Print Form

Construction Storm Water Pollution Control Plan (CSWPCP)

Department of Public Works-Storm Water Management Section March 2016

In order to comply with the Federal Clean Water Act, the State Water Code, City of Chula Vista Storm Water Management and Discharge Control and Grading Ordinances, BMP Design Manual and Jurisdictional Runoff Management Program, the City of Chula Vista requires that property owners complete a Construction Storm Water Pollution Control Plan (CSWPCP) prior to issuance of any permit for all private and public development and redevelopment projects not subject to NPDES Construction General Permit requirements (CGP).

This form is utilized for all private or public development and redevelopment permit applications not subject to the NPDES Construction General Construction (CGP) including but not limited to:

- Project that results in disturbance of less than one acre of total land area and are not part of a larger common plan of development or sale; or
- Project that have Grading, Construction, Building and Demolition/Removal approval types or require submittal of grading/construction plans for review and approval; or
- Project that results in disturbance of one to five acres of total land area and can demonstrate that there will be no adverse water quality impacts by applying for a Construction Rainfall Erosivity Waiver.
- Linear underground project that results in disturbance of an acre or more of total land area and are considered regular maintenance projects performed to restore the original line, grade, or capacity of the facility.

  Linear underground projects involve the replacement and/or rehabilitation of water, sewer and/or storm drains along with their associated appurtenances in the public Right of Way. Linear Utility projects may also include ADA improvements to curb ramps and sidewalk, street repair from full width to trench limits, and traffic improvements (does not include street resurfacing).

Section 1: Identify Relevant Project Information

Permit Application Number:	Project Name:
Project address/location:	APN:
Brief Project Description:	
Estimate Amount of Disturbed Differential Acreage:	Estimated Elevation over entire Project Area:
Estimate Project Start Date:	Estimate Project Finish Date:

Section 2: Owner/Applicant & Contact Information:

Owner Name:	Owner E-mail:		
Contact Name:	Contact E-mail:		
Contact Address:	City:	State:	Zip Code:
Telephone No.:			
Contractor Name:	Company Name:		
Telephone No.:	E-mail:		

Section 3: Identify Construction Storm Water BMPs

The purpose of the CSWPCP is to document Best Management Practices (BMPs) that will be implemented to prevent pollutants, including sediment, from entering the storm water conveyance system and receiving waters. The CSWPCP becomes a part of the permit and is subject to enforcement by the City and others.

Unprotected construction sites have the potential to discharge sediment and other pollutants into local waterways. All construction projects are required to reduce pollution to the Maximum Extent Practicable by implementing best management practices (BMPs). The seven major categories as identified in the MS4 Permit (E.4.c) are:

1. Project Planning;
2. Good Site Management "Housekeeping", including Waste Management;
3. Non Storm Water Management;
4. Erosion Control;
5. Sediment Control;
6. Run-on and Run-off Control; and
7. Active/Passive Sediment Treatment Systems, where applicable

BEST MANAGEMENT PRACTICES (BMP)

The BMPs listed in Tables 1 and 2 (attached) will be implemented on a year-round basis throughout the project duration, not solely during seasons in which the probability of a rain event is high. All areas not in use for 14 days will be stabilized (i.e., exposed soil will be covered). Sufficient BMP materials will be maintained on-site to allow implementation and emergency installation in the event of a breech. Locations where BMPs will be implemented are to be shown on the Site Map/plan sheet.

BMPs from each of the above categories must be used together as a system in order to prevent potential pollutant discharges. Projects containing site features identified with a "yes" answer in Table 1 must utilize BMPs from the applicable BMP from Table 2. If no BMPs from a specific table are selected, an explanation must be provided. The questions in Table 1 below are designed to assist with selecting appropriate BMPs for the site; please check "Yes" or "No" and provide additional information if needed)

For BMP implementation details, refer to:

- California Stormwater Quality Association (CASQA) Construction BMP Handbook, online at: http://www.casqa.org/LeftNavigation/ConstructionBMPHandbookPortalSWPPPTemplate/tabid/200/Default.aspx, (subscription required); and
- California Department of Transportation (Caltrans) Construction Site BMP Handbook (most current), online at: http://www.dot.ca.gov/hq/construc/stormwater/CSBMPM_303_Final.pdf.

Note: It is the responsibility of the property owner and the contractor to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with all applicable requirements. Failure to prevent soil erosion and discharges of sediment and other pollutants from construction sites is subject to enforcement by the City and others.

BMP Inspections

Routine inspections are necessary to ensure the integrity and effectiveness of BMPs, and helps protect a site from unexpected weather events. Project owner or contractor should perform daily inspections to identify BMPs in need of maintenance. Best management practice maintenance requirements are listed in Table 3 below.

