73
3610833.02	252.78401	(12081904)		
491278.96	3610833.02	234.31229	(12111424)	491317.19
3610833.02	219.54763	(12092720)		
491355.42	3610833.02	207.76660	(12092720)	491393.65
3610833.02	220.27163	(12081104)		
491431.88	3610833.02	228.07428	(12081104)	491470.11
3610833.02	215.44473	(12081104)		
491508.34	3610833.02	214.01776	(12091519)	491546.57
3610833.02	228.31454	(12100121)		
491584.80	3610833.02	221.98111	(12100121)	491623.03
3610833.02	196.36363	(12100121)		
490934.89	3610887.50	250.20422	(12060623)	490973.12
3610887.50	226.16944	(12092402)		
491011.35	3610887.50	230.15409	(12092101)	491049.58
3610887.50	240.60412	(12122818)		
491087.81	3610887.50	232.67834	(12110519)	491126.04
3610887.50	201.37134	(12100320)		
491164.27	3610887.50	224.44052	(12100320)	491202.50
3610887.50	228.02904	(12090520)		
491240.73	3610887.50	232.98041	(12081904)	491278.96
3610887.50	244.38030	(12081904)		
491317.19	3610887.50	227.20656	(12111424)	491355.42
3610887.50	210.46106	(12092720)		
491393.65	3610887.50	203.56866	(12092720)	491431.88
3610887.50	202.66089	(12081104)		
491470.11	3610887.50	218.43682	(12081104)	491508.34
3610887.50	214.73570	(12081104)		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	201.40108	(12091519)	491584.80
3610887.50	210.30984	(12100121)		
491623.03	3610887.50	219.54905	(12100121)	490858.43
3610941.98	222.87332	(12083004)		
490896.66	3610941.98	249.30153	(10120818)	490934.89
3610941.98	243.29162	(12060623)		
490973.12	3610941.98	219.25941	(12060623)	491011.35
3610941.98	225.74570	(12092101)		
491049.58	3610941.98	226.84102	(12122818)	491087.81
3610941.98	229.11668	(12122818)		
491126.04	3610941.98	223.64523	(12110519)	491164.27
3610941.98	204.24003	(12100320)		
491202.50	3610941.98	217.34066	(12100320)	491240.73
3610941.98	220.89356	(12090520)		
491278.96	3610941.98	227.85799	(12081904)	491317.19
3610941.98	236.58274	(12081904)		
491355.42	3610941.98	220.52209	(12111424)	491393.65
3610941.98	201.71669	(12092720)		
491431.88	3610941.98	199.27536	(12092720)	491470.11
3610941.98	183.82448	(12081104)		
491508.34	3610941.98	205.79573	(12081104)	491546.57
3610941.98	210.31855	(12081104)		
491584.80	3610941.98	197.77091	(12081104)	491623.03
3610941.98	194.46802	(12091519)		
490858.43	3610996.46	214.26113	(12083004)	490896.66
3610996.46	241.37689	(10120818)		
490934.89	3610996.46	234.03562	(12060623)	490973.12
3610996.46	223.56652	(12060623)		
491011.35	3610996.46	213.51307	(12092402)	491049.58
3610996.46	213.44703	(12092101)		
491087.81	3610996.46	228.09614	(12122818)	491126.04
3610996.46	220.55828	(12110519)		
491164.27	3610996.46	202.41414	(12110519)	491202.50
3610996.46	204.27106	(12100320)		

491240.73	3610996.46	208.56793	(12100320)	491278.96
3610996.46	215.12448	(12083006)		
491317.19	3610996.46	223.02615	(12081904)	491355.42
3610996.46	229.37617	(12081904)		
491393.65	3610996.46	214.10516	(12111424)	491431.88
3610996.46	192.89434	(12092720)		
491470.11	3610996.46	194.22448	(12092720)	491508.34
3610996.46	179.34970	(12090321)		
491546.57	3610996.46	190.78185	(12081104)	491584.80
3610996.46	201.85568	(12081104)		
491623.03	3610996.46	196.79916	(12081104)	490858.43
3611050.94	205.75735	(12092401)		
490896.66	3611050.94	232.09686	(10120818)	490934.89
3611050.94	226.61915	(12080805)		
490973.12	3611050.94	225.13067	(12060623)	491011.35
3611050.94	209.20227	(12092402)		
491049.58	3611050.94	215.67378	(12092101)	491087.81
3611050.94	216.29230	(12122818)		
491126.04	3611050.94	217.35624	(12122818)	491164.27
3611050.94	216.39083	(12110519)		
491202.50	3611050.94	177.62639	(12060601)	491240.73
3611050.94	202.46687	(12100320)		
491278.96	3611050.94	201.36999	(12090520)	491317.19
3611050.94	209.67208	(12083006)		
491355.42	3611050.94	217.96374	(12081904)	491393.65
3611050.94	222.24674	(12081904)		
491431.88	3611050.94	207.99614	(12111424)	491470.11
3611050.94	184.13788	(12092720)		
491508.34	3611050.94	188.77892	(12092720)	491546.57
3611050.94	176.10545	(12092720)		
491584.80	3611050.94	173.73725	(12081104)	491623.03
3611050.94	190.19385	(12081104)		
490858.43	3611105.42	199.56933	(12092401)	490896.66
3611105.42	223.00656	(10120818)		
490934.89	3611105.42	226.02363	(10120818)	490973.12
3611105.42	223.36632	(12060623)		
491011.35	3611105.42	199.63199	(12092402)	491049.58
3611105.42	209.08756	(12092101)		
491087.81	3611105.42	196.54129	(12122818)	491126.04
3611105.42	216.65131	(12122818)		
491164.27	3611105.42	207.99875	(12110519)	491202.50
3611105.42	201.27233	(12110519)		
491240.73	3611105.42	181.46328	(12100320)	491278.96
3611105.42	198.68184	(12100320)		
491317.19	3611105.42	198.14374	(12090520)	491355.42
3611105.42	203.75379	(12083006)		

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491393.65	3611105.42	213.17287	(12081904)	491431.88
3611105.42	215.34300	(12081904)		
491470.11	3611105.42	202.14617	(12111424)	491508.34
3611105.42	177.33159	(12111424)		
491546.57	3611105.42	183.14702	(12092720)	491584.80
3611105.42	174.34733	(12092720)		
491623.03	3611105.42	161.90851	(12080703)	490858.43
3611159.90	193.68262	(10092519)		
490896.66	3611159.90	213.44836	(10120818)	490934.89
3611159.90	224.15650	(10120818)		
490973.12	3611159.90	219.51629	(12060623)	491011.35
3611159.90	197.11885	(12060623)		
491049.58	3611159.90	199.21278	(12092402)	491087.81
3611159.90	203.41715	(12092101)		
491126.04	3611159.90	206.58662	(12122818)	491164.27
3611159.90	206.84483	(12122818)		
491202.50	3611159.90	208.21382	(12110519)	491240.73
3611159.90	178.04172	(12110519)		
491278.96	3611159.90	183.17619	(12100320)	491317.19
3611159.90	193.29668	(12100320)		
491355.42	3611159.90	194.20439	(12090520)	491393.65
3611159.90	197.17879	(12083006)		
491431.88	3611159.90	208.32614	(12081904)	491470.11
3611159.90	208.84820	(12081904)		
491508.34	3611159.90	196.21434	(12111424)	491546.57
3611159.90	174.48191	(12111424)		
491584.80	3611159.90	177.47538	(12092720)	491623.03
3611159.90	171.45736	(12092720)		
490858.43	3611214.38	188.41684	(10092519)	490896.66
3611214.38	204.29439	(12083004)		
490934.89	3611214.38	221.15403	(10120818)	490973.12
3611214.38	213.28736	(12060623)		

491011.35	3611214.38	201.85695	(12060623)	491049.58
3611214.38	196.05468	(12092402)		
491087.81	3611214.38	202.23651	(12092101)	491126.04
3611214.38	189.33922	(12122818)		
491164.27	3611214.38	206.49219	(12122818)	491202.50
3611214.38	195.37221	(12110519)		
491240.73	3611214.38	197.68815	(12110519)	491278.96
3611214.38	163.03841	(12091003)		
491317.19	3611214.38	183.02535	(12100320)	491355.42
3611214.38	186.36203	(12100320)		
491393.65	3611214.38	189.09927	(12090520)	491431.88
3611214.38	190.29901	(12083006)		
491470.11	3611214.38	203.38661	(12081904)	491508.34
3611214.38	202.85637	(12081904)		
491546.57	3611214.38	191.14137	(12111424)	491584.80
3611214.38	171.22898	(12111424)		
491623.03	3611214.38	171.01470	(12092720)	490858.43
3611268.86	183.39300	(10092519)		
490896.66	3611268.86	199.87474	(12083004)	490934.89
3611268.86	216.75666	(10120818)		
490973.12	3611268.86	205.42954	(12060623)	491011.35
3611268.86	203.48129	(12060623)		
491049.58	3611268.86	187.98013	(12092402)	491087.81
3611268.86	193.52621	(12092101)		
491126.04	3611268.86	189.92861	(12092101)	491164.27
3611268.86	197.72841	(12122818)		
491202.50	3611268.86	197.07238	(12122818)	491240.73
3611268.86	198.89057	(12110519)		
491278.96	3611268.86	178.82078	(12110519)	491317.19
3611268.86	161.72562	(12100320)		
491355.42	3611268.86	181.36290	(12100320)	491393.65
3611268.86	179.17416	(12100320)		
491431.88	3611268.86	184.95184	(12083006)	491470.11
3611268.86	183.05472	(12083006)		
491508.34	3611268.86	199.09948	(12081904)	491546.57
3611268.86	197.18056	(12081904)		
491584.80	3611268.86	185.87049	(12111424)	491623.03
3611268.86	167.86942	(12111424)		
490858.43	3611323.34	178.83633	(10092519)	490896.66
3611323.34	195.35570	(12083004)		
490934.89	3611323.34	211.83083	(10120818)	490973.12
3611323.34	202.38117	(12080805)		
491011.35	3611323.34	203.10638	(12060623)	491049.58
3611323.34	175.92303	(12092402)		
491087.81	3611323.34	186.58760	(12092402)	491126.04
3611323.34	193.11394	(12092101)		
491164.27	3611323.34	182.31345	(12122818)	491202.50
3611323.34	197.07273	(12122818)		

*** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***

INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	183.14134	(12110519)	491278.96
3611323.34	192.54760	(12110519)		
491317.19	3611323.34	156.68897	(12060601)	491355.42
3611323.34	164.56466	(12100320)		
491393.65	3611323.34	178.37426	(12100320)	491431.88
3611323.34	170.80889	(12100320)		
491470.11	3611323.34	182.12172	(12083006)	491508.34
3611323.34	175.67167	(12083006)		
491546.57	3611323.34	194.49966	(12081904)	491584.80
3611323.34	191.37482	(12081904)		
491623.03	3611323.34	180.63798	(12111424)	491583.40
3608705.27	30.33415	(12090224)		
491577.37	3608727.37	29.82912	(12090224)	491573.36
3608753.50	31.21706	(11090704)		
491562.30	3608782.64	31.21171	(11090704)	491565.32
3608775.60	31.32632	(11090704)		
491547.23	3608819.81	31.50699	(11090704)	491545.22
3608840.91	32.18205	(11090704)		
491533.16	3608877.09	31.97821	(12010124)	491524.12
3608898.19	32.86426	(12010124)		
491522.11	3608915.27	34.68092	(12010124)	491520.10
3608925.32	35.52838	(12010124)		
491511.06	3608945.41	36.25524	(12010124)	491507.04
3608961.49	37.53649	(12010124)		
491499.00	3608982.59	38.55864	(12010124)	491498.00
3608992.64	39.52410	(12010124)		
491490.96	3609007.71	39.96195	(12010124)	491484.93
3609030.82	41.56982	(12010124)		
491478.91	3609048.91	42.56656	(12010124)	491470.87
3609072.02	43.44854	(12010124)		

491461.82	3609094.12	43.98576	(12010124)	491450.77
3609114.22	44.38209	(12010124)		
491449.77	3609129.29	45.19270	(12010124)	491443.74
3609145.37	45.53405	(12010124)		
491439.72	3609164.46	45.94917	(12010124)	491434.69
3609178.52	46.28658	(12010124)		
491424.65	3609198.62	46.66425	(12010124)	491418.62
3609216.71	46.55733	(12010124)		
491414.60	3609231.78	46.40295	(12010124)	491409.57
3609244.84	46.33835	(12010124)		
491398.52	3609273.98	46.06399	(12010124)	491397.52
3609289.05	46.27525	(12112922)		
491388.47	3609312.16	47.04710	(12112922)	491383.45
3609329.24	47.68585	(12112922)		
491377.42	3609354.36	47.91499	(12112922)	491374.41
3609371.44	47.37306	(12112922)		
491361.34	3609405.61	46.45651	(12112922)	491355.32
3609423.69	45.53860	(12112922)		
491340.24	3609470.92	41.80657	(12112922)	491324.17
3609526.18	35.48688	(12102920)		
491329.19	3609504.08	38.02451	(12112922)	491314.12
3609546.28	37.37676	(12102920)		
491302.06	3609575.42	42.51048	(12101418)	491296.03
3609594.51	48.49930	(12101418)		
491286.99	3609618.62	56.03459	(12101418)	491279.96
3609632.69	59.81079	(12101418)		
491274.93	3609648.77	65.95989	(12101418)	491269.91
3609666.85	74.33757	(12042424)		
491264.88	3609679.92	81.12525	(12121518)	491259.86
3609700.01	96.90695	(12121518)		
491269.76	3609874.49	194.73042	(10112118)	491098.46
3610169.21	333.26134	(10111819)		
491115.74	3610172.91	326.01207	(10111819)	491105.25
3610150.69	328.69728	(10091421)		
491109.57	3610134.65	301.10865	(10091421)	491108.33
3610125.39	302.45172	(10091520)		
491113.27	3610114.29	296.21196	(10091520)	491118.82
3610099.48	279.04033	(10080922)		
491122.52	3610087.75	269.13802	(12092620)	491127.46
3610070.47	261.64448	(12092620)		
491131.78	3610051.96	267.04672	(10100820)	491136.72
3610040.85	263.00941	(10100820)		
491138.57	3610034.07	259.20747	(10062122)	491139.80
3610021.73	256.68963	(10062221)		
491157.08	3610005.06	247.66451	(10062221)	491166.95
3609998.89	243.59811	(10062221)		
491178.68	3609984.70	236.06740	(10062221)	491174.98
3609963.10	222.59960	(11070901)		
491184.23	3609965.57	224.99274	(11070901)	491176.21
3609942.12	221.27925	(10112118)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

PAGE 502

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: EMGPA-A ***
 INCLUDING SOURCE(S): STCK5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	217.46977	(10112118)	491179.91
3609920.53	218.56180	(10081121)		
491191.64	3609922.99	215.76210	(10112118)	491189.17
3609903.25	215.14017	(10081121)		
491198.42	3609906.95	212.68622	(10081121)	491194.72
3609882.27	206.60877	(10081121)		
491205.83	3609887.20	209.87951	(10081121)	491200.89
3609866.84	197.61177	(10081121)		
491205.83	3609849.56	185.24976	(12121518)	491212.62
3609864.99	200.98697	(10081121)		
491303.94	3609929.78	208.29105	(10062122)	491267.54
3609903.25	201.57858	(11070901)		
491277.41	3609879.18	189.67188	(12022820)	491324.31
3609896.46	202.62243	(10062221)		
491135.48	3610120.46	287.63639	(10091520)	491124.99
3610139.59	311.40471	(10091421)		
491130.55	3610141.44	312.92426	(10091421)	491142.89
3610145.14	311.83708	(10091421)		
491165.10	3610151.31	298.11396	(10091421)	491172.51
3610156.25	297.48832	(10111819)		
491183.00	3610155.01	293.02075	(10111819)	491190.40
3610158.72	289.77123	(10111819)		
491197.81	3610138.97	285.84026	(10091421)	491162.02
3610130.33	294.67507	(10091421)		
491150.91	3610113.67	280.97089	(10091520)	491164.49
3610115.52	270.42561	(10091520)		
491178.06	3610123.54	284.29481	(10091421)	491189.17
3610125.39	285.17949	(10091421)		

491197.81	3610126.63	284.29910	(10091421)	491158.93
3610084.05	261.11433	(10080922)		
491175.59	3610088.37	266.24709	(10091520)	491188.55
3610090.84	264.98448	(10091520)		
491202.13	3610096.39	258.50043	(10091520)	491252.11
3610069.86	243.40698	(10091520)		
491240.39	3610095.77	243.21255	(10091421)	491232.36
3610128.48	271.94945	(10091421)		
491220.02	3610152.55	277.22475	(10111819)	491213.85
3610179.70	279.14172	(10090920)		
491204.60	3610206.85	303.48898	(10090920)	491297.77
3610095.16	248.60174	(10091421)		
491316.29	3610102.56	249.39400	(10091421)	491271.24
3610169.21	247.49334	(10090920)		
491296.54	3610170.44	247.15723	(10090920)	491224.34
3609806.98	170.74606	(12121518)		
491232.36	3609786.00	158.23051	(12121518)	491240.39
3609769.96	150.46650	(12121518)		
491245.94	3609753.92	140.13807	(12121518)	491250.26
3609731.08	120.61106	(12121518)		
491255.20	3609716.89	110.29143	(12121518)	491354.41
3609557.94	58.59915	(12101418)		
491349.69	3609575.67	66.06104	(12042424)	491331.95
3609630.05	97.68771	(12121518)		
491310.67	3609696.25	138.31362	(12121518)	491301.22
3609737.63	159.71724	(12121518)		
491289.40	3609771.91	167.35939	(12121518)	491276.39
3609801.46	182.36685	(10081121)		
491310.67	3609805.01	184.85574	(10081121)	492077.18
3610785.74	168.29797	(12062722)		

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |				X-COORD (METERS)
(METERS) |	490903.38		490928.68	490953.98
	490979.28	491004.58		

3610794.6 |	2970.93799 (12062424)	2977.45781 (12060824)	2903.44643 (12081904)
3094.33271 |	(12090522) 3113.45558 (10040821)		
3610785.6 |	2969.38733 (12062424)	3004.40159 (12060824)	2978.85773 (12081904)
3160.00498 |	(12090522) 3164.92804 (10040821)		
3610776.7 |	3020.42751 (12062424)	3062.54735 (12060824)	3098.52638 (12081904)
3220.52383 |	(12090522) 3235.10476 (10040821)		
3610767.7 |	3103.38036 (12062424)	3093.79267 (12060824)	3234.60655 (12090522)
3274.84150 |	(12090522) 3273.48246 (10040821)		
3610758.7 |	3179.06704 (12062424)	3164.77348 (12060824)	3385.99807 (12090522)
3352.70924 |	(10040821) 3285.68527 (10040821)		
3610749.8 |	3270.54813 (12060824)	3272.28690 (12090522)	3487.95949 (12090522)
3464.21007 |	(10040821) 3321.44961 (11041622)		
3610740.8 |	3299.78247 (12060824)	3387.18918 (12090522)	3523.33706 (12090522)
3491.97821 |	(10040821) 3320.95377 (11041622)		
3610731.9 |	3321.35208 (12060824)	3518.24716 (12090522)	3533.15664 (12090522)
3492.19745 |	(10040821) 3324.70200 (11041622)		
3610722.9 |	3334.16782 (12060824)	3597.84828 (12090522)	3579.18398 (10040821)
3484.59455 |	(11041622) 3320.98713 (11041622)		
3610713.9 |	3357.59686 (12060824)	3664.59264 (12090522)	3660.42576 (10040821)
3506.39042 |	(11041622) 3379.30873 (11020821)		
3610705.0 |	3468.64723 (12090522)	3705.13609 (12090522)	3683.64568 (10040821)
3507.85958 |	(11041622) 3428.81415 (11020821)		
3610696.0 |	3616.74730 (12090522)	3734.25542 (12090522)	3702.15360 (10040821)
3553.98497 |	(11020821) 3451.26684 (12060822)		
3610687.1 |	3711.38891 (12090522)	3810.48877 (10040821)	3731.48344 (11041622)
3611.00911 |	(11020821) 3492.70224 (12060822)		
3610678.1 |	3800.34365 (12090522)	3875.76985 (10040821)	3748.85380 (11041622)
3612.32927 |	(11020821) 3523.51692 (10061223)		
3610669.1 |	3856.93843 (12090522)	3891.61372 (10040821)	3733.45646 (11121018)
3639.08753 |	(12060822) 3587.58117 (12060822)		
3610660.2 |	3879.69365 (12090522)	3836.66861 (10040821)	3783.62991 (11121018)
3635.49745 |	(12060822) 3643.65964 (10061223)		
3610651.2 |	3971.37080 (10040821)	3852.62687 (11041622)	3776.69819 (12060822)
3706.93260 |	(10061223) 3673.53594 (10061223)		
3610642.3 |	4037.72844 (10040821)	3850.40061 (11041622)	3833.14279 (12081902)
3733.67792 |	(12090222) 3774.57528 (10061223)		
3610633.3 |	4017.52604 (10040821)	3835.71012 (11041622)	3868.40003 (12081902)
3798.68712 |	(12081902) 3807.17830 (10061223)		
3610624.3 |	3987.46046 (11121018)	3824.71946 (12060822)	3909.71483 (12081902)

3853.04750 (12081902) 3825.16868 (12090323)
 3610615.4 | 4165.35738 (11121018) 3933.62666 (12081902) 4008.80219 (12081902)
 3886.91435 (10061223) 3889.78247 (12100221)
 *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491029.88	491055.18	491080.48
491105.78	491131.08		

 3610794.6 | 3087.27325 (10040821) 3041.62275 (11041622) 3041.72171 (12090222)
 3030.77811 (11020821) 2995.87421 (11020821)
 3610785.6 | 3120.45432 (11041622) 3043.03700 (11041622) 3075.24403 (12090222)
 3043.53900 (11020821) 3011.89047 (11020821)
 3610776.7 | 3147.13004 (11041622) 3072.55397 (12090624) 3091.56902 (11020821)
 3056.89153 (11020821) 3025.95655 (11020821)
 3610767.7 | 3159.75380 (11041622) 3095.17315 (11020821) 3113.05404 (11020821)
 3072.03010 (11020821) 3034.72648 (12060822)
 3610758.7 | 3189.87455 (11041622) 3125.90300 (12090222) 3115.04344 (11020821)
 3092.16151 (11020821) 3055.94460 (12081902)
 3610749.8 | 3189.20358 (12090624) 3162.56722 (11020821) 3122.42098 (11020821)
 3112.15638 (11020821) 3096.36389 (10061223)
 3610740.8 | 3233.99961 (12090222) 3183.59178 (11020821) 3136.75531 (11020821)
 3126.74637 (11020821) 3123.56474 (10061223)
 3610731.9 | 3300.24836 (11020821) 3189.00324 (11020821) 3163.03221 (12060822)
 3166.65120 (10061223) 3201.16427 (12100121)

3610722.9 | 3297.76320 (11020821) 3203.91046 (11020821) 3186.16887 (12081902)
 3212.90391 (10061223) 3251.90441 (12100121)
 3610713.9 | 3320.71175 (11020821) 3229.76145 (12060822) 3237.77964 (12081902)
 3243.20442 (12100121) 3291.32199 (12100121)
 3610705.0 | 3326.45211 (11020821) 3251.34437 (12060822) 3285.92002 (10061223)
 3296.72924 (12100121) 3329.12746 (12100121)
 3610696.0 | 3359.95328 (12060822) 3312.65273 (12081902) 3312.00124 (10061223)
 3366.20174 (12100121) 3342.79070 (12100121)
 3610687.1 | 3423.23129 (12060822) 3363.56069 (10061223) 3360.39945 (12100121)
 3398.13140 (12100121) 3346.45180 (12100221)
 3610678.1 | 3457.97004 (12081902) 3418.57603 (10061223) 3421.42354 (12100121)
 3414.94311 (12100121) 3386.23933 (12100221)
 3610669.1 | 3513.56941 (12081902) 3467.64072 (12100121) 3479.60577 (12100121)
 3457.21041 (12100221) 3392.41204 (12100221)
 3610660.2 | 3569.53332 (10061223) 3523.57511 (12100121) 3532.84197 (12100221)
 3481.16812 (12100221) 3422.72869 (12100221)
 3610651.2 | 3613.51955 (10061223) 3597.18267 (12100221) 3581.05450 (12100221)
 3515.66331 (12100221) 3404.37150 (12100221)
 3610642.3 | 3692.95604 (12100221) 3700.95306 (12100221) 3610.62760 (12100221)
 3505.57889 (12100221) 3386.44856 (12062723)
 3610633.3 | 3758.09613 (12100221) 3770.74159 (12100221) 3641.19399 (12100221)
 3486.04492 (12100221) 3385.16531 (10082303)
 3610624.3 | 3820.52382 (12100221) 3819.70317 (12100221) 3671.12511 (12100221)
 3501.91350 (12100221) 3427.88027 (10082303)
 3610615.4 | 3856.18107 (12100221) 3818.76997 (12100221) 3683.91460 (12100221)
 3534.53560 (10082303) 3490.55028 (10082303)

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491156.38	491181.68	491206.98
			491257.58	
		491232.28		

3610794.6	|	2921.49828 (12060822)	2849.40504 (10061223)	2913.18231 (12100121)
2885.10878		(12100121)	2798.23734 (12100121)	
3610785.6	|	2962.07892 (12081902)	2872.42233 (10061223)	2954.31662 (12100121)
2900.62120		(12100121)	2807.71829 (12100121)	
3610776.7	|	2980.49484 (12081902)	2958.39020 (12100121)	3008.73652 (12100121)
2926.70526		(12100121)	2802.81382 (12100121)	
3610767.7	|	3019.03409 (10061223)	3028.10327 (12100121)	3028.36408 (12100121)
2916.10023		(12100121)	2775.62368 (12100221)	
3610758.7	|	3050.16888 (12100121)	3064.13577 (12100121)	3057.68695 (12100121)
2891.34574		(12100121)	2821.75438 (12062723)	
3610749.8	|	3135.67626 (12100121)	3111.79545 (12100121)	3050.04674 (12100121)
2879.84370		(12100221)	2829.44515 (12062723)	
3610740.8	|	3179.66925 (12100121)	3122.75708 (12100121)	3037.32297 (12100221)
2923.85309		(12062723)	2851.76858 (12062723)	
3610731.9	|	3230.24524 (12100121)	3141.76096 (12100121)	3047.71498 (12100221)
2958.92220		(12062723)	2835.19083 (12062723)	
3610722.9	|	3250.39207 (12100121)	3171.02265 (12100221)	3056.22652 (12062723)
2953.69045		(12062723)	2841.48485 (10081706)	
3610713.9	|	3275.31693 (12100121)	3183.37311 (12100221)	3090.98681 (12062723)
2963.28068		(12062723)	2850.21175 (10081706)	
3610705.0	|	3285.19730 (12100221)	3214.37630 (12100221)	3112.31807 (12062723)
2967.66713		(10081706)	2862.26596 (12052301)	
3610696.0	|	3316.06843 (12100221)	3241.77212 (12062723)	3093.82014 (12062723)
3005.20641		(10081706)	2876.87574 (12052301)	
3610687.1	|	3344.13124 (12100221)	3266.10523 (12062723)	3109.40725 (10081706)
3052.11146		(10082303)	2900.68469 (12052301)	
3610678.1	|	3340.94337 (12100221)	3252.68411 (12062723)	3134.74109 (10081706)
3053.32295		(10082303)	2920.88566 (12080802)	
3610669.1	|	3316.74319 (12100221)	3265.79371 (10081706)	3195.14458 (10082303)
3036.72778		(10082303)	2907.57745 (12080802)	
3610660.2	|	3300.89350 (12062723)	3263.10268 (10081706)	3260.44082 (10082303)
2999.34300		(10082303)	2931.29288 (11040305)	
3610651.2	|	3302.43813 (10081706)	3299.09064 (10082303)	3276.43665 (10082303)
3042.86581		(11040305)	2978.41561 (11040305)	
3610642.3	|	3303.02283 (10082303)	3300.71622 (10082303)	3274.94486 (10082303)
3071.61204		(12080802)	3029.52650 (12080205)	
3610633.3	|	3317.96446 (10082303)	3291.73193 (12080802)	3282.37387 (12080802)
3107.93794		(12080205)	3070.68707 (12080205)	
3610624.3	|	3305.50325 (12080802)	3311.26854 (12080802)	3311.72890 (12080802)
3163.31832		(11040305)	3126.94928 (12080205)	
3610615.4		3373.27792 (10082303)	3346.01757 (12080802)	3287.07417 (11040305)
3206.68670		(12080205)	3144.61195 (12080205)	

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491282.88	491308.18	491333.48
	491358.78	491384.08	

 3610794.6 | 2673.82065 (12100121) 2571.95162 (12062723) 2508.43211 (12062723)
 2238.22479 (12062723) 2130.40969 (12052301)
 3610785.6 | 2653.73346 (12100121) 2579.81461 (12062723) 2494.58462 (12062723)
 2231.11127 (10081706) 2211.38121 (12052301)
 3610776.7 | 2668.19172 (12062723) 2576.47019 (12062723) 2471.78678 (10081706)
 2291.58736 (12052301) 2280.19660 (12052301)
 3610767.7 | 2702.94285 (12062723) 2587.94346 (12062723) 2485.47271 (10081706)
 2373.28029 (12052301) 2324.68997 (12052301)
 3610758.7 | 2699.02964 (12062723) 2592.60765 (10081706) 2487.47588 (12052301)
 2466.79744 (12052301) 2377.22468 (12052301)
 3610749.8 | 2683.86295 (12062723) 2604.75107 (10081706) 2515.21896 (12052301)
 2540.90624 (12052301) 2403.42282 (10082303)
 3610740.8 | 2685.51346 (10081706) 2610.18764 (12052301) 2553.80881 (12052301)
 2534.23056 (12052301) 2443.53012 (12080802)
 3610731.9 | 2696.28803 (10081706) 2634.01355 (12052301) 2600.84668 (12052301)
 2555.15996 (10082303) 2473.69093 (10101704)
 3610722.9 | 2707.84640 (12052301) 2651.79212 (12052301) 2628.11673 (12080802)
 2569.70471 (11040305) 2526.85492 (12080801)
 3610713.9 | 2754.69395 (12052301) 2660.83874 (12052301) 2652.50603 (12080802)
 2628.60583 (11040305) 2591.73324 (12080801)

3610705.0	|	2808.14817	(12052301)	2676.08976	(10082303)	2674.55381	(11040305)
2678.44049		(12080205)	2648.03685	(12080801)			
3610696.0	|	2844.75773	(10082303)	2686.25178	(11040305)	2696.84330	(11040305)
2762.84946		(12080205)	2653.29647	(12080801)			
3610687.1	|	2904.70961	(10082303)	2717.30170	(11040305)	2725.92043	(12080205)
2803.31585		(12080205)	2712.65784	(12080205)			
3610678.1	|	2855.61007	(11040305)	2766.82395	(12080205)	2774.85227	(12080205)
2854.30656		(12080205)	2799.57548	(12080205)			
3610669.1	|	2848.37659	(11040305)	2824.32418	(12080205)	2821.21055	(12080205)
2869.64986		(12080205)	2868.09555	(12080205)			
3610660.2	|	2841.84888	(12080205)	2836.99456	(12080205)	2855.72695	(12080205)
2843.97399		(12080205)	2966.92161	(10111905)			
3610651.2	|	2891.14942	(12080205)	2890.99318	(12080205)	2891.86165	(12080205)
2854.30399		(12080205)	3037.25146	(12090723)			
3610642.3	|	2939.17615	(12080205)	2935.97311	(12080205)	2884.95997	(12080205)
2928.36401		(10111905)	3071.06717	(12090723)			
3610633.3	|	2975.93480	(12080205)	2937.61298	(12080205)	2926.23521	(10111905)
2995.43241		(12090723)	3122.43724	(12090723)			
3610624.3	|	3014.22397	(12080205)	2922.21075	(12080205)	2985.23700	(12090723)
3083.64748		(12090723)	3155.58176	(12090723)			
3610615.4		3007.27545	(12080205)	2938.98303	(12090723)	3010.44952	(12090723)
3159.55093		(12090723)	3194.64723	(11041621)			

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD			X-COORD (METERS)
(METERS)		491409.38	

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-----
3610794.6 | 2150.75742 (12052301)
3610785.6 | 2207.98568 (12052301)
3610776.7 | 2273.80246 (12052301)
3610767.7 | 2312.51935 (12052301)
3610758.7 | 2350.68684 (12080802)
3610749.8 | 2429.31932 (10101704)
3610740.8 | 2512.95904 (11040305)
3610731.9 | 2590.64292 (12080205)
3610722.9 | 2673.68612 (12080205)
3610713.9 | 2714.02681 (12080205)
3610705.0 | 2736.93913 (12080205)
3610696.0 | 2726.40457 (12080205)
3610687.1 | 2727.56735 (12080205)
3610678.1 | 2738.49661 (12080205)
3610669.1 | 2829.41288 (10111905)
3610660.2 | 2918.59403 (12090723)
3610651.2 | 2977.88020 (12090723)
3610642.3 | 3057.59885 (12090723)
3610633.3 | 3096.45984 (12090723)
3610624.3 | 3133.28208 (11041621)
3610615.4 | 3199.45757 (11041621)

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^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***
*** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001253 , L0001254
, L0001255 , L0001256 , L0001257 ,
, L0001258 , L0001259 , L0001260 , L0001261 , L0001262
, L0001263 , L0001264 , L0001265 ,
, L0001266 , L0001267 , L0001268 , L0001269 , L0001270
, L0001271 , L0001272 , L0001273 ,
, L0001274 , L0001275 , L0001276 , L0001277 , L0001278
, L0001279 , L0001280 , . . . ,

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*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

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Y-COORD | X-COORD (METERS)
(METERS) | 490964.36 490985.16 491005.96