Table 1 - Determination of Site Features, Activities, and Potential Pollutants

No	Site/Activity Features Questions	No	Yes	If Yes, Select BMPs from Table 2:	Potential Pollutant Sources (add, if not listed)
1	Is there run-on to the site from surrounding areas?	☐	☐	Item H	-
2	Are storm drain inlets located within the project boundary and/or will the site discharge storm water to nearby storm drain inlets?	☐	☐	Items F & H	-
3	Will concentrated flows and/or large accumulations of water occur on-site?	☐	☐	Item H	-
4	Is the site adjacent to a waterway or sensitive habitat (i.e., wetland, vernal pool, etc.)? Note: additional permitting may be required.	☐	☐	Item E	-
6	Will the site have exposed/disturbed slopes greater than 5 percent?	☐	☐	Items A, B, C & D, F	-
7	Will there be soil-disturbance activities (grading, stockpiling, trenching, etc.)?	☐	☐	Items A, B, C & D, F, G	Sediment
8	Will there be asphalt paving, cutting, and/or patching?	☐	☐	Item A & J	Asphalt aggregate
9	Will there be stockpiling (i.e., soil, concrete, solid waste, etc.) for over 24 hours?	☐	☐	Item K	Stockpiled material, please specify:
10	Will there be slurries from concrete or mortar mixing, coring, or saw cutting?	☐	☐	Items I, J & K	Concrete materials, aggregate, slurry water
11	Will wash water or liquid waste be generated from this project?	☐	☐	Items I, J & M	Liquid waste, please specify:
12	Will there be dewatering operations?	☐	☐	Item M	Dewatering water, please specify:
13	Will there be on-site storage of construction materials such as mortar mix, raw landscaping and soil stabilization materials, treated lumber, rebar, and plated metal fencing materials?	☐	☐	Item K	Construction materials, please specify:
14	Will trash or solid wastes (including landscaping wastes) be generated from this project?	☐	☐	Item J	Solid waste, please specify:
15	Will hazardous materials or wastes, including paint, be stored or handled on-site?	☐	☐	Item J	Hazardous material, please specify:
16	Will construction equipment and/or vehicles be stored, fueled, maintained, or washed on- site?	☐	☐	Items I, L & M	Engine fluids, fuels, oil, grease, wash water
17	Will portable sanitary facilities (“Porta-potties”) be used on the site?	☐	☐	Items I, J	Sanitary waste
18	Are underlying soils potentially contaminated?	☐	☐	Item J	Contaminated soil
19	Will dust (i.e., from grading, driving on unpaved roads, etc.) or particulates (i.e., from sandblasting, concrete cutting, painting, etc.) be generated from this project?	☐	☐	Item N	Sediment, particulate construction materials, please specify:

TABLE 2 - Minimum Required Standard Construction Stormwater BMPs

Minimum Required BMPs	References		Check at least one BMP	If no BMP were selected, explain the rational
	CASQA BMP	Caltrans BMP		
Item A: General Erosion Control BMPs				
Scheduling/Phasing Construction	EC-1	SS-1	☐	
Minimize Slope Length and Gradient	-	-	☐	
Manage Soil Stockpiles	WM-3	WM-3	☐	
Item B: Physical Stabilization BMPs				
Erosion Control Blankets and Turf Reinforced Mats	EC-7	SS-7	☐	
Mulch and Bonded Fiber Matrix	EC-3, EC-5	SS-3	☐	
Soil Binders	EC-5	SS-5	☐	
Mulch	EC-6, EC-8, EC-14	SS-6, SS-8	☐	
Compost Blankets	EC-14	-	☐	
Soil Roughening	EC-15	-	☐	
Topsoil Reapplication	-	-	☐	
Permanent Stabilization (i.e., retaining walls, rock gabions, rock riprap, etc.)	-	-	☐	
Item C: Vegetation Stabilization BMPs				
Preserve Existing Vegetation	EC-2	SS-2	☐	
Establish Interim Vegetation	EC-4	SS-4	☐	
Establish Permanent Landscaping	-	-	☐	
Streambank Stabilization	EC-12	SS-12	☐	
Item D: Perimeter Control BMPs				
Silt Fencing	SE-1	SC-10	☐	
Gravel Bag Barriers	SE-6	SC-6	☐	
Fiber Rolls or Straw Wattles	SE-5	SC-5	☐	
Compost Socks and Berms	SE-13	-	☐	
Item E: Resource Protection BMPs				
Linear Protection	SE-1, SE-6, SE-5, SE-13	SC-10, SC-6, SC-5	☐	
Preserve Natural Hydraulic Features & Riparian Area Buffers	-	-	☐	
Demolition Adjacent to Water	NS-15	NS-15	☐	
Temporary Stream Crossing	NS-4	-	☐	
Item F: Sediment Capture BMPs				
Storm Drain Inlet Protection	SE-10	SC-10	☐	
Sediment Trap	EC-3	SC-3	☐	
Sedimentation Basin	SE-2	SC-2	☐	
Active Treatment System	SE-11	-	☐	
Item G: Off-Site Sediment Tracking BMPs				
Construction Entrance/Exit Stabilization	TC-1	TC-1	☐	
Construction Road Stabilization	TC-2	-	☐	
Tire Wash	TC-3	TC-3	☐	