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491026.76

491047.56

3610598.0 | 4071.72241 (12090323) 3998.00318 (12100221) 3977.02202 (12100221)
3907.96723 (12100221) 3799.55153 (12100221)
3610584.7 | 4128.88466 (12100221) 4077.95141 (12100221) 4040.74305 (12100221)
3940.92304 (12100221) 3799.99309 (12100221)
3610571.5 | 4132.80105 (12100221) 4108.94122 (12100221) 4019.59334 (12100221)
3939.21473 (12100221) 3867.23835 (10082303)
3610558.3 | 4165.30462 (12100221) 4087.95053 (12100221) 4077.17317 (10082303)
3991.64345 (10082303) 3938.73806 (10082301)
3610545.1 | 4149.73921 (12100221) 4155.87314 (10082303) 4110.00022 (10082301)
4022.23383 (10082301) 4017.04339 (10082303)
3610531.9 | 4215.55342 (10082303) 4194.17163 (10082301) 4152.48945 (10082301)
4084.46183 (10082303) 4064.79756 (10082301)
3610518.7 | 4276.46487 (10082301) 4210.67160 (10082301) 4173.46465 (10082301)
4150.45724 (10082301) 4061.04877 (10082301)
3610505.5 | 4347.05332 (10082301) 4261.60171 (10082301) 4230.66915 (10082301)
4177.05303 (10082301) 4078.95316 (12090723)
3610492.3 | 4324.12900 (10082301) 4285.24349 (10082301) 4204.79036 (10082301)
4160.90040 (11041621) 4119.22861 (12090723)
3610479.1 | 4370.65678 (10082301) 4243.78294 (10082301) 4221.09983 (11041621)
4218.69610 (11041621) 4186.55233 (11041621)
3610465.9 | 4373.81141 (10082301) 4297.26000 (11041621) 4356.10068 (11041621)
4296.29701 (11041621) 4296.82800 (11041621)
3610452.6 | 4478.60553 (11041621) 4485.93496 (11041621) 4532.86201 (11041621)
4432.98825 (11041621) 4421.57920 (11041621)
3610439.4 | 4641.40027 (11041621) 4668.71164 (11041621) 4690.14177 (11041621)
4528.80755 (11041621) 4446.32655 (11041621)
3610426.2 | 4839.64576 (11041621) 4776.79734 (11041621) 4697.40039 (11041621)
4484.14653 (11041621) 4510.27534 (10071502)
3610413.0 | 4993.75537 (11041621) 4745.28239 (11041621) 4606.92052 (10071502)
4609.96968 (10071502) 4607.29231 (10071502)
3610399.8 | 5033.38855 (10071502) 4888.21417 (10071502) 4726.04661 (10071502)
4681.66953 (11021319) 4629.94317 (11021319)
3610386.6 | 5275.20478 (10071502) 5036.91294 (11021319) 4728.44698 (11021319)
4768.83680 (12080702) 4779.16478 (12080702)
3610373.4 | 5336.21107 (11021319) 5173.97700 (12080702) 4938.70317 (12080702)
4928.40696 (11103019) 4925.76652 (11103019)
3610360.2 | 5534.92748 (12080702) 5439.76915 (11103019) 5219.13721 (11103019)
5150.80249 (11103019) 5032.61004 (11103019)
3610347.0 | 5795.78291 (11103019) 5630.76210 (11103019) 5339.54542 (11103019)
5148.64447 (11082824) 5014.03636 (10101019)
3610333.8 | 5817.28712 (11082824) 5677.09331 (10101019) 5414.54395 (10101019)
5200.04962 (10101019) 5136.59616 (10021719)

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*** AERMET - VERSION 22112 *** ***

*** 06:51:10

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491068.36	491089.16	491109.96
	491130.76	491151.56	

 3610598.0 | 3751.38641 (10082303) 3734.43465 (10082303) 3661.27737 (10082301)
 3627.29776 (10082303) 3493.02831 (12080802)
 3610584.7 | 3832.31558 (10082303) 3762.99411 (10082301) 3697.11266 (10082303)
 3663.94457 (10082301) 3535.72586 (10082301)
 3610571.5 | 3859.40181 (10082301) 3795.02362 (10082303) 3733.20256 (10082301)
 3700.15948 (10082301) 3588.86640 (10082301)
 3610558.3 | 3934.23007 (10082303) 3864.03681 (10082301) 3804.57855 (10082301)
 3663.52716 (10082301) 3613.35139 (12080205)
 3610545.1 | 3975.74903 (10082301) 3936.29805 (10082301) 3826.41960 (10082301)
 3717.56166 (12080205) 3690.16179 (12090723)
 3610531.9 | 3993.46774 (10082301) 3881.09661 (12080205) 3867.03533 (12090723)
 3801.98106 (12090723) 3780.62087 (12090723)
 3610518.7 | 3928.36459 (12080205) 3938.79893 (12090723) 3947.98884 (12090723)
 3863.73387 (12090723) 3869.33923 (12090723)
 3610505.5 | 3981.27011 (12090723) 4003.79880 (12090723) 4008.49922 (12090723)
 3954.71594 (12090723) 3944.26538 (11041621)
 3610492.3 | 4072.79530 (12090723) 4087.37383 (12090723) 4081.62900 (11041621)
 4048.80149 (11041621) 4047.89769 (11041621)
 3610479.1 | 4156.91484 (12090723) 4160.24901 (11041621) 4179.05028 (11041621)
 4110.59350 (11041621) 4022.82157 (11041621)
 3610465.9 | 4269.16565 (11041621) 4247.03055 (11041621) 4183.98564 (11041621)
 4083.19482 (12082103) 4075.61462 (10071502)
 3610452.6 | 4330.43695 (11041621) 4230.36607 (11041621) 4196.89648 (10071502)

4224.23691	(10071502)	4183.88711	(10071502)		
3610439.4	| 4343.62887	(10071502)	4320.82733	(10071502)	4298.79943 (10071502)
4277.64252	(10071502)	4201.71337	(10071502)		
3610426.2	| 4437.06224	(10071502)	4398.69676	(10071502)	4335.68115 (10071502)
4293.38731	(11021319)	4218.27107	(12080702)		
3610413.0	| 4515.87078	(11021319)	4405.83493	(11021319)	4365.56282 (12080702)
4392.54782	(12080702)	4348.76502	(12080702)		
3610399.8	| 4574.86144	(12080702)	4524.64059	(12080702)	4489.19270 (12080702)
4484.31097	(11103019)	4475.14969	(11103019)		
3610386.6	| 4691.87390	(12080702)	4668.05806	(11103019)	4634.10901 (11103019)
4604.82408	(11103019)	4562.07332	(11103019)		
3610373.4	| 4842.47624	(11103019)	4776.81497	(11103019)	4720.74763 (11103019)
4636.72690	(11103019)	4549.54666	(11103019)		
3610360.2	| 4914.05644	(11103019)	4777.93844	(11103019)	4711.33903 (11082824)
4669.63650	(10101019)	4667.90718	(10101019)		
3610347.0	| 4990.90006	(10101019)	4907.41973	(10101019)	4804.30602 (10021719)
4813.77040	(10021719)	4801.16000	(10021719)		
3610333.8	5118.46409	(10021719)	5041.72846	(10021719)	4943.25954 (10021719)
4916.90421	(10021719)	4868.50846	(10021719)		

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491172.36	491193.16	491213.96
	|	491234.76	491255.56	

3610598.0	|	3401.85937	(11040305)	3292.17187	(10041603)	3275.41519	(10041603)
3222.71610		(12080205)	3146.53630	(10111905)			
3610584.7	|	3441.48904	(11040305)	3372.77856	(10041603)	3312.53262	(10041603)
3297.40112		(12090723)	3236.10246	(12090723)			
3610571.5	|	3486.93261	(12080205)	3405.40446	(10041603)	3379.35912	(12090723)
3421.95058		(12090723)	3335.65780	(12090723)			
3610558.3	|	3533.10488	(12090723)	3458.32467	(12090723)	3432.65535	(12090723)
3485.76537		(12090723)	3384.49658	(12090723)			
3610545.1	|	3612.02382	(12090723)	3540.95321	(12090723)	3523.85484	(12090723)
3565.48480		(11041621)	3474.85313	(11041621)			
3610531.9	|	3705.80360	(12090723)	3614.15805	(12090723)	3569.63101	(11041621)
3651.99537		(11041621)	3560.02342	(11041621)			
3610518.7	|	3785.66464	(11041621)	3737.85805	(11041621)	3711.78390	(11041621)
3672.17471		(11041621)	3628.14662	(11041621)			
3610505.5	|	3885.24246	(11041621)	3837.69799	(11041621)	3739.09565	(11041621)
3676.48926		(10082424)	3779.01557	(12082103)			
3610492.3	|	3949.13084	(11041621)	3831.89076	(11041621)	3782.54110	(12082103)
3749.71488		(10071502)	3888.01879	(10071502)			
3610479.1	|	3930.33556	(10082424)	3921.08367	(10071502)	3900.63306	(10071502)
3856.01388		(10071502)	3932.91902	(10071502)			
3610465.9	|	4070.00010	(10071502)	4041.16178	(10071502)	4025.87223	(10071502)
3908.74940		(10071502)	3925.99658	(11021319)			
3610452.6	|	4135.06835	(10071502)	4070.69511	(10071502)	4025.38859	(11021319)
3966.80104		(11031921)	3925.03361	(11031921)			
3610439.4	|	4161.88939	(11021319)	4079.58286	(11031921)	4065.53877	(11031921)
4041.85586		(12080702)	3984.18076	(12080702)			
3610426.2	|	4201.22333	(12080702)	4193.04736	(12080702)	4140.98032	(12080702)
4101.83563		(12080702)	4032.16566	(11103019)			
3610413.0	|	4304.97346	(12080702)	4252.00654	(11103019)	4228.63758	(11103019)
4212.95405		(11103019)	4172.63274	(11103019)			
3610399.8	|	4433.01969	(11103019)	4374.69564	(11103019)	4337.26369	(11103019)
4284.44295		(11103019)	4184.44762	(11103019)			
3610386.6	|	4490.68504	(11103019)	4411.62190	(11103019)	4339.06983	(11082824)
4294.95227		(11082824)	4247.25272	(11082824)			
3610373.4	|	4515.40616	(11082824)	4453.80384	(10101019)	4415.65952	(10101019)
4347.80825		(10101019)	4286.38388	(10101019)			
3610360.2	|	4576.94894	(10101019)	4531.09220	(10021719)	4472.29025	(10021719)
4387.88051		(10021719)	4358.16050	(10021719)			
3610347.0	|	4733.91123	(10021719)	4647.29927	(10021719)	4566.33610	(10021719)
4474.19262		(10021719)	4424.22929	(10021719)			
3610333.8		4812.69767	(10021719)	4706.78365	(10021719)	4546.57340	(10021719)
4439.81852		(10021719)	4351.91609	(10021719)			

▲ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491276.36	491297.16	491317.96
491338.76	491359.56		

3610598.0 |	3090.00505 (12090723)	3057.18931 (12090723)	3042.75782 (12090723)
3086.67384 (12090723)	3268.22915 (11041621)		
3610584.7 |	3194.75027 (12090723)	3103.83231 (12090723)	3048.16661 (10081723)
3116.11297 (10081723)	3302.51124 (11041621)		
3610571.5 |	3284.01980 (12090723)	3157.66246 (10081723)	3084.53789 (10081723)
3130.25493 (10081723)	3309.24708 (11041621)		
3610558.3 |	3342.71799 (10081723)	3222.28599 (10081723)	3100.34381 (10081723)
3154.47002 (11041621)	3287.77906 (10082424)		
3610545.1 |	3441.43120 (11041621)	3261.90225 (11041621)	3160.56240 (10082424)
3182.94801 (10082424)	3245.53111 (12082103)		
3610531.9 |	3461.97101 (11041621)	3344.54795 (10082424)	3259.96424 (12082103)
3285.01016 (12082103)	3354.56271 (10071502)		
3610518.7 |	3548.27796 (12082103)	3470.35334 (12082103)	3368.58675 (10071502)
3402.54205 (10071502)	3708.85351 (11021319)		
3610505.5 |	3674.88043 (10071502)	3602.48837 (10071502)	3518.21003 (10071502)
3489.51567 (10071502)	3911.21552 (11021319)		
3610492.3 |	3739.14363 (10071502)	3680.67616 (10071502)	3567.91694 (10071624)
3514.40922 (10071624)	3731.55255 (12080702)		
3610479.1 |	3783.68722 (10071502)	3711.25095 (10071624)	3624.54382 (10071624)
3547.63140 (11031921)	3700.84783 (12080702)		
3610465.9 |	3806.32226 (11031921)	3762.68913 (11031921)	3710.87346 (11031921)
3604.53162 (11031921)	3649.31248 (12080702)		
3610452.6 |	3865.97095 (11031921)	3858.02330 (12080702)	3775.62452 (12080702)
3667.58139 (12080702)	3658.66264 (12080702)		
3610439.4 |	3960.51694 (12080702)	3920.14672 (12080702)	3845.71871 (11103019)
3794.69986 (11103019)	3704.67954 (11103019)		
3610426.2 |	4080.96740 (11103019)	4049.81048 (11103019)	3964.30970 (11103019)

3863.89698 (11103019) 3734.11194 (11103019)
 3610413.0 | 4144.53904 (11103019) 4088.57635 (11103019) 4000.01408 (11103019)
 3870.29982 (11082824) 3719.71111 (11082824)
 3610399.8 | 4140.54070 (11103019) 4097.46650 (11082824) 4033.58254 (11082824)
 3934.29115 (11082824) 3719.68658 (11082824)
 3610386.6 | 4198.86032 (11082824) 4134.49793 (10101019) 4063.59594 (10101019)
 3963.50175 (10101019) 3717.18482 (10081702)
 3610373.4 | 4235.11327 (10101019) 4180.05898 (10101019) 4104.98656 (10021719)
 3969.65367 (10021719) 3717.89369 (11050421)
 3610360.2 | 4304.16301 (10021719) 4267.86871 (10021719) 4226.94015 (10021719)
 4103.71659 (10021719) 3757.59279 (10021719)
 3610347.0 | 4342.01968 (10021719) 4296.11349 (10021719) 4229.25317 (10021719)
 4059.19328 (10021719) 3759.06654 (10041721)
 3610333.8 | 4233.85406 (10122419) 4223.82629 (10122419) 4194.70343 (10122419)
 4018.48855 (10122419) 3836.15866 (10122419)

*** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
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 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD | X-COORD (METERS)
 (METERS) | 491380.36

3610598.0 | 3314.68622 (11041621)
 3610584.7 | 3335.08865 (11041621)
 3610571.5 | 3299.58665 (11041621)
 3610558.3 | 3316.91752 (10082424)
 3610545.1 | 3326.45102 (12082103)

3610531.9 | 3376.10291 (10071502)
 3610518.7 | 3560.36533 (10071502)
 3610505.5 | 3671.50132 (11021319)
 3610492.3 | 3572.96495 (11031921)
 3610479.1 | 3516.25063 (11031921)
 3610465.9 | 3483.75870 (12080702)
 3610452.6 | 3465.02055 (11103019)
 3610439.4 | 3488.95534 (11103019)
 3610426.2 | 3382.59072 (11103019)
 3610413.0 | 3271.96061 (11082824)
 3610399.8 | 3432.26132 (10081702)
 3610386.6 | 3557.32713 (10081702)
 3610373.4 | 3607.21930 (11123018)
 3610360.2 | 3635.78244 (10021719)
 3610347.0 | 3670.52125 (10041721)
 3610333.8 | 3756.95387 (10091422)

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 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491360.32	491376.93	491393.54
491410.15	491426.76		

 3610184.5 | 4049.96596 (11092822) 3970.58057 (11092822) 3868.81315 (11092822)
 3869.60390 (11092822) 3768.27859 (11092822)
 3610142.8 | 3912.87956 (10120403) 3835.58110 (10120403) 3796.67623 (10052921)

3720.02312	(10052921)	3691.41338	(10052921)		
3610101.2	| 3561.48945	(10090221)	3543.17342	(10090221)	3552.51231 (10090221)
3437.38587	(10090221)	3396.58004	(11092823)		
3610059.6	| 3348.59609	(12042821)	3315.26855	(12042821)	3296.64282 (11091121)
3246.42891	(11091121)	3208.42622	(11091121)		
3610018.0	| 3198.46771	(12022520)	3197.57763	(12022520)	3157.57147 (12022520)
3106.14223	(12042821)	3077.88990	(12042821)		
3609976.4	| 3073.91907	(10071423)	3086.30979	(10032320)	3070.89088 (10032320)
3045.82553	(10033124)	2981.94773	(10033124)		
3609934.8	| 2921.97498	(11032521)	2880.08277	(10033101)	2906.66820 (10033101)
2911.74277	(10033101)	2841.09002	(10071423)		
3609893.2	| 2793.76844	(12120619)	2847.01233	(12120619)	2872.19178 (12120619)
2836.13212	(12120619)	2790.02481	(11032521)		
3609851.6	| 2624.86789	(11042621)	2689.31189	(11042621)	2683.76605 (11042621)
2629.21192	(11042621)	2644.14858	(12120619)		
3609810.0	| 2487.77417	(10040120)	2390.35632	(10040120)	2487.80773 (11042621)
2546.49154	(11042621)	2605.01933	(11042621)		
3609768.4	| 2393.79885	(10040120)	2350.30346	(10040120)	2339.76505 (10040120)
2322.08643	(10040120)	2313.97950	(10040120)		
3609726.7	| 2339.72689	(10101020)	2324.44439	(10082423)	2290.26555 (10082423)
2244.92732	(10082423)	2218.64214	(10040120)		
3609685.1	| 2355.92881	(10013119)	2333.68952	(10013119)	2292.05669 (10101020)
2218.92470	(10101020)	2186.45034	(10101020)		
3609643.5	| 2223.22968	(10090921)	2277.34360	(10013119)	2298.32684 (10013119)
2255.47987	(10101020)	2234.29949	(10101020)		
3609601.9	| 2108.31497	(10091101)	2128.34723	(10090921)	2162.57534 (10090921)
2177.59376	(10013119)	2211.70618	(10013119)		
3609560.3	| 2052.38143	(10041824)	2036.94559	(11111520)	2056.27476 (11111520)
2067.84031	(11111520)	2069.36436	(10090921)		
3609518.7	| 2031.05803	(11111520)	2001.57173	(11111520)	1983.93076 (10041824)
1977.63962	(11111520)	1984.68706	(11111520)		
3609477.1	| 2035.40033	(11111520)	2006.55864	(11111520)	1972.62282 (11111520)
1955.07354	(11111520)	1944.90551	(11111520)		
3609435.5	| 1957.61115	(11102120)	1969.32279	(11102120)	1966.83745 (11111520)
1967.86615	(11111520)	1939.79479	(11111520)		
3609393.9	| 1889.11565	(11091122)	1907.29896	(11102120)	1926.05923 (11102120)
1921.19193	(11102120)	1909.00603	(11111520)		
3609352.2	1868.88930	(11112103)	1856.55308	(11091122)	1865.62055 (11091122)
1881.35852	(11102120)	1886.36764	(11102120)		

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 *** 06:51:10

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254

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, L0001255      , L0001256      , L0001257      ,
                L0001258      , L0001259      , L0001260      , L0001261      , L0001262
, L0001263      , L0001264      , L0001265      ,
                L0001266      , L0001267      , L0001268      , L0001269      , L0001270
, L0001271      , L0001272      , L0001273      ,
                L0001274      , L0001275      , L0001276      , L0001277      , L0001278
, L0001279      , L0001280      , . . .

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*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

```

Y-COORD | X-COORD (METERS)
(METERS) |
          491443.37      491459.98      491476.59
          491493.20      491509.81

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3610184.5 | 3666.36573 (11092822) 3412.01592 (10083122) 3215.68683 (10083122)
3088.17237 (10083122) 3098.42537 (10083122)
3610142.8 | 3635.29687 (10071501) 3530.35220 (10071501) 3315.26688 (10071501)
3024.83643 (10071501) 3105.19428 (10071501)
3610101.2 | 3412.55440 (11092823) 3380.90986 (11092823) 3196.95764 (11092823)
2967.45414 (11092823) 2957.74926 (12080723)
3610059.6 | 3156.42306 (11091121) 3182.52117 (10090221) 3157.04659 (10090221)
3044.95446 (10090221) 2846.24643 (10090221)
3610018.0 | 3039.55749 (12042821) 2966.95759 (12042821) 2897.38985 (12042821)
2843.05869 (12042821) 2738.62096 (11062622)
3609976.4 | 2902.54894 (10033124) 2786.23041 (11051223) 2736.45476 (11051223)
2700.78459 (12022520) 2656.55129 (12022520)
3609934.8 | 2814.46304 (10071423) 2745.40954 (12011919) 2696.24074 (10032320)
2654.92937 (10032320) 2602.38765 (10033124)
3609893.2 | 2721.32717 (11032521) 2654.35290 (11071724) 2604.91566 (10033101)
2560.89966 (10033101) 2549.81612 (12011919)
3609851.6 | 2669.54286 (12120619) 2626.80327 (12120619) 2608.46982 (12120619)
2566.03534 (11032521) 2536.64758 (11032521)
3609810.0 | 2597.81175 (11042621) 2548.03079 (11042621) 2496.05828 (11042621)
2455.10817 (12120619) 2489.80758 (12120619)
3609768.4 | 2313.16603 (11042621) 2422.53201 (11042621) 2451.25826 (11042621)
2484.25690 (11042621) 2473.44350 (11042621)
3609726.7 | 2242.05298 (10040120) 2242.47845 (10040120) 2240.48527 (10040120)
2286.97500 (10040120) 2282.89256 (11042621)
3609685.1 | 2160.68447 (10082423) 2155.61872 (10082423) 2137.35893 (10040120)
2164.11637 (10040120) 2176.93575 (10040120)
3609643.5 | 2218.12473 (10101020) 2169.44731 (10101020) 2133.84204 (10101020)
2105.46439 (10082423) 2084.15046 (10082423)
3609601.9 | 2216.33601 (10013119) 2193.81399 (10013119) 2158.79396 (10101020)
2111.01614 (10101020) 2029.22622 (10101020)

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3609560.3		2084.24845	(10090921)	2087.58365	(10013119)	2074.71772	(10013119)
2051.38068		(10101020)	2024.74545	(10101020)			
3609518.7	|	1985.73514	(11111520)	1961.00235	(11111520)	1927.99948	(10090921)
1913.07200		(10090921)	1931.36656	(10013119)			
3609477.1	|	1935.31059	(11111520)	1919.76461	(11111520)	1903.86581	(11111520)
1876.16854		(11111520)	1837.86040	(11111520)			
3609435.5	|	1899.08512	(11111520)	1898.01503	(11111520)	1885.70954	(11111520)
1871.92704		(11111520)	1830.44591	(11111520)			
3609393.9	|	1905.75321	(11111520)	1915.74124	(11111520)	1887.42357	(11111520)
1860.25093		(11111520)	1818.64990	(11111520)			
3609352.2		1865.57616	(11102120)	1862.60961	(11111520)	1862.39404	(11111520)
1859.29697		(11111520)	1841.53598	(11111520)			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD	|			X-COORD (METERS)
(METERS)	|	491526.42	491543.03	491559.64
		491576.25	491592.86	

3610184.5	|	3073.64353	(10083122)	2981.37158	(10083122)	2823.55154	(10083122)
2670.57431		(10083122)	2532.36331	(10080122)			
3610142.8	|	3081.42460	(10071501)	2889.54543	(10071501)	2733.81139	(11070123)
2645.27952		(11070123)	2557.67085	(11070123)			
3610101.2	|	2924.05460	(12080723)	2942.87926	(12080723)	2789.59099	(12080723)
2661.98452		(12080723)	2561.16990	(12080723)			
3610059.6	|	2756.55796	(10090221)	2780.01099	(10090221)	2680.37583	(10090221)

2576.11684	(10090221)	2497.84563	(10090221)		
3610018.0	| 2633.18190	(11062622)	2518.94300	(11062622)	2482.10162 (11062622)
2425.39506	(10091421)	2409.26153	(10091421)		
3609976.4	| 2537.77669	(12042821)	2416.84058	(12042821)	2424.20817 (12042821)
2423.01224	(12042821)	2357.18849	(12042821)		
3609934.8	| 2539.03637	(10033124)	2470.04113	(11051223)	2439.25019 (11051223)
2394.97044	(11051223)	2356.14428	(12022520)		
3609893.2	| 2541.52004	(12011919)	2485.31188	(12011919)	2445.08241 (10032320)
2414.63627	(10032320)	2356.11275	(10033124)		
3609851.6	| 2516.36196	(11032521)	2461.33774	(11071724)	2469.92794 (10033101)
2452.98850	(10033101)	2418.61381	(12011919)		
3609810.0	| 2524.07899	(12120619)	2530.54818	(12120619)	2508.92691 (12120619)
2470.08246	(11032521)	2413.66778	(11032521)		
3609768.4	| 2447.30836	(11042621)	2402.83986	(11042621)	2405.43921 (12120619)
2393.58432	(12120619)	2350.24685	(12120619)		
3609726.7	| 2358.57864	(11042621)	2376.30240	(11042621)	2387.12751 (11042621)
2379.14784	(11042621)	2306.18600	(11042621)		
3609685.1	| 2171.75084	(10040120)	2232.70850	(10040120)	2170.78003 (10040120)
2158.28830	(11042621)	2150.85066	(11042621)		
3609643.5	| 2062.96309	(10040120)	2152.99921	(10040120)	2141.22017 (11010719)
2128.93637	(11010719)	2116.46586	(11010719)		
3609601.9	| 2079.33864	(10082423)	2132.13035	(10082423)	2086.63843 (10082423)
2047.27363	(10082423)	1998.11279	(11010719)		
3609560.3	| 1988.98559	(10101020)	2033.20340	(10073123)	2023.44755 (10082423)
2031.13210	(10082423)	1995.22177	(10082423)		
3609518.7	| 1944.42385	(10013119)	2016.04183	(10101020)	2021.17994 (10101020)
1984.76178	(10101020)	1956.70818	(10073123)		
3609477.1	| 1848.45752	(10090921)	1962.37231	(10090921)	1975.93321 (10090921)
1961.53448	(10101020)	1971.33484	(10101020)		
3609435.5	| 1808.38870	(11111520)	1786.11090	(11111520)	1809.17426 (10090921)
1903.88686	(10090921)	1906.45971	(10090921)		
3609393.9	| 1803.70502	(11111520)	1794.45880	(11111520)	1771.59908 (11111520)
1805.79828	(10091101)	1833.50125	(11052522)		
3609352.2	1783.66103	(11111520)	1719.63300	(11111520)	1725.64044 (11111520)
1729.21892	(11111520)	1796.66615	(10091101)		

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 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270

, L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD |			X-COORD (METERS)
(METERS) |	491609.47	491626.08	491642.69
	491659.30	491675.91	

3610184.5 |	2487.37823 (10080122)	2442.73194 (10080122)	2318.21683 (10080122)
2275.59229 (10080122)	2259.17243 (10080122)		
3610142.8 |	2452.53113 (10102206)	2341.54870 (10102205)	2258.35282 (10102205)
2223.35799 (10102205)	2211.38783 (10102205)		
3610101.2 |	2487.40267 (12080723)	2420.61395 (10012920)	2310.98384 (10012920)
2249.99403 (10012920)	2210.98407 (10012920)		
3610059.6 |	2437.16302 (10111819)	2397.75812 (10111819)	2290.21701 (10111819)
2226.02169 (10111819)	2208.18631 (10111819)		
3610018.0 |	2400.92682 (10091421)	2375.15339 (10091421)	2290.01229 (10091421)
2240.20899 (10091421)	2200.71533 (10091421)		
3609976.4 |	2283.12599 (12042821)	2235.30494 (11062622)	2243.58177 (11062622)
2246.59798 (11062622)	2203.13320 (11010118)		
3609934.8 |	2318.76131 (12022520)	2271.66909 (12022520)	2263.44107 (12042821)
2223.67857 (12042821)	2202.79919 (12042821)		
3609893.2 |	2356.81432 (10033124)	2317.71198 (10033124)	2307.77347 (11051223)
2253.39964 (11051223)	2188.15315 (11051223)		
3609851.6 |	2362.73901 (12011919)	2312.69035 (12011919)	2269.20442 (10032320)
2221.40551 (10032320)	2159.43076 (10032320)		
3609810.0 |	2317.19552 (11071724)	2247.10804 (11071724)	2215.10076 (10033101)
2177.57259 (12112102)	2152.38691 (12112102)		
3609768.4 |	2320.03784 (12120619)	2275.00437 (12120619)	2149.32337 (12120619)
2100.24079 (11032521)	2064.68452 (11032521)		
3609726.7 |	2231.86786 (11042621)	2158.16026 (12120101)	2121.21116 (12120101)
2084.05047 (12120619)	2045.72336 (12120619)		
3609685.1 |	2123.32869 (11042621)	2110.03461 (11042621)	2061.38451 (11042621)
1974.77954 (11042621)	1889.70460 (12120101)		
3609643.5 |	2099.02589 (11010719)	2032.40834 (11010719)	1963.17482 (11022504)
1901.13968 (11022504)	1872.76385 (11042621)		
3609601.9 |	2000.41588 (11010719)	1977.05470 (11010719)	1966.84027 (11010719)
1939.95668 (11010719)	1881.29476 (11010719)		
3609560.3 |	1987.82067 (10082423)	1950.70526 (10082423)	1904.80631 (10082423)
1852.27034 (10082423)	1847.23405 (11010719)		
3609518.7	1918.73057 (10073123)	1883.10143 (10073123)	1833.83026 (10082423)
1830.90399 (10082423)	1851.35773 (10082423)		

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3609477.1 | 1940.40099 (10101020) 1899.25857 (10101020) 1867.90796 (10101020)
1836.76971 (10073123) 1810.70915 (10073123)
3609435.5 | 1918.87154 (10090921) 1935.39668 (10101020) 1889.50932 (10101020)
1842.24401 (10101020) 1763.72486 (10101020)
3609393.9 | 1827.96390 (11052522) 1810.14270 (10090921) 1791.37119 (10090921)
1764.52328 (10090921) 1758.73792 (10090921)
3609352.2 | 1788.26440 (10091101) 1773.62257 (10091101) 1769.81422 (11052522)
1728.48718 (10091101) 1660.97376 (10091101)

```

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*** AERMET - VERSION 22112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001253 , L0001254
, L0001255 , L0001256 , L0001257 ,
, L0001263 , L0001264 , L0001265 ,
, L0001271 , L0001272 , L0001273 ,
, L0001279 , L0001280 , . . . ,

```

*** NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

```

Y-COORD | X-COORD (METERS)
(METERS) | 491692.52
-----

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3610184.5 | 2161.89905 (10020120)
3610142.8 | 2175.53667 (10102205)
3610101.2 | 2170.99488 (10012920)
3610059.6 | 2252.28607 (10111819)
3610018.0 | 2214.04393 (10091421)
3609976.4 | 2196.03084 (10091421)
3609934.8 | 2122.80251 (12042821)
3609893.2 | 2150.90302 (12022520)
3609851.6 | 2116.48341 (10033124)
3609810.0 | 2116.44608 (12112102)
3609768.4 | 2020.18849 (11071724)
3609726.7 | 2008.47194 (12120619)

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3609685.1 | 1900.06703 (12120101)
 3609643.5 | 1838.90722 (11042621)
 3609601.9 | 1831.24587 (11022504)
 3609560.3 | 1859.17797 (11010719)
 3609518.7 | 1775.66520 (10082423)
 3609477.1 | 1794.05733 (10082423)
 3609435.5 | 1803.99573 (10101020)
 3609393.9 | 1723.63501 (10090921)
 3609352.2 | 1663.03995 (10091101)

▲ *** AERMOD - VERSION 22112 *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 ***
 *** 06:51:10

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
491164.27	3610233.74	4851.41039 (10030323)	491278.96
3610288.22	4328.73326 (10061622)		
491317.19	3610288.22	4209.11580 (10061622)	491355.42
3610288.22	4325.54960 (10061622)		
491393.65	3610342.70	3629.48952 (10041721)	491431.88
3610342.70	3406.82775 (10041721)		
491470.11	3610342.70	3252.71698 (10041721)	491508.34
3610342.70	3342.50162 (10041721)		
491546.57	3610342.70	3252.97145 (10091422)	491584.80
3610342.70	2860.25286 (10091422)		
491623.03	3610342.70	2651.25864 (12110618)	491508.34
3610397.18	2725.39972 (12031203)		

	491546.57	3610397.18	2590.26122	(10091321)	491584.80
3610397.18	2515.47777	(10091321)			
	491623.03	3610397.18	2449.89458	(10091321)	491508.34
3610451.66	2586.85525	(11103019)			
	491546.57	3610451.66	2437.08067	(11082824)	491584.80
3610451.66	2380.27056	(11082824)			
	491623.03	3610451.66	2223.42169	(11082824)	491508.34
3610506.14	2797.50322	(12080702)			
	491546.57	3610506.14	2617.74127	(12080702)	491584.80
3610506.14	2511.41809	(12080702)			
	491623.03	3610506.14	2327.17400	(10101323)	491508.34
3610560.62	2662.41487	(10071624)			
	491546.57	3610560.62	2514.97452	(10101721)	491584.80
3610560.62	2453.29439	(12090424)			
	491623.03	3610560.62	2373.72095	(12090424)	491087.81
3610615.10	3617.20106	(12100221)			
	491126.04	3610615.10	3550.92323	(10082303)	491508.34
3610615.10	2471.52630	(12082103)			
	491546.57	3610615.10	2496.28114	(12082103)	491584.80
3610615.10	2356.62933	(12082103)			
	491623.03	3610615.10	2174.10561	(12082103)	491087.81
3610669.58	3463.00032	(12100121)			
	491126.04	3610669.58	3424.25187	(12100221)	491508.34
3610669.58	2364.86303	(12090723)			
	491546.57	3610669.58	2429.99254	(10081723)	491584.80
3610669.58	2317.32243	(10081723)			
	491623.03	3610669.58	2225.03446	(10082424)	491546.57
3610724.06	2236.98484	(10111905)			
	491584.80	3610724.06	2045.63087	(10111905)	491623.03
3610724.06	1958.50918	(11022424)			
	491546.57	3610778.54	2356.98260	(12080801)	491584.80
3610778.54	2255.53859	(12080801)			
	491623.03	3610778.54	1950.17819	(12080801)	490934.89
3610833.02	2864.99286	(12062424)			
	490973.12	3610833.02	2832.24930	(12060824)	491011.35
3610833.02	2967.45939	(12090522)			
	491049.58	3610833.02	2938.20046	(10040821)	491087.81
3610833.02	2912.95401	(11041622)			
	491126.04	3610833.02	2883.00404	(12090222)	491164.27
3610833.02	2824.00832	(11020821)			
	491202.50	3610833.02	2697.05120	(12081104)	491240.73
3610833.02	2639.01152	(12100121)			
	491278.96	3610833.02	2690.99347	(12100121)	491317.19
3610833.02	2615.68214	(12100121)			
	491355.42	3610833.02	2353.46444	(12100121)	491393.65
3610833.02	2179.45711	(12062723)			
	491431.88	3610833.02	2076.70732	(10081706)	491470.11
3610833.02	2101.92768	(12052301)			
	491508.34	3610833.02	1974.90771	(12052301)	491546.57
3610833.02	1985.01951	(12080801)			