TABLE 2 - Minimum Required Standard Construction Stormwater BMPs				
Minimum Required BMPs	References		Check at least one BMP	If no BMP were selected, explain the rational
	CASQA BMP	Caltrans BMP		
Street Sweeping and Vacuuming	SE-7	SC-7	☐	
Item H: Run-On and Site Storm Water Management BMPs				
Divert Run-on from Surrounding Areas	EC-9, SE-5, SE-6, SE-13	SC-5, SS-9, SC-6, NS-5	☐	
Check Dams	SE-4	SC-4	☐	
Slope Drains and/or Stabilized Drainage Swales	EC-9, EC-11	SS-9, SS-11	☐	
Outlet Protection	EC-10	SS-10	☐	
Item I: Spill Control BMPs				
Spill Prevention and Control	WM-4	WM-4	☐	
Reporting Significant Spills	-	-	☐	
Item J: Waste Management BMPs				
Solid Waste Management	WM-5	WM-5	☐	
Liquid Waste Management	WM-10	WM-10	☐	
Contaminated Soil Management	WM-7	WM-7	☐	
Sanitary Waste Management	WM-9	WM-9	☐	
Concrete Waste Management	WM-8	WM-8	☐	
Hazardous Waste Management	WM-6	WM-6	☐	
Stockpiled Waste Management	WM-3	WM-3	☐	
Item K: Material Storage and Handling BMPs				
Material Storage	WM-1	WM-1	☐	
Material Handling	WM-2	WM-2	☐	
Paving and Grinding Operations	NS-3	NS-3	☐	
Concrete Management	NS-12, NS-13, NS-16	NS-12, NS-14	☐	
Item L: Vehicle and Equipment Management BMPs				
Vehicle and Equipment Fueling	NS-9	NS-9	☐	
Vehicle and Equipment Maintenance	NS-10	NS-10	☐	
Item M: Non-Storm Water Management BMPs				
Illicit Connection/Discharge Control	NS-6	NS-6	☐	
Potable Water/Irrigation	NS-7	NS-7	☐	
Vehicle and Equipment/Cleaning	NS-8	NS-8	☐	
Water Conservation Practice	NS-1	NS-1	☐	
Dewatering Operations	NS-2	NS-2	☐	
Item N: Particulate and Dust Control BMPs				
Wind Erosion Control	WE-1	WE-1	☐	

Section 4: Develop a Construction BMP Site Map/Plan

A Site Map must be developed and included as Appendix A of this WPCP. The site map should be neat and legible. Several sheets may be used to illustrate the phasing of BMP implementation as construction progresses over time. When two or more sheets are used to illustrate the plan view, an index sheet is required. The Site Map must include all of the following, where applicable:

- Legend, north arrow, and scale of the drawing
- The site boundary and limits of construction;
- Key site features such as steep slopes, highly erodible soils, etc., including State and federal wetlands, if any;
- Storm water conveyance features including, but not limited to all streams and drainage ways delineated, all storm drain inlets and outlets, curb and gutter, swales and channels.
- Anticipated discharge points for construction wastewater (i.e. stormwater, groundwater, and construction wastewater such as dewatering byproducts);
- Drainage areas and direction of flow
- Location of nearby water bodies (including Clean Water Act Section 303(d) List of Impaired Segments in the site's vicinity)
- Location of entrance/exits to the project area
- Areas of soil disturbance and potential pollutant sources;
- Material, stockpile, and waste storage areas (e.g., trash, soil, fuel, construction materials);
- Vehicle and equipment fueling, wash and maintenance areas;
- Locations of portable sanitary facilities;
- Locations where underlying soil is potentially contaminated; and
- Locations of all BMP implementation areas (types of erosion and sediment controls, as well as dewatering and soil stabilization controls, where applicable).
- Location of building and activity areas (e.g., fueling islands, garages, waste container area, wash racks, hazardous material storage areas).

Section 5: CSWPCP Certification Statement

The property owner and contractor must sign the following certification before a Permit will be issued.

I have read and understand that the City of Chula Vista has adopted minimum requirements for managing urban runoff, including storm water from construction and land development activities. I certify that the BMPs selected on this form will be implemented to minimize the potentially negative impacts of this project's construction and land development activities on water quality. I further agree to install, monitor, maintain, or revise the selected BMPs to ensure their effectiveness.

I also understand that non-compliance with the City's Storm Water Standards may result in enforcement by the City, including fines, cease and desist orders, or other actions. I further understand that approval of this WPCP does not relieve me of my responsibility to comply with storm water regulations including the protection of adjacent properties from inundation as a result of my construction activities.

Contractor Name: _____

Contractor's Signature: _____ Date: _____

Property Owner's Name: _____

Property Owner's Signature: _____ Date: _____