491584.80	3610833.02	2134.46917	(12080801)	491623.03
3610833.02	2056.79258	(12080801)		
490934.89	3610887.50	2688.32919	(12060622)	490973.12
3610887.50	2646.39171	(12060824)		
491011.35	3610887.50	2589.97732	(12081904)	491049.58
3610887.50	2716.91835	(12081904)		
491087.81	3610887.50	2657.77330	(10040821)	491126.04
3610887.50	2761.04392	(11041622)		
491164.27	3610887.50	2693.87787	(12090624)	491202.50
3610887.50	2559.69399	(12090222)		
491240.73	3610887.50	2509.49631	(12081104)	491278.96
3610887.50	2405.37192	(12081104)		
491317.19	3610887.50	2457.95689	(12100121)	491355.42
3610887.50	2404.16140	(12100121)		
491393.65	3610887.50	2237.98253	(12100121)	491431.88
3610887.50	2124.01193	(12100121)		
491470.11	3610887.50	1946.34888	(12062723)	491508.34
3610887.50	1833.07457	(10081706)		

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*** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491546.57	3610887.50	1784.58581	(12052301)	491584.80
3610887.50	1770.62441	(12052301)		
491623.03	3610887.50	1703.80514	(12080801)	490858.43

3610941.98	2426.04016	(12102818)		
	490896.66	3610941.98	2382.51386	(11021520) 490934.89
3610941.98	2337.84083	(12063003)		
	490973.12	3610941.98	2404.43868	(12062424) 491011.35
3610941.98	2372.11315	(12060824)		
	491049.58	3610941.98	2491.63762	(12081904) 491087.81
3610941.98	2628.43605	(12081904)		
	491126.04	3610941.98	2620.88780	(10040821) 491164.27
3610941.98	2512.42342	(11041622)		
	491202.50	3610941.98	2443.83476	(12090624) 491240.73
3610941.98	2177.28127	(12081104)		
	491278.96	3610941.98	2319.03991	(12081104) 491317.19
3610941.98	2279.67398	(12081104)		
	491355.42	3610941.98	2168.87454	(12100121) 491393.65
3610941.98	2236.23744	(12100121)		
	491431.88	3610941.98	2203.39190	(12100121) 491470.11
3610941.98	2040.94632	(12100121)		
	491508.34	3610941.98	1848.40907	(12100121) 491546.57
3610941.98	1707.43364	(10121318)		
	491584.80	3610941.98	1675.86703	(10121318) 491623.03
3610941.98	1650.00129	(12092403)		
	490858.43	3610996.46	2311.16079	(12060624) 490896.66
3610996.46	2226.05373	(12122818)		
	490934.89	3610996.46	2152.95006	(12063003) 490973.12
3610996.46	2081.75695	(12060622)		
	491011.35	3610996.46	2295.06657	(12062424) 491049.58
3610996.46	2333.60634	(12060824)		
	491087.81	3610996.46	2449.37917	(12081904) 491126.04
3610996.46	2501.00024	(12081904)		
	491164.27	3610996.46	2364.89728	(12111424) 491202.50
3610996.46	2181.66352	(11010619)		
	491240.73	3610996.46	2123.43001	(12090624) 491278.96
3610996.46	2102.56326	(12090624)		
	491317.19	3610996.46	2161.73064	(12081104) 491355.42
3610996.46	2157.87325	(12081104)		
	491393.65	3610996.46	2034.99257	(12081104) 491431.88
3610996.46	1925.39899	(12100121)		
	491470.11	3610996.46	1997.36708	(12100121) 491508.34
3610996.46	1927.70571	(12100121)		
	491546.57	3610996.46	1877.82052	(12100121) 491584.80
3610996.46	1671.40484	(12100121)		
	491623.03	3610996.46	1615.53594	(10121318) 490858.43
3611050.94	2124.34459	(12060624)		
	490896.66	3611050.94	1989.05708	(12122818) 490934.89
3611050.94	1969.35401	(12122818)		
	490973.12	3611050.94	1990.11160	(12063003) 491011.35
3611050.94	1998.14379	(12062424)		
	491049.58	3611050.94	2119.02656	(12062424) 491087.81
3611050.94	2230.64883	(12060824)		
	491126.04	3611050.94	2342.21983	(12081904) 491164.27

3611050.94	2315.34513	(12081904)			
	491202.50	3611050.94	2215.17429	(12111424)	491240.73
3611050.94	2037.57524	(11010619)			
	491278.96	3611050.94	1943.18111	(12090624)	491317.19
3611050.94	1910.88472	(12090624)			
	491355.42	3611050.94	1913.51432	(12081104)	491393.65
3611050.94	1962.33086	(12081104)			
	491431.88	3611050.94	1894.19795	(12081104)	491470.11
3611050.94	1711.82906	(12081104)			
	491508.34	3611050.94	1705.32478	(12100121)	491546.57
3611050.94	1782.58746	(12100121)			
	491584.80	3611050.94	1800.57179	(12100121)	491623.03
3611050.94	1694.75190	(12100121)			
	490858.43	3611105.42	2020.90066	(12060624)	490896.66
3611105.42	1905.64160	(12122818)			
	490934.89	3611105.42	1954.78194	(12122818)	490973.12
3611105.42	1828.88296	(12122818)			
	491011.35	3611105.42	1899.65153	(12071705)	491049.58
3611105.42	2198.73255	(12062424)			
	491087.81	3611105.42	2096.38956	(12060824)	491126.04
3611105.42	2119.14494	(12090520)			
	491164.27	3611105.42	2235.98267	(12081904)	491202.50
3611105.42	2211.47874	(12081904)			
	491240.73	3611105.42	2128.09749	(12111424)	491278.96
3611105.42	1843.09563	(11010619)			
	491317.19	3611105.42	1766.78428	(12092720)	491355.42
3611105.42	1769.21500	(12090624)			

^ *** AERMOD - VERSION 22112 *** *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Rohr Wohl Operati *** 10/01/23
 *** AERMET - VERSION 22112 *** ***
 *** 06:51:10

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491393.65	3611105.42	1708.59337	(12081104)	491431.88
3611105.42	1738.44769	(12081104)		
491470.11	3611105.42	1731.47013	(12081104)	491508.34
3611105.42	1571.15187	(12081104)		
491546.57	3611105.42	1542.39378	(12092324)	491584.80
3611105.42	1664.22064	(12100121)		
491623.03	3611105.42	1613.38858	(12100121)	490858.43
3611159.90	1937.12873	(12060624)		
490896.66	3611159.90	1805.68556	(12090703)	490934.89
3611159.90	1868.67177	(12122818)		
490973.12	3611159.90	1874.65630	(12122818)	491011.35
3611159.90	1852.62397	(12063003)		
491049.58	3611159.90	2036.21171	(12060622)	491087.81
3611159.90	1980.90122	(12062424)		
491126.04	3611159.90	1958.59278	(12090520)	491164.27
3611159.90	2021.72693	(12090520)		
491202.50	3611159.90	2088.47225	(12081904)	491240.73
3611159.90	2024.58255	(12081904)		
491278.96	3611159.90	1948.12632	(12111424)	491317.19
3611159.90	1714.20090	(12111424)		
491355.42	3611159.90	1666.73545	(12092720)	491393.65
3611159.90	1589.27756	(12090624)		
491431.88	3611159.90	1499.15372	(12090624)	491470.11
3611159.90	1510.84859	(12081104)		
491508.34	3611159.90	1505.32906	(12081104)	491546.57
3611159.90	1488.34718	(12081104)		
491584.80	3611159.90	1417.18346	(12081104)	491623.03
3611159.90	1422.29650	(12092324)		
490858.43	3611214.38	1780.55636	(12060624)	490896.66
3611214.38	1692.02006	(12090703)		
490934.89	3611214.38	1779.78831	(12122818)	490973.12
3611214.38	1837.48911	(12122818)		
491011.35	3611214.38	1879.95757	(12122818)	491049.58
3611214.38	1892.62822	(12071705)		
491087.81	3611214.38	1904.10148	(12062424)	491126.04
3611214.38	1920.33306	(12100320)		
491164.27	3611214.38	1874.99361	(12090520)	491202.50
3611214.38	1869.83546	(12090520)		
491240.73	3611214.38	1935.05341	(12081904)	491278.96
3611214.38	1840.15009	(12081904)		
491317.19	3611214.38	1778.16708	(12111424)	491355.42
3611214.38	1531.10067	(12111424)		
491393.65	3611214.38	1550.59634	(12092720)	491431.88
3611214.38	1493.58229	(12092720)		

491470.11	3611214.38	1334.90010	(12090624)	491508.34
3611214.38	1336.46145	(12081104)		
491546.57	3611214.38	1387.12170	(12081104)	491584.80
3611214.38	1328.99983	(12081104)		
491623.03	3611214.38	1243.31163	(12081104)	490858.43
3611268.86	1638.81752	(12060624)		
490896.66	3611268.86	1612.15223	(12090703)	490934.89
3611268.86	1602.63118	(12122818)		
490973.12	3611268.86	1786.76495	(12122818)	491011.35
3611268.86	1812.52490	(12122818)		
491049.58	3611268.86	1719.00693	(12071705)	491087.81
3611268.86	1827.01066	(12071705)		
491126.04	3611268.86	1789.30762	(12062424)	491164.27
3611268.86	1792.76470	(12100320)		
491202.50	3611268.86	1761.38825	(12090520)	491240.73
3611268.86	1707.62724	(12090520)		
491278.96	3611268.86	1730.22065	(12081904)	491317.19
3611268.86	1716.78028	(12081904)		
491355.42	3611268.86	1647.31927	(12111424)	491393.65
3611268.86	1479.78512	(12111424)		
491431.88	3611268.86	1444.92940	(12092720)	491470.11
3611268.86	1390.23981	(12092720)		
491508.34	3611268.86	1269.10987	(12092720)	491546.57
3611268.86	1186.00355	(12081104)		
491584.80	3611268.86	1190.05885	(12081104)	491623.03
3611268.86	1163.98968	(12081104)		
490858.43	3611323.34	1627.14183	(12080824)	490896.66
3611323.34	1560.62207	(12090703)		
490934.89	3611323.34	1484.44446	(12112318)	490973.12
3611323.34	1706.84202	(12122818)		
491011.35	3611323.34	1772.08144	(12122818)	491049.58
3611323.34	1684.77745	(12122818)		
491087.81	3611323.34	1672.43229	(12071705)	491126.04
3611323.34	1722.63891	(12071705)		
491164.27	3611323.34	1717.61583	(12100320)	491202.50
3611323.34	1679.86852	(12100320)		

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 *** AERMET - VERSION 22112 ***
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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,

, L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491240.73	3611323.34	1622.30917	(12090520)	491278.96
3611323.34	1556.43815	(12081904)		
491317.19	3611323.34	1675.78696	(12081904)	491355.42
3611323.34	1595.79318	(12081904)		
491393.65	3611323.34	1541.60725	(12111424)	491431.88
3611323.34	1342.77113	(12111424)		
491470.11	3611323.34	1322.74009	(12092720)	491508.34
3611323.34	1287.59835	(12092720)		
491546.57	3611323.34	1183.27456	(12092720)	491584.80
3611323.34	1071.51930	(12080703)		
491623.03	3611323.34	1005.87249	(12092202)	491583.40
3608705.27	1480.83201	(11080205)		
491577.37	3608727.37	1494.19116	(11102120)	491573.36
3608753.50	1502.72083	(11112103)		
491562.30	3608782.64	1553.37304	(11112103)	491565.32
3608775.60	1534.26515	(11112103)		
491547.23	3608819.81	1585.07410	(11050401)	491545.22
3608840.91	1580.39606	(12041421)		
491533.16	3608877.09	1694.63026	(12041421)	491524.12
3608898.19	1614.69612	(12041421)		
491522.11	3608915.27	1514.86566	(12041421)	491520.10
3608925.32	1482.56485	(12041421)		
491511.06	3608945.41	1446.25643	(11050321)	491507.04
3608961.49	1468.42487	(11050321)		
491499.00	3608982.59	1488.12229	(11050423)	491498.00
3608992.64	1495.06960	(11050423)		
491490.96	3609007.71	1505.80952	(11050423)	491484.93
3609030.82	1540.78761	(11050423)		
491478.91	3609048.91	1572.49237	(11091122)	491470.87
3609072.02	1583.54090	(11091122)		
491461.82	3609094.12	1584.14016	(11102120)	491450.77
3609114.22	1609.70393	(11102120)		
491449.77	3609129.29	1629.06825	(11102120)	491443.74
3609145.37	1638.20649	(11102120)		
491439.72	3609164.46	1657.32691	(11102120)	491434.69

3609178.52	1688.77421	(11102120)		
491424.65	3609198.62	1717.33871	(11102120)	491418.62
3609216.71	1717.00699	(11102120)		
491414.60	3609231.78	1728.41469	(11102120)	491409.57
3609244.84	1740.52250	(11102120)		
491398.52	3609273.98	1780.86335	(11112103)	491397.52
3609289.05	1795.81057	(11112103)		
491388.47	3609312.16	1816.28756	(11112103)	491383.45
3609329.24	1836.03596	(11112103)		
491377.42	3609354.36	1857.94588	(11091122)	491374.41
3609371.44	1873.79556	(11091122)		
491361.34	3609405.61	1909.14254	(11091122)	491355.32
3609423.69	1929.36593	(11091122)		
491340.24	3609470.92	1998.79183	(11102120)	491324.17
3609526.18	2093.61912	(11111520)		
491329.19	3609504.08	2047.24613	(11111520)	491314.12
3609546.28	2109.57108	(11111520)		
491302.06	3609575.42	2115.09438	(11102120)	491296.03
3609594.51	2142.55445	(11112103)		
491286.99	3609618.62	2170.35220	(11112103)	491279.96
3609632.69	2185.49961	(11112103)		
491274.93	3609648.77	2197.58520	(11112103)	491269.91
3609666.85	2215.36177	(10091101)		
491264.88	3609679.92	2243.73102	(10091101)	491259.86
3609700.01	2279.65863	(10091101)		
491269.76	3609874.49	2739.14619	(10040120)	491098.46
3610169.21	4516.05423	(10120403)		
491115.74	3610172.91	4681.80790	(10120403)	491105.25
3610150.69	4559.48821	(12042821)		
491109.57	3610134.65	4510.56636	(12022520)	491108.33
3610125.39	4403.32430	(12022520)		
491113.27	3610114.29	4313.05150	(10033124)	491118.82
3610099.48	4173.71971	(10032320)		
491122.52	3610087.75	4058.50334	(10033101)	491127.46
3610070.47	3969.16500	(10033101)		
491131.78	3610051.96	3987.15690	(11032521)	491136.72
3610040.85	3943.50417	(12120619)		
491138.57	3610034.07	3846.56858	(12120619)	491139.80
3610021.73	3578.83806	(12120619)		
491157.08	3610005.06	3492.91413	(11042621)	491166.95
3609998.89	3431.58147	(11042621)		
491178.68	3609984.70	3277.47138	(11042621)	491174.98
3609963.10	3134.14203	(11042621)		
491184.23	3609965.57	3142.78354	(11042621)	491176.21
3609942.12	2960.22662	(10040120)		

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*** AERMET - VERSION 22112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0001253 , L0001254
 , L0001255 , L0001256 , L0001257 ,
 , L0001258 , L0001259 , L0001260 , L0001261 , L0001262
 , L0001263 , L0001264 , L0001265 ,
 , L0001266 , L0001267 , L0001268 , L0001269 , L0001270
 , L0001271 , L0001272 , L0001273 ,
 , L0001274 , L0001275 , L0001276 , L0001277 , L0001278
 , L0001279 , L0001280 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
491184.23	3609944.59	2931.50258	(10040120)	491179.91
3609920.53	2845.66350	(10040120)		
491191.64	3609922.99	2860.91092	(10040120)	491189.17
3609903.25	2922.18646	(10040120)		
491198.42	3609906.95	2852.22965	(10040120)	491194.72
3609882.27	2826.30393	(10082423)		
491205.83	3609887.20	2641.19802	(10040120)	491200.89
3609866.84	2669.95933	(10082423)		
491205.83	3609849.56	2691.60925	(10082423)	491212.62
3609864.99	2640.37999	(10082423)		
491303.94	3609929.78	3017.29236	(12120619)	491267.54
3609903.25	2842.37717	(11042621)		
491277.41	3609879.18	2721.66597	(10040120)	491324.31
3609896.46	2840.60011	(11042621)		
491135.48	3610120.46	4271.98429	(12022520)	491124.99
3610139.59	4441.96528	(12042821)		
491130.55	3610141.44	4418.47408	(12042821)	491142.89
3610145.14	4347.41758	(12042821)		
491165.10	3610151.31	4328.11705	(11091121)	491172.51
3610156.25	4407.24348	(10120403)		
491183.00	3610155.01	4377.49487	(10120403)	491190.40
3610158.72	4433.41594	(10120403)		
491197.81	3610138.97	4137.29254	(11091121)	491162.02
3610130.33	4242.11918	(12042821)		
491150.91	3610113.67	4177.76657	(12022520)	491164.49
3610115.52	4120.51763	(12042821)		

491178.06	3610123.54	4152.01014	(12042821)	491189.17
3610125.39	4100.41596	(12042821)		
491197.81	3610126.63	4046.58363	(12042821)	491158.93
3610084.05	4029.93323	(10032320)		
491175.59	3610088.37	3991.47812	(10033124)	491188.55
3610090.84	3916.06704	(12022520)		
491202.13	3610096.39	3909.57787	(12022520)	491252.11
3610069.86	3543.28289	(12022520)		
491240.39	3610095.77	3768.56728	(12042821)	491232.36
3610128.48	3892.22779	(10090221)		
491220.02	3610152.55	4234.65563	(10120403)	491213.85
3610179.70	4507.86450	(10120403)		
491204.60	3610206.85	4662.54726	(11092822)	491297.77
3610095.16	3572.85315	(11091121)		
491316.29	3610102.56	3598.58243	(10090221)	491271.24
3610169.21	4228.16249	(10120403)		
491296.54	3610170.44	4110.11553	(10071501)	491224.34
3609806.98	2644.45288	(10101020)		
491232.36	3609786.00	2574.70499	(10101020)	491240.39
3609769.96	2532.74062	(10101020)		
491245.94	3609753.92	2483.27678	(10013119)	491250.26
3609731.08	2406.39670	(10090921)		
491255.20	3609716.89	2328.50095	(10090921)	491354.41
3609557.94	2062.12428	(10041824)		
491349.69	3609575.67	2086.98913	(10041824)	491331.95
3609630.05	2162.72742	(10091101)		
491310.67	3609696.25	2366.65899	(10013119)	491301.22
3609737.63	2473.57655	(10101020)		
491289.40	3609771.91	2474.51044	(10013119)	491276.39
3609801.46	2517.88760	(10082423)		
491310.67	3609805.01	2435.50747	(10082423)	492077.18
3610785.74	1153.27820	(11042902)		

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304

HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV,

ZHILL, ZFLAG) OF TYPE GRID-ID

YRDTRK	1ST HIGHEST VALUE IS	88.15934	AT (	490964.36,	3610333.75,	4.60,
	4.60, 0.00) GC UCART2					
	2ND HIGHEST VALUE IS	87.56802	AT (	490964.36,	3610346.96,	4.70,
	4.70, 0.00) GC UCART2					
	3RD HIGHEST VALUE IS	86.54469	AT (	490964.36,	3610360.17,	4.80,
	4.80, 0.00) GC UCART2					
	4TH HIGHEST VALUE IS	85.13216	AT (	490964.36,	3610373.38,	5.00,
	5.00, 0.00) GC UCART2					
	5TH HIGHEST VALUE IS	83.14851	AT (	490964.36,	3610386.59,	5.40,
	5.40, 0.00) GC UCART2					
	6TH HIGHEST VALUE IS	80.68609	AT (	490964.36,	3610399.80,	5.90,
	5.90, 0.00) GC UCART2					
	7TH HIGHEST VALUE IS	79.68315	AT (	490985.16,	3610333.75,	5.60,
	5.60, 0.00) GC UCART2					
	8TH HIGHEST VALUE IS	79.00800	AT (	490985.16,	3610346.96,	5.70,
	5.70, 0.00) GC UCART2					
	9TH HIGHEST VALUE IS	77.79725	AT (	490985.16,	3610360.17,	6.00,
	6.00, 0.00) GC UCART2					
	10TH HIGHEST VALUE IS	77.69411	AT (	490964.36,	3610413.01,	6.50,
	6.50, 0.00) GC UCART2					
IDLE	1ST HIGHEST VALUE IS	97.38176	AT (	490964.36,	3610333.75,	4.60,
	4.60, 0.00) GC UCART2					
	2ND HIGHEST VALUE IS	96.59193	AT (	490964.36,	3610346.96,	4.70,
	4.70, 0.00) GC UCART2					
	3RD HIGHEST VALUE IS	95.35621	AT (	490964.36,	3610360.17,	4.80,
	4.80, 0.00) GC UCART2					
	4TH HIGHEST VALUE IS	93.77380	AT (	490964.36,	3610373.38,	5.00,
	5.00, 0.00) GC UCART2					
	5TH HIGHEST VALUE IS	91.57011	AT (	490964.36,	3610386.59,	5.40,
	5.40, 0.00) GC UCART2					
	6TH HIGHEST VALUE IS	88.66678	AT (	490985.16,	3610333.75,	5.60,
	5.60, 0.00) GC UCART2					
	7TH HIGHEST VALUE IS	88.60128	AT (	490964.36,	3610399.80,	5.90,
	5.90, 0.00) GC UCART2					
	8TH HIGHEST VALUE IS	87.57470	AT (	490985.16,	3610346.96,	5.70,
	5.70, 0.00) GC UCART2					
	9TH HIGHEST VALUE IS	85.92314	AT (	490985.16,	3610360.17,	6.00,
	6.00, 0.00) GC UCART2					
	10TH HIGHEST VALUE IS	85.03874	AT (	490964.36,	3610413.01,	6.50,
	6.50, 0.00) GC UCART2					
FORKLIFT	1ST HIGHEST VALUE IS	79.53785	AT (	490964.36,	3610333.75,	4.60,
	4.60, 0.00) GC UCART2					
	2ND HIGHEST VALUE IS	78.66981	AT (	490964.36,	3610346.96,	4.70,
	4.70, 0.00) GC UCART2					

3RD HIGHEST VALUE IS 77.51193 AT (490964.36, 3610360.17, 4.80,
 4.80, 0.00) GC UCART2
 4TH HIGHEST VALUE IS 76.03323 AT (490964.36, 3610373.38, 5.00,
 5.00, 0.00) GC UCART2
 5TH HIGHEST VALUE IS 74.13693 AT (490964.36, 3610386.59, 5.40,
 5.40, 0.00) GC UCART2
 6TH HIGHEST VALUE IS 71.88100 AT (490985.16, 3610333.75, 5.60,
 5.60, 0.00) GC UCART2
 7TH HIGHEST VALUE IS 71.83273 AT (490964.36, 3610399.80, 5.90,
 5.90, 0.00) GC UCART2
 8TH HIGHEST VALUE IS 71.13971 AT (490985.16, 3610346.96, 5.70,
 5.70, 0.00) GC UCART2
 9TH HIGHEST VALUE IS 69.90658 AT (490985.16, 3610360.17, 6.00,
 6.00, 0.00) GC UCART2
 10TH HIGHEST VALUE IS 69.05437 AT (490964.36, 3610413.01, 6.50,
 6.50, 0.00) GC UCART2

TRUS 1ST HIGHEST VALUE IS 46.39508 AT (490964.36, 3610333.75, 4.60,
 4.60, 0.00) GC UCART2
 2ND HIGHEST VALUE IS 45.74054 AT (490964.36, 3610346.96, 4.70,
 4.70, 0.00) GC UCART2
 3RD HIGHEST VALUE IS 44.93945 AT (490964.36, 3610360.17, 4.80,
 4.80, 0.00) GC UCART2
 4TH HIGHEST VALUE IS 43.96504 AT (490964.36, 3610373.38, 5.00,
 5.00, 0.00) GC UCART2
 5TH HIGHEST VALUE IS 42.95749 AT (490985.16, 3610333.75, 5.60,
 5.60, 0.00) GC UCART2
 6TH HIGHEST VALUE IS 42.76422 AT (490964.36, 3610386.59, 5.40,
 5.40, 0.00) GC UCART2
 7TH HIGHEST VALUE IS 42.39964 AT (490985.16, 3610346.96, 5.70,
 5.70, 0.00) GC UCART2
 8TH HIGHEST VALUE IS 41.56136 AT (490985.16, 3610360.17, 6.00,
 6.00, 0.00) GC UCART2
 9TH HIGHEST VALUE IS 41.37326 AT (490964.36, 3610399.80, 5.90,
 5.90, 0.00) GC UCART2
 10TH HIGHEST VALUE IS 40.45534 AT (490985.16, 3610373.38, 6.40,
 7.90, 0.00) GC UCART2

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304
 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		

TRUCK1E	1ST HIGHEST VALUE IS	122.01980 AT (	491546.57, 3610342.70, 11.71,
11.71,	0.00) DC		
	2ND HIGHEST VALUE IS	120.47655 AT (	491164.27, 3610233.74, 6.98,
6.98,	0.00) DC		
	3RD HIGHEST VALUE IS	118.30743 AT (	491623.03, 3610397.18, 13.11,
13.11,	0.00) DC		
	4TH HIGHEST VALUE IS	114.78200 AT (	491508.34, 3610342.70, 11.29,
11.29,	0.00) DC		
	5TH HIGHEST VALUE IS	113.91077 AT (	491355.42, 3610288.22, 9.06,
9.06,	0.00) DC		
	6TH HIGHEST VALUE IS	112.62387 AT (	491317.19, 3610288.22, 8.64,
8.64,	0.00) DC		
	7TH HIGHEST VALUE IS	110.15095 AT (	491278.96, 3610288.22, 8.41,
8.41,	0.00) DC		
	8TH HIGHEST VALUE IS	103.42009 AT (	491470.11, 3610342.70, 10.90,
10.90,	0.00) DC		
	9TH HIGHEST VALUE IS	101.08389 AT (	491584.80, 3610342.70, 12.65,
12.65,	0.00) DC		
	10TH HIGHEST VALUE IS	100.13588 AT (	491431.88, 3610342.70, 10.63,
10.63,	0.00) DC		
TRUCK2N	1ST HIGHEST VALUE IS	74.23365 AT (	490903.38, 3610615.39, 7.60,
7.60,	0.00) GC UCART1		
	2ND HIGHEST VALUE IS	72.38493 AT (	490903.38, 3610624.35, 8.10,
8.10,	0.00) GC UCART1		
	3RD HIGHEST VALUE IS	70.74035 AT (	490903.38, 3610633.31, 8.40,
8.40,	0.00) GC UCART1		
	4TH HIGHEST VALUE IS	69.59005 AT (	490903.38, 3610642.27, 8.50,
8.50,	0.00) GC UCART1		
	5TH HIGHEST VALUE IS	68.71990 AT (	490903.38, 3610651.23, 8.50,
8.50,	0.00) GC UCART1		
	6TH HIGHEST VALUE IS	67.59324 AT (	490903.38, 3610660.19, 8.60,
8.60,	0.00) GC UCART1		
	7TH HIGHEST VALUE IS	66.74868 AT (	490903.38, 3610669.15, 8.60,
8.60,	0.00) GC UCART1		
	8TH HIGHEST VALUE IS	65.91795 AT (	490903.38, 3610678.11, 8.60,
8.60,	0.00) GC UCART1		
	9TH HIGHEST VALUE IS	64.86318 AT (	490903.38, 3610687.07, 8.70,
8.70,	0.00) GC UCART1		
	10TH HIGHEST VALUE IS	64.07950 AT (	490903.38, 3610696.03, 8.70,
8.70,	0.00) GC UCART1		

TRUCK3S	1ST HIGHEST VALUE IS	44.89942	AT (	491450.77,	3609114.22,	6.98,
	6.98, 0.00) DC					
	2ND HIGHEST VALUE IS	44.53244	AT (	491443.74,	3609145.37,	7.04,
	7.04, 0.00) DC					
	3RD HIGHEST VALUE IS	44.42736	AT (	491424.65,	3609198.62,	6.47,
	6.47, 0.00) DC					
	4TH HIGHEST VALUE IS	44.34198	AT (	491449.77,	3609129.29,	6.97,
	6.97, 0.00) DC					
	5TH HIGHEST VALUE IS	44.13694	AT (	491434.69,	3609178.52,	6.71,
	6.71, 0.00) DC					
	6TH HIGHEST VALUE IS	44.08000	AT (	491439.72,	3609164.46,	7.02,
	7.02, 0.00) DC					
	7TH HIGHEST VALUE IS	43.84548	AT (	491418.62,	3609216.71,	6.68,
	6.68, 0.00) DC					
	8TH HIGHEST VALUE IS	43.60321	AT (	491461.82,	3609094.12,	7.14,
	7.14, 0.00) DC					
	9TH HIGHEST VALUE IS	43.10188	AT (	491414.60,	3609231.78,	6.65,
	6.65, 0.00) DC					
	10TH HIGHEST VALUE IS	42.88263	AT (	491470.87,	3609072.02,	6.88,
	6.88, 0.00) DC					
EMGBLDG1	1ST HIGHEST VALUE IS	15.36560	AT (	490964.36,	3610346.96,	4.70,
	4.70, 0.00) GC UCART2					
	2ND HIGHEST VALUE IS	15.32125	AT (	490964.36,	3610333.75,	4.60,
	4.60, 0.00) GC UCART2					
	3RD HIGHEST VALUE IS	15.27680	AT (	490964.36,	3610360.17,	4.80,
	4.80, 0.00) GC UCART2					
	4TH HIGHEST VALUE IS	15.03752	AT (	490964.36,	3610373.38,	5.00,
	5.00, 0.00) GC UCART2					
	5TH HIGHEST VALUE IS	14.64663	AT (	490964.36,	3610386.59,	5.40,
	5.40, 0.00) GC UCART2					
	6TH HIGHEST VALUE IS	14.11152	AT (	490964.36,	3610399.80,	5.90,
	5.90, 0.00) GC UCART2					
	7TH HIGHEST VALUE IS	14.06175	AT (	490985.16,	3610346.96,	5.70,
	5.70, 0.00) GC UCART2					
	8TH HIGHEST VALUE IS	14.02658	AT (	490985.16,	3610333.75,	5.60,
	5.60, 0.00) GC UCART2					
	9TH HIGHEST VALUE IS	14.02295	AT (	490985.16,	3610360.17,	6.00,
	6.00, 0.00) GC UCART2					
	10TH HIGHEST VALUE IS	13.88675	AT (490985.16,	3610373.38,	6.40,
	7.90, 0.00) GC UCART2					

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*** THE SUMMARY OF MAXIMUM PERIOD (26304

HRS) RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
EMGBLDG2	1ST HIGHEST VALUE IS	12.55006 AT (	490964.36, 3610333.75, 4.60,
	4.60, 0.00) GC UCART2		
	2ND HIGHEST VALUE IS	12.22597 AT (	490964.36, 3610346.96, 4.70,
	4.70, 0.00) GC UCART2		
	3RD HIGHEST VALUE IS	11.89410 AT (	490985.16, 3610333.75, 5.60,
	5.60, 0.00) GC UCART2		
	4TH HIGHEST VALUE IS	11.79637 AT (	490964.36, 3610360.17, 4.80,
	4.80, 0.00) GC UCART2		
	5TH HIGHEST VALUE IS	11.64017 AT (	490985.16, 3610346.96, 5.70,
	5.70, 0.00) GC UCART2		
	6TH HIGHEST VALUE IS	11.36223 AT (	490964.36, 3610373.38, 5.00,
	5.00, 0.00) GC UCART2		
	7TH HIGHEST VALUE IS	11.29418 AT (	490985.16, 3610360.17, 6.00,
	6.00, 0.00) GC UCART2		
	8TH HIGHEST VALUE IS	11.22684 AT (	491005.96, 3610333.75, 6.90,
	6.90, 0.00) GC UCART2		
	9TH HIGHEST VALUE IS	11.06240 AT (	491005.96, 3610346.96, 6.90,
	6.90, 0.00) GC UCART2		
	10TH HIGHEST VALUE IS	10.88422 AT (	490985.16, 3610373.38, 6.40,
	7.90, 0.00) GC UCART2		
EMGBLDG3	1ST HIGHEST VALUE IS	14.73244 AT (	490964.36, 3610333.75, 4.60,
	4.60, 0.00) GC UCART2		
	2ND HIGHEST VALUE IS	14.57630 AT (	490964.36, 3610346.96, 4.70,
	4.70, 0.00) GC UCART2		
	3RD HIGHEST VALUE IS	14.31335 AT (	490964.36, 3610360.17, 4.80,
	4.80, 0.00) GC UCART2		
	4TH HIGHEST VALUE IS	13.93159 AT (	490964.36, 3610373.38, 5.00,
	5.00, 0.00) GC UCART2		
	5TH HIGHEST VALUE IS	13.52621 AT (	490985.16, 3610333.75, 5.60,
	5.60, 0.00) GC UCART2		
	6TH HIGHEST VALUE IS	13.45927 AT (	490964.36, 3610386.59, 5.40,
	5.40, 0.00) GC UCART2		
	7TH HIGHEST VALUE IS	13.37630 AT (	490985.16, 3610346.96, 5.70,
	5.70, 0.00) GC UCART2		
	8TH HIGHEST VALUE IS	13.16935 AT (	490985.16, 3610360.17, 6.00,

6.00,	0.00)	GC UCART2	12.91140	AT (	490964.36,	3610399.80,	5.90,
9TH HIGHEST VALUE IS							
5.90,	0.00)	GC UCART2	12.88900	AT (	490985.16,	3610373.38,	6.40,
10TH HIGHEST VALUE IS							
7.90,	0.00)	GC UCART2					
EMGBLDG4	1ST HIGHEST VALUE IS		7.28785	AT (	491098.46,	3610169.21,	6.93,
6.93,	0.00)	DC					
2ND HIGHEST VALUE IS			7.08208	AT (	491115.74,	3610172.91,	6.64,
6.64,	0.00)	DC					
3RD HIGHEST VALUE IS			7.03371	AT (	491105.25,	3610150.69,	5.89,
5.89,	0.00)	DC					
4TH HIGHEST VALUE IS			6.76638	AT (	491109.57,	3610134.65,	5.33,
5.33,	0.00)	DC					
5TH HIGHEST VALUE IS			6.65797	AT (	491108.33,	3610125.39,	5.69,
5.69,	0.00)	DC					
6TH HIGHEST VALUE IS			6.63406	AT (	491124.99,	3610139.59,	6.07,
6.07,	0.00)	DC					
7TH HIGHEST VALUE IS			6.58262	AT (	491130.55,	3610141.44,	6.22,
6.22,	0.00)	DC					
8TH HIGHEST VALUE IS			6.55895	AT (	491164.27,	3610233.74,	6.98,
6.98,	0.00)	DC					
9TH HIGHEST VALUE IS			6.46536	AT (	491142.89,	3610145.14,	6.39,
6.39,	0.00)	DC					
10TH HIGHEST VALUE IS			6.41669	AT (	491113.27,	3610114.29,	6.19,
6.19,	0.00)	DC					
EMGPA-A	1ST HIGHEST VALUE IS		33.86242	AT (	490985.16,	3610333.75,	5.60,
5.60,	0.00)	GC UCART2					
2ND HIGHEST VALUE IS			31.16262	AT (	490964.36,	3610333.75,	4.60,
4.60,	0.00)	GC UCART2					
3RD HIGHEST VALUE IS			30.72563	AT (	491005.96,	3610333.75,	6.90,
6.90,	0.00)	GC UCART2					
4TH HIGHEST VALUE IS			28.78286	AT (	491026.76,	3610333.75,	7.50,
7.50,	0.00)	GC UCART2					
5TH HIGHEST VALUE IS			28.26923	AT (	490985.16,	3610346.96,	5.70,
5.70,	0.00)	GC UCART2					
6TH HIGHEST VALUE IS			27.97289	AT (	491005.96,	3610346.96,	6.90,
6.90,	0.00)	GC UCART2					
7TH HIGHEST VALUE IS			27.30707	AT (	490964.36,	3610346.96,	4.70,
4.70,	0.00)	GC UCART2					
8TH HIGHEST VALUE IS			26.56594	AT (	491047.56,	3610333.75,	7.60,
7.60,	0.00)	GC UCART2					
9TH HIGHEST VALUE IS			25.89109	AT (	491026.76,	3610346.96,	7.30,
7.30,	0.00)	GC UCART2					
10TH HIGHEST VALUE IS			25.32189	AT (491005.96,	3610360.17,	7.20,
7.20,	0.00)	GC UCART2					

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
ALL	1ST HIGHEST VALUE IS	488.73499 AT (	490964.36, 3610333.75, 4.60,
4.60,	0.00) GC UCART2		
	2ND HIGHEST VALUE IS	479.99323 AT (	490964.36, 3610346.96, 4.70,
4.70,	0.00) GC UCART2		
	3RD HIGHEST VALUE IS	469.22702 AT (	490964.36, 3610360.17, 4.80,
4.80,	0.00) GC UCART2		
	4TH HIGHEST VALUE IS	458.54352 AT (	490985.16, 3610333.75, 5.60,
5.60,	0.00) GC UCART2		
	5TH HIGHEST VALUE IS	457.98275 AT (	490964.36, 3610373.38, 5.00,
5.00,	0.00) GC UCART2		
	6TH HIGHEST VALUE IS	447.70721 AT (	490985.16, 3610346.96, 5.70,
5.70,	0.00) GC UCART2		
	7TH HIGHEST VALUE IS	446.14940 AT (	490964.36, 3610386.59, 5.40,
5.40,	0.00) GC UCART2		
	8TH HIGHEST VALUE IS	436.00437 AT (	490985.16, 3610360.17, 6.00,
6.00,	0.00) GC UCART2		
	9TH HIGHEST VALUE IS	432.84381 AT (	490964.36, 3610399.80, 5.90,
5.90,	0.00) GC UCART2		
	10TH HIGHEST VALUE IS	426.42451 AT (	490985.16, 3610373.38, 6.40,
7.90,	0.00) GC UCART2		

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK AVERAGE CONC OF TYPE GRID-ID	DATE (YYMMDDHH)	RECEPTOR
YRDTRK HIGH 3610399.80,	1ST HIGH VALUE IS 5.90, 5.90, 0.00) GC UCART2	1108.04754 ON 11103019: AT (	490964.36,
IDLE HIGH 3610386.59,	1ST HIGH VALUE IS 5.40, 5.40, 0.00) GC UCART2	1250.18167 ON 10021719: AT (	490964.36,
FORKLIFT HIGH 3610333.75,	1ST HIGH VALUE IS 4.60, 4.60, 0.00) GC UCART2	1178.49758 ON 10021719: AT (	490964.36,
TRUS HIGH 3610333.75,	1ST HIGH VALUE IS 4.60, 4.60, 0.00) GC UCART2	1484.95222 ON 11103019: AT (	490964.36,
TRUCK1E HIGH 3610233.74,	1ST HIGH VALUE IS 6.98, 6.98, 0.00) DC	2310.56020 ON 11120904: AT (	491164.27,
TRUCK2N HIGH 3610346.96,	1ST HIGH VALUE IS 4.70, 4.70, 0.00) GC UCART2	1145.52832 ON 11040421: AT (	490964.36,
TRUCK3S HIGH 3608992.64,	1ST HIGH VALUE IS 7.46, 7.46, 0.00) DC	768.39153 ON 10101020: AT (	491498.00,
EMGBLDG1 HIGH 3610333.75,	1ST HIGH VALUE IS 4.60, 4.60, 0.00) GC UCART2	420.96139 ON 10110918: AT (	490964.36,
EMGBLDG2 HIGH 3610333.75,	1ST HIGH VALUE IS 4.60, 4.60, 0.00) GC UCART2	383.65790 ON 10061621: AT (	490964.36,
EMGBLDG3 HIGH 3610333.75,	1ST HIGH VALUE IS 4.60, 4.60, 0.00) GC UCART2	390.23112 ON 10110918: AT (	490964.36,
EMGBLDG4 HIGH 3610233.74,	1ST HIGH VALUE IS 6.98, 6.98, 0.00) DC	299.48152 ON 10110918: AT (	491164.27,

EMGPA-A HIGH 1ST HIGH VALUE IS 751.19463 ON 11021219: AT (490964.36,
3610333.75, 4.60, 4.60, 0.00) GC UCART2

ALL HIGH 1ST HIGH VALUE IS 5817.28712 ON 11082824: AT (490964.36,
3610333.75, 4.60, 4.60, 0.00) GC UCART2

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 6 Warning Message(s)
A Total of 456 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 161 Calm Hours Identified

A Total of 295 Missing Hours Identified (1.12 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
SO W320 2804 PPARAM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2805 PPARAM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2806 PPARAM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2807 PPARAM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2808 PPARAM: Input Parameter May Be Out-of-Range for Parameter
VS
MX W403 3221 PFLCNV: Turbulence data is being used w/o ADJ_U* option

SigA Data

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*****  
*** AERMOD Finishes Successfully ***  
*****
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** MODEL SETUP OPTIONS SUMMARY

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses RURAL Dispersion Only.
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1227 Source(s); 13 Source Group(s); and 1701
Receptor(s)

with: 5 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1222 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

10	01	01	1	01	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	48.		10.0	283.1	10.0						
10	01	01	1	02	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	62.		10.0	283.1	10.0						
10	01	01	1	03	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	45.		10.0	282.5	10.0						
10	01	01	1	04	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	79.		10.0	281.9	10.0						
10	01	01	1	05	-0.2	0.015	-9.000	-9.000	-999.	4.	1.3	0.03	0.98
1.00		0.44	356.		10.0	280.8	10.0						
10	01	01	1	06	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	45.		10.0	280.8	10.0						
10	01	01	1	07	-0.8	0.031	-9.000	-9.000	-999.	13.	3.3	0.03	0.98
1.00		0.89	47.		10.0	281.9	10.0						
10	01	01	1	08	-0.6	0.030	-9.000	-9.000	-999.	13.	4.3	0.03	0.98
0.49		0.89	78.		10.0	282.5	10.0						
10	01	01	1	09	19.1	0.086	0.293	0.014	47.	61.	-3.1	0.03	0.98
0.30		0.89	24.		10.0	286.4	10.0						
10	01	01	1	10	60.3	0.098	0.561	0.010	106.	73.	-1.4	0.03	0.98
0.23		0.89	351.		10.0	288.1	10.0						
10	01	01	1	11	59.0	0.158	0.715	0.009	224.	150.	-6.0	0.03	0.98
0.21		1.78	311.		10.0	290.8	10.0						
10	01	01	1	12	67.1	0.189	0.858	0.008	341.	197.	-9.1	0.03	0.98
0.20		2.23	313.		10.0	292.5	10.0						
10	01	01	1	13	66.4	0.159	0.922	0.008	427.	153.	-5.5	0.03	0.98
0.20		1.78	305.		10.0	293.6	10.0						
10	01	01	1	14	57.3	0.187	0.919	0.008	490.	193.	-10.2	0.03	0.98
0.21		2.23	278.		10.0	294.8	10.0						
10	01	01	1	15	38.8	0.237	0.827	0.008	526.	277.	-31.0	0.03	0.98
0.24		3.12	289.		10.0	293.1	10.0						
10	01	01	1	16	20.7	0.173	0.678	0.008	543.	174.	-22.7	0.03	0.98
0.33		2.23	296.		10.0	291.4	10.0						
10	01	01	1	17	-1.5	0.046	-9.000	-9.000	-999.	46.	5.7	0.03	0.98
0.60		1.34	337.		10.0	291.4	10.0						
10	01	01	1	18	-1.6	0.046	-9.000	-9.000	-999.	23.	5.4	0.03	0.98
1.00		1.34	337.		10.0	290.3	10.0						
10	01	01	1	19	-0.2	0.015	-9.000	-9.000	-999.	5.	1.8	0.03	0.98
1.00		0.44	252.		10.0	288.6	10.0						
10	01	01	1	20	-0.2	0.015	-9.000	-9.000	-999.	4.	1.8	0.03	0.98
1.00		0.44	113.		10.0	287.5	10.0						
10	01	01	1	21	-0.8	0.030	-9.000	-9.000	-999.	13.	3.3	0.03	0.98
1.00		0.89	122.		10.0	286.9	10.0						
10	01	01	1	22	-2.1	0.046	-9.000	-9.000	-999.	23.	4.0	0.03	0.98
1.00		1.34	99.		10.0	286.4	10.0						
10	01	01	1	23	-1.0	0.030	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	331.		10.0	285.3	10.0						
10	01	01	1	24	-1.0	0.031	-9.000	-9.000	-999.	13.	2.6	0.03	0.98
1.00		0.89	40.		10.0	285.3	10.0						

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	10.0	1	48.	0.89	283.2	30.0	-99.00	0.41

F indicates top of profile (=1) or below (=0)

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304

HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE	GRID-ID	

YRDTRK	1ST HIGHEST VALUE IS	88.15934 AT (	490964.36, 3610333.75, 4.60,
	4.60, 0.00) GC UCART2		
	2ND HIGHEST VALUE IS	87.56802 AT (	490964.36, 3610346.96, 4.70,
	4.70, 0.00) GC UCART2		
	3RD HIGHEST VALUE IS	86.54469 AT (	490964.36, 3610360.17, 4.80,
	4.80, 0.00) GC UCART2		
	4TH HIGHEST VALUE IS	85.13216 AT (	490964.36, 3610373.38, 5.00,
	5.00, 0.00) GC UCART2		
	5TH HIGHEST VALUE IS	83.14851 AT (	490964.36, 3610386.59, 5.40,
	5.40, 0.00) GC UCART2		
	6TH HIGHEST VALUE IS	80.68609 AT (	490964.36, 3610399.80, 5.90,
	5.90, 0.00) GC UCART2		
	7TH HIGHEST VALUE IS	79.68315 AT (	490985.16, 3610333.75, 5.60,
	5.60, 0.00) GC UCART2		
	8TH HIGHEST VALUE IS	79.00800 AT (	490985.16, 3610346.96, 5.70,
	5.70, 0.00) GC UCART2		
	9TH HIGHEST VALUE IS	77.79725 AT (	490985.16, 3610360.17, 6.00,
	6.00, 0.00) GC UCART2		
	10TH HIGHEST VALUE IS	77.69411 AT (	490964.36, 3610413.01, 6.50,
	6.50, 0.00) GC UCART2		

IDLE	1ST HIGHEST VALUE IS	97.38176 AT (490964.36, 3610333.75, 4.60,
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4.60,	0.00)	GC UCART2	96.59193	AT (490964.36,	3610346.96,	4.70,
4.70,	0.00)	GC UCART2	95.35621	AT (490964.36,	3610360.17,	4.80,
4.80,	0.00)	GC UCART2	93.77380	AT (	490964.36,	3610373.38,	5.00,
5.00,	0.00)	GC UCART2	91.57011	AT (	490964.36,	3610386.59,	5.40,
5.40,	0.00)	GC UCART2	88.66678	AT (	490985.16,	3610333.75,	5.60,
5.60,	0.00)	GC UCART2	88.60128	AT (	490964.36,	3610399.80,	5.90,
5.90,	0.00)	GC UCART2	87.57470	AT (	490985.16,	3610346.96,	5.70,
5.70,	0.00)	GC UCART2	85.92314	AT (	490985.16,	3610360.17,	6.00,
6.00,	0.00)	GC UCART2	85.03874	AT (	490964.36,	3610413.01,	6.50,
6.50,	0.00)	GC UCART2					
FORKLIFT							
1ST HIGHEST VALUE IS			79.53785	AT (	490964.36,	3610333.75,	4.60,
4.60,	0.00)	GC UCART2	78.66981	AT (	490964.36,	3610346.96,	4.70,
4.70,	0.00)	GC UCART2	77.51193	AT (	490964.36,	3610360.17,	4.80,
4.80,	0.00)	GC UCART2	76.03323	AT (	490964.36,	3610373.38,	5.00,
5.00,	0.00)	GC UCART2	74.13693	AT (	490964.36,	3610386.59,	5.40,
5.40,	0.00)	GC UCART2	71.88100	AT (	490985.16,	3610333.75,	5.60,
5.60,	0.00)	GC UCART2	71.83273	AT (	490964.36,	3610399.80,	5.90,
5.90,	0.00)	GC UCART2	71.13971	AT (	490985.16,	3610346.96,	5.70,
5.70,	0.00)	GC UCART2	69.90658	AT (	490985.16,	3610360.17,	6.00,
6.00,	0.00)	GC UCART2	69.05437	AT (	490964.36,	3610413.01,	6.50,
6.50,	0.00)	GC UCART2					
TRUS							
1ST HIGHEST VALUE IS			46.39508	AT (	490964.36,	3610333.75,	4.60,
4.60,	0.00)	GC UCART2	45.74054	AT (	490964.36,	3610346.96,	4.70,
4.70,	0.00)	GC UCART2	44.93945	AT (	490964.36,	3610360.17,	4.80,
4.80,	0.00)	GC UCART2	43.96504	AT (	490964.36,	3610373.38,	5.00,
5.00,	0.00)	GC UCART2	42.95749	AT (	490985.16,	3610333.75,	5.60,

5.60, 0.00) GC UCART2
 6TH HIGHEST VALUE IS 42.76422 AT (490964.36, 3610386.59, 5.40,
 5.40, 0.00) GC UCART2
 7TH HIGHEST VALUE IS 42.39964 AT (490985.16, 3610346.96, 5.70,
 5.70, 0.00) GC UCART2
 8TH HIGHEST VALUE IS 41.56136 AT (490985.16, 3610360.17, 6.00,
 6.00, 0.00) GC UCART2
 9TH HIGHEST VALUE IS 41.37326 AT (490964.36, 3610399.80, 5.90,
 5.90, 0.00) GC UCART2
 10TH HIGHEST VALUE IS 40.45534 AT (490985.16, 3610373.38, 6.40,
 7.90, 0.00) GC UCART2

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304
 HRS) RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
TRUCK1E	1ST HIGHEST VALUE IS	122.01980 AT (491546.57, 3610342.70,	11.71,
11.71,	0.00) DC		
	2ND HIGHEST VALUE IS	120.47655 AT (491164.27, 3610233.74,	6.98,
6.98,	0.00) DC		
	3RD HIGHEST VALUE IS	118.30743 AT (491623.03, 3610397.18,	13.11,
13.11,	0.00) DC		
	4TH HIGHEST VALUE IS	114.78200 AT (491508.34, 3610342.70,	11.29,
11.29,	0.00) DC		
	5TH HIGHEST VALUE IS	113.91077 AT (491355.42, 3610288.22,	9.06,
9.06,	0.00) DC		
	6TH HIGHEST VALUE IS	112.62387 AT (491317.19, 3610288.22,	8.64,
8.64,	0.00) DC		
	7TH HIGHEST VALUE IS	110.15095 AT (491278.96, 3610288.22,	8.41,
8.41,	0.00) DC		
	8TH HIGHEST VALUE IS	103.42009 AT (491470.11, 3610342.70,	10.90,
10.90,	0.00) DC		
	9TH HIGHEST VALUE IS	101.08389 AT (491584.80, 3610342.70,	12.65,

12.65,	0.00) DC			
10.63,	0.00) DC	100.13588	AT (491431.88,	3610342.70,
				10.63,
TRUCK2N	1ST HIGHEST VALUE IS	74.23365	AT (490903.38,	3610615.39,
7.60,	0.00) GC UCART1			7.60,
	2ND HIGHEST VALUE IS	72.38493	AT (490903.38,	3610624.35,
8.10,	0.00) GC UCART1			8.10,
	3RD HIGHEST VALUE IS	70.74035	AT (490903.38,	3610633.31,
8.40,	0.00) GC UCART1			8.40,
	4TH HIGHEST VALUE IS	69.59005	AT (490903.38,	3610642.27,
8.50,	0.00) GC UCART1			8.50,
	5TH HIGHEST VALUE IS	68.71990	AT (490903.38,	3610651.23,
8.50,	0.00) GC UCART1			8.50,
	6TH HIGHEST VALUE IS	67.59324	AT (490903.38,	3610660.19,
8.60,	0.00) GC UCART1			8.60,
	7TH HIGHEST VALUE IS	66.74868	AT (490903.38,	3610669.15,
8.60,	0.00) GC UCART1			8.60,
	8TH HIGHEST VALUE IS	65.91795	AT (490903.38,	3610678.11,
8.60,	0.00) GC UCART1			8.60,
	9TH HIGHEST VALUE IS	64.86318	AT (490903.38,	3610687.07,
8.70,	0.00) GC UCART1			8.70,
	10TH HIGHEST VALUE IS	64.07950	AT (490903.38,	3610696.03,
8.70,	0.00) GC UCART1			8.70,
TRUCK3S	1ST HIGHEST VALUE IS	44.89942	AT (491450.77,	3609114.22,
6.98,	0.00) DC			6.98,
	2ND HIGHEST VALUE IS	44.53244	AT (491443.74,	3609145.37,
7.04,	0.00) DC			7.04,
	3RD HIGHEST VALUE IS	44.42736	AT (491424.65,	3609198.62,
6.47,	0.00) DC			6.47,
	4TH HIGHEST VALUE IS	44.34198	AT (491449.77,	3609129.29,
6.97,	0.00) DC			6.97,
	5TH HIGHEST VALUE IS	44.13694	AT (491434.69,	3609178.52,
6.71,	0.00) DC			6.71,
	6TH HIGHEST VALUE IS	44.08000	AT (491439.72,	3609164.46,
7.02,	0.00) DC			7.02,
	7TH HIGHEST VALUE IS	43.84548	AT (491418.62,	3609216.71,
6.68,	0.00) DC			6.68,
	8TH HIGHEST VALUE IS	43.60321	AT (491461.82,	3609094.12,
7.14,	0.00) DC			7.14,
	9TH HIGHEST VALUE IS	43.10188	AT (491414.60,	3609231.78,
6.65,	0.00) DC			6.65,
	10TH HIGHEST VALUE IS	42.88263	AT (491470.87,	3609072.02,
6.88,	0.00) DC			6.88,
EMGBLDG1	1ST HIGHEST VALUE IS	15.36560	AT (490964.36,	3610346.96,
4.70,	0.00) GC UCART2			4.70,
	2ND HIGHEST VALUE IS	15.32125	AT (490964.36,	3610333.75,
4.60,	0.00) GC UCART2			4.60,

3RD HIGHEST VALUE IS 15.27680 AT (490964.36, 3610360.17, 4.80,
 4.80, 0.00) GC UCART2
 4TH HIGHEST VALUE IS 15.03752 AT (490964.36, 3610373.38, 5.00,
 5.00, 0.00) GC UCART2
 5TH HIGHEST VALUE IS 14.64663 AT (490964.36, 3610386.59, 5.40,
 5.40, 0.00) GC UCART2
 6TH HIGHEST VALUE IS 14.11152 AT (490964.36, 3610399.80, 5.90,
 5.90, 0.00) GC UCART2
 7TH HIGHEST VALUE IS 14.06175 AT (490985.16, 3610346.96, 5.70,
 5.70, 0.00) GC UCART2
 8TH HIGHEST VALUE IS 14.02658 AT (490985.16, 3610333.75, 5.60,
 5.60, 0.00) GC UCART2
 9TH HIGHEST VALUE IS 14.02295 AT (490985.16, 3610360.17, 6.00,
 6.00, 0.00) GC UCART2
 10TH HIGHEST VALUE IS 13.88675 AT (490985.16, 3610373.38, 6.40,
 7.90, 0.00) GC UCART2

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304
 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		

EMGBLDG2	1ST HIGHEST VALUE IS	12.55006 AT (490964.36, 3610333.75,	4.60,
	4.60, 0.00) GC UCART2		
	2ND HIGHEST VALUE IS	12.22597 AT (490964.36, 3610346.96,	4.70,
	4.70, 0.00) GC UCART2		
	3RD HIGHEST VALUE IS	11.89410 AT (490985.16, 3610333.75,	5.60,
	5.60, 0.00) GC UCART2		
	4TH HIGHEST VALUE IS	11.79637 AT (490964.36, 3610360.17,	4.80,
	4.80, 0.00) GC UCART2		
	5TH HIGHEST VALUE IS	11.64017 AT (490985.16, 3610346.96,	5.70,
	5.70, 0.00) GC UCART2		
	6TH HIGHEST VALUE IS	11.36223 AT (490964.36, 3610373.38,	5.00,
	5.00, 0.00) GC UCART2		

	7TH HIGHEST VALUE IS	11.29418 AT (	490985.16,	3610360.17,	6.00,
	6.00, 0.00) GC UCART2				
	8TH HIGHEST VALUE IS	11.22684 AT (	491005.96,	3610333.75,	6.90,
	6.90, 0.00) GC UCART2				
	9TH HIGHEST VALUE IS	11.06240 AT (	491005.96,	3610346.96,	6.90,
	6.90, 0.00) GC UCART2				
	10TH HIGHEST VALUE IS	10.88422 AT (	490985.16,	3610373.38,	6.40,
	7.90, 0.00) GC UCART2				
EMGBLDG3	1ST HIGHEST VALUE IS	14.73244 AT (	490964.36,	3610333.75,	4.60,
	4.60, 0.00) GC UCART2				
	2ND HIGHEST VALUE IS	14.57630 AT (	490964.36,	3610346.96,	4.70,
	4.70, 0.00) GC UCART2				
	3RD HIGHEST VALUE IS	14.31335 AT (	490964.36,	3610360.17,	4.80,
	4.80, 0.00) GC UCART2				
	4TH HIGHEST VALUE IS	13.93159 AT (	490964.36,	3610373.38,	5.00,
	5.00, 0.00) GC UCART2				
	5TH HIGHEST VALUE IS	13.52621 AT (	490985.16,	3610333.75,	5.60,
	5.60, 0.00) GC UCART2				
	6TH HIGHEST VALUE IS	13.45927 AT (	490964.36,	3610386.59,	5.40,
	5.40, 0.00) GC UCART2				
	7TH HIGHEST VALUE IS	13.37630 AT (	490985.16,	3610346.96,	5.70,
	5.70, 0.00) GC UCART2				
	8TH HIGHEST VALUE IS	13.16935 AT (	490985.16,	3610360.17,	6.00,
	6.00, 0.00) GC UCART2				
	9TH HIGHEST VALUE IS	12.91140 AT (	490964.36,	3610399.80,	5.90,
	5.90, 0.00) GC UCART2				
	10TH HIGHEST VALUE IS	12.88900 AT (	490985.16,	3610373.38,	6.40,
	7.90, 0.00) GC UCART2				
EMGBLDG4	1ST HIGHEST VALUE IS	7.28785 AT (	491098.46,	3610169.21,	6.93,
	6.93, 0.00) DC				
	2ND HIGHEST VALUE IS	7.08208 AT (	491115.74,	3610172.91,	6.64,
	6.64, 0.00) DC				
	3RD HIGHEST VALUE IS	7.03371 AT (	491105.25,	3610150.69,	5.89,
	5.89, 0.00) DC				
	4TH HIGHEST VALUE IS	6.76638 AT (	491109.57,	3610134.65,	5.33,
	5.33, 0.00) DC				
	5TH HIGHEST VALUE IS	6.65797 AT (	491108.33,	3610125.39,	5.69,
	5.69, 0.00) DC				
	6TH HIGHEST VALUE IS	6.63406 AT (	491124.99,	3610139.59,	6.07,
	6.07, 0.00) DC				
	7TH HIGHEST VALUE IS	6.58262 AT (	491130.55,	3610141.44,	6.22,
	6.22, 0.00) DC				
	8TH HIGHEST VALUE IS	6.55895 AT (	491164.27,	3610233.74,	6.98,
	6.98, 0.00) DC				
	9TH HIGHEST VALUE IS	6.46536 AT (	491142.89,	3610145.14,	6.39,
	6.39, 0.00) DC				
	10TH HIGHEST VALUE IS	6.41669 AT (	491113.27,	3610114.29,	6.19,
	6.19, 0.00) DC				

EMGPA-A 1ST HIGHEST VALUE IS 33.86242 AT (490985.16, 3610333.75, 5.60,
5.60, 0.00) GC UCART2
2ND HIGHEST VALUE IS 31.16262 AT (490964.36, 3610333.75, 4.60,
4.60, 0.00) GC UCART2
3RD HIGHEST VALUE IS 30.72563 AT (491005.96, 3610333.75, 6.90,
6.90, 0.00) GC UCART2
4TH HIGHEST VALUE IS 28.78286 AT (491026.76, 3610333.75, 7.50,
7.50, 0.00) GC UCART2
5TH HIGHEST VALUE IS 28.26923 AT (490985.16, 3610346.96, 5.70,
5.70, 0.00) GC UCART2
6TH HIGHEST VALUE IS 27.97289 AT (491005.96, 3610346.96, 6.90,
6.90, 0.00) GC UCART2
7TH HIGHEST VALUE IS 27.30707 AT (490964.36, 3610346.96, 4.70,
4.70, 0.00) GC UCART2
8TH HIGHEST VALUE IS 26.56594 AT (491047.56, 3610333.75, 7.60,
7.60, 0.00) GC UCART2
9TH HIGHEST VALUE IS 25.89109 AT (491026.76, 3610346.96, 7.30,
7.30, 0.00) GC UCART2
10TH HIGHEST VALUE IS 25.32189 AT (491005.96, 3610360.17, 7.20,
7.20, 0.00) GC UCART2

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304

HRS) RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		

ALL	1ST HIGHEST VALUE IS	488.73499 AT (490964.36, 3610333.75,	4.60,
	4.60, 0.00) GC UCART2		
	2ND HIGHEST VALUE IS	479.99323 AT (490964.36, 3610346.96,	4.70,
	4.70, 0.00) GC UCART2		
	3RD HIGHEST VALUE IS	469.22702 AT (490964.36, 3610360.17,	4.80,
	4.80, 0.00) GC UCART2		
	4TH HIGHEST VALUE IS	458.54352 AT (490985.16, 3610333.75,	5.60,

5.60, 0.00) GC UCART2
 5TH HIGHEST VALUE IS 457.98275 AT (490964.36, 3610373.38, 5.00,
 5.00, 0.00) GC UCART2
 6TH HIGHEST VALUE IS 447.70721 AT (490985.16, 3610346.96, 5.70,
 5.70, 0.00) GC UCART2
 7TH HIGHEST VALUE IS 446.14940 AT (490964.36, 3610386.59, 5.40,
 5.40, 0.00) GC UCART2
 8TH HIGHEST VALUE IS 436.00437 AT (490985.16, 3610360.17, 6.00,
 6.00, 0.00) GC UCART2
 9TH HIGHEST VALUE IS 432.84381 AT (490964.36, 3610399.80, 5.90,
 5.90, 0.00) GC UCART2
 10TH HIGHEST VALUE IS 426.42451 AT (490985.16, 3610373.38, 6.40,
 7.90, 0.00) GC UCART2

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID			NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC		(YYMMDDHH)		
	OF TYPE	GRID-ID			
YRDTRK HIGH	1ST HIGH VALUE IS	1108.04754	ON 11103019:	AT (490964.36,	
3610399.80,	5.90, 5.90,	0.00)	GC UCART2		
IDLE HIGH	1ST HIGH VALUE IS	1250.18167	ON 10021719:	AT (490964.36,	
3610386.59,	5.40, 5.40,	0.00)	GC UCART2		
FORKLIFT HIGH	1ST HIGH VALUE IS	1178.49758	ON 10021719:	AT (490964.36,	
3610333.75,	4.60, 4.60,	0.00)	GC UCART2		

TRUS HIGH 1ST HIGH VALUE IS 1484.95222 ON 11103019: AT (490964.36,
3610333.75, 4.60, 4.60, 0.00) GC UCART2

TRUCK1E HIGH 1ST HIGH VALUE IS 2310.56020 ON 11120904: AT (491164.27,
3610233.74, 6.98, 6.98, 0.00) DC

TRUCK2N HIGH 1ST HIGH VALUE IS 1145.52832 ON 11040421: AT (490964.36,
3610346.96, 4.70, 4.70, 0.00) GC UCART2

TRUCK3S HIGH 1ST HIGH VALUE IS 768.39153 ON 10101020: AT (491498.00,
3608992.64, 7.46, 7.46, 0.00) DC

EMGBLDG1 HIGH 1ST HIGH VALUE IS 420.96139 ON 10110918: AT (490964.36,
3610333.75, 4.60, 4.60, 0.00) GC UCART2

EMGBLDG2 HIGH 1ST HIGH VALUE IS 383.65790 ON 10061621: AT (490964.36,
3610333.75, 4.60, 4.60, 0.00) GC UCART2

EMGBLDG3 HIGH 1ST HIGH VALUE IS 390.23112 ON 10110918: AT (490964.36,
3610333.75, 4.60, 4.60, 0.00) GC UCART2

EMGBLDG4 HIGH 1ST HIGH VALUE IS 299.48152 ON 10110918: AT (491164.27,
3610233.74, 6.98, 6.98, 0.00) DC

EMGPA-A HIGH 1ST HIGH VALUE IS 751.19463 ON 11021219: AT (490964.36,
3610333.75, 4.60, 4.60, 0.00) GC UCART2

ALL HIGH 1ST HIGH VALUE IS 5817.28712 ON 11082824: AT (490964.36,
3610333.75, 4.60, 4.60, 0.00) GC UCART2

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFault CONC ELEV RURAL SigA Data

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 6 Warning Message(s)
A Total of 456 Informational Message(s)

A Total of 26304 Hours Were Processed
A Total of 161 Calm Hours Identified
A Total of 295 Missing Hours Identified (1.12 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
SO W320 2804 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2805 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2806 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2807 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
SO W320 2808 PPARM: Input Parameter May Be Out-of-Range for Parameter
VS
MX W403 3221 PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

Appendix C

Energy Estimates

Construction

Source	Percent	Total MTCO2	Gallons	
			Diesel	Gasoline
2024				
Off-road	44.1%	228	22,294	
Electricity	0.0%	0		
Worker	7.7%	40		4,527
Vendor	7.5%	39	3,791	
Hauling	40.6%	210	20,524	
Onsite Truck	0.1%	1	51	
Total	100.0%	516	46,660	4,527
2025				
Off-road	39.1%	284	27,807	
Electricity	0.0%	0		
Worker	29.1%	211		24,066
Vendor	31.8%	231	22,615	
Hauling	0.0%	0	0	
Onsite Truck	0.0%	0	0	
Total	100.0%	726	50,422	24,066
2026				
Off-road	42.4%	174	17,068	
Electricity	0.0%	0		
Worker	28.3%	116		13,248
Vendor	29.2%	120	11,754	
Hauling	0.0%	0	0	
Onsite Truck	0.0%	0	0	
Total	100.0%	411	28,823	13,248
2028				
Off-road	30.0%	123	12,077	
Electricity	0.0%	0		
Worker	34.0%	140		15,916
Vendor	36.1%	148	14,532	
Hauling	0.0%	0	0	
Onsite Truck	0.0%	0	0	
Total	100.0%	370	26,609	15,916
2029				
Off-road	27.4%	113	11,030	
Electricity	0.0%	0		
Worker	35.4%	145		16,571
Vendor	37.2%	153	14,975	
Hauling	0.0%	0	0	
Onsite Truck	0.0%	0	0	
Total	100.0%	546	26,005	16,571
Total Construction Period				
Off-road	55.8%	922	90,275	0
Electricity	0.0%	0	0	0
Worker	39.5%	653	0	74,327
Vendor	41.8%	691	67,668	0
Hauling	12.7%	210	20,524	0
Onsite Truck	0.0%	1	51	0
Total	149.7%	1,653	178,518	74,327

Operation

Source	Percent	Total MTCO2	Gallons	
			Diesel	Gasoline
Mobile Passenger	44.5%	9,596.14	140,792	929,232
Mobile Trucks	37.6%	8,108.76	675,229	0
Landscape Equipment	0.1%	13.99	1,370	
Electricity	7.6%	1,644.20		
Natural Gas Energy	9.0%	1,946.67		
Water and Wastewater	0.7%	144.37		
Solid Waste	0.4%	85.39		
Off-Road Equipment	0.0%	0.00	0	
Emergency Generators and Fire Pumps	0.2%	47.60	4,662	
Total	100%	21587.12	822,053	929,232
			21,587	
Type				
Petroleum		Total	Units	
Electricity	1,751,285	gallons/year		
Natural Gas	17,988,956	kWh/year		
	36,688,148	kBTU/year		

Constants		
Fuel	KgCO2/Gallon	1000 Kg in MT
Gasoline	8.78	
Diesel	10.21	

Source: The Climate Registry 2021

Table 2.1 U.S. Default Factors for Calculating CO₂ Emissions from Combustion of Transport Fuels

Fuel Type	Carbon Content (Per Unit Energy)	Heat Content	Fraction Oxidized	CO ₂ Emission Factor (Per Unit Volume)
Fuels Measured in Gallons	kg C / MMBtu	MMBtu / barrel		kg CO₂ / gallon
Gasoline	19.2	5.25	1	8.78
Diesel Fuel	20.2	5.80	1	10.21