



**STORMWATER POLLUTION PREVENTION AND STANDARD
URBAN STORMWATER MITIGATION
PLAN APPROVAL GUIDE**



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This guide serves as a condensed version of the City of Vernon Stormwater Development Construction manual and the Standard Urban Stormwater Mitigation Plan (**SUSMP**) Manual. A copy of both the Vernon Development Construction manual and the Vernon SUSMP manual can be obtained from Community Services.

PLAN AND SPECIFICATION REQUIREMENTS

A person proposing to construct a new facility, reconstruct to an existing facility, add to an existing facility, or develop a site shall submit plans and specifications addressing storm water pollution mitigation requirements along with a building/grading permit application. Plans and specifications for storm water pollution prevention requirements shall be reviewed and given written approval by the Environmental Health Department prior to issuance of the building/grading permit and commencement of work. Plan approval does not authorize the violation of any law, ordinance, or regulation, and final approval is subject to field inspection and evaluation.

Storm water plan review requirements for construction projects are comprised of 2 programs. These programs include:

The Developmental Construction Program- This program is designed to address storm water requirements for the construction phase of a project.

The Developmental Planning Program- This program is designed to address storm water requirements for the post-construction, or operational, phase of the project.

IMPORTANT

At least two Health Department inspections are required for completion. Provide the Health Department with at least 72 hours notice to schedule an on-site inspection:

1. Prior to installation of proprietary Best Management Practices (**BMPs**), and
2. Upon construction completion.

Note: Any mechanical equipment associated to the BMPs (such as sump pumps) will require a third inspection after installation to ensure proper operation.

PROJECT CATEGORIES SUBJECT TO STORMWATER REQUIREMENTS

(Projects may fall under both programs listed below)

A. Developmental Construction Program (2 levels)

1. Projects with construction sites less than 1 acre (less than 43,560 sq. ft.).
2. Projects with construction sites of 1 acre or more.

Project- Defined as all development, redevelopment, and land disturbing activities. The term is not limited to “project” as defined under the California Environmental Quality Act.

B. Developmental Planning Program

Projects of which include any of the following:

- 100,000 sq. ft. or more of impervious surface area (including parking areas) industrial/commercial development;

- Automotive service facilities [Standard Industrial Classification (**SIC**) 5013, 5014, 5541, 7532-7534 and 7536-7539);
- Retail gasoline outlets;
- Restaurants (SIC 5812);
- Parking lots 5,000 square feet or more of surface area or with 25 or more parking spaces;
- Redevelopment projects that result in the creation, addition or replacement of 5,000 square feet or more of impervious surface area on an already developed site; and
- All projects located directly adjacent to or discharging directly to the Los Angeles River.

GENERAL SUBMITTAL REQUIREMENTS (missing items may delay plan approval)

A. Development Construction Program

1. For projects with construction sites less than 1 acre (less than 43,560 sq. ft.). Submit scaled site plan describing all BMPs that will be implemented to control runoff and comply with the following;
 - a) Sediments generated on the project site shall be retained using adequate treatment control or structural BMPs.
 - b) Any treatment control or structural BMPs shall not retain water for more than 96 hours or otherwise shall not cause a vector breeding habitat.
 - c) Construction-related materials, wastes, spills, or residues shall be retained at the project site to avoid discharge to streets, drainage facilities, receiving waters, or adjacent properties by wind or runoff.
 - d) Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained at the project site; and
 - e) Erosion from slopes and channels shall be controlled by implementing an effective combination of BMPs (as approved in Regional Water Quality Control Board Resolution No. 99-03), such as the limiting of grading scheduled during the wet season; inspecting graded areas during rain events; planting and maintenance of vegetation on slopes; and covering erosion susceptible slopes.
2. For projects with construction sites 1 acre or more. Provide all of the requirements stated above plus the following;
 - a) Proof of a Waste Discharger Identification Number (**WDID**) from the State Water Resources Control Board for filing a Notice of Intent (**NOI**) for permit coverage under the General Construction Activities Stormwater Permit (**GIASP**); and
 - b) A Storm Water Pollution Prevention Plan (**SWPPP**). Specific plan requirements can be found in the current GCASP.

Construction activity subject to the GCASP include clearing, grading, disturbances to the ground such as stockpiling, or excavation that results in soil disturbances of at least one acre of total land area. Construction activity that results in soil disturbances of less than one acre is subject to the GCASP if the construction activity is part of a larger common plan of development that encompasses one or

more acres of soil disturbance or if there is significant water quality impairment resulting from the activity.

A copy of the GCASP and NOI can be downloaded from the State Water Resources Control Board website at:

http://www.swrcb.ca.gov/~rwqcb4/html/programs/stormwater/sw_construction.html

B. Development Planning Program

Projects that are required to develop and submit a Standard Urban Stormwater Mitigation Plans (**SUSMP**) include any of the following:

- 100,000 sq. ft. or more of impervious surface area (including parking areas) industrial/commercial development;
- Automotive service facilities [Standard Industrial Classification (**SIC**) 5013, 5014, 5541, 7532-7534 and 7536-7539];
- Retail gasoline outlets;
- Restaurants (SIC 5812);
- Parking lots 5,000 square feet or more of surface area or with 25 or more parking spaces;
- Redevelopment projects that result in the creation, addition or replacement of 5,000 square feet or more of impervious surface area on an already developed site; and
- All projects located directly adjacent to or discharging directly to the Los Angeles River.

SUSMP Requirements

1. Provide plot plan indicating all elevations and direction of designed rainfall flows for all areas.
 - a. Specify location of proposed BMPs on plans.
 - b. Specify on the plans for each drainage device, the total design flow, and the peak mitigation flow rate.
 - c. Specify on plans any locations of storm water contamination concerns. (i.e. staging or processing areas that will be exposed to rain)
 - d. Specify if any adjacent areas will drain to the new proposed areas or to the treatment control BMP(s).
2. Provide a list of possible storm water contaminants that will be part of the everyday operation of the development. (i.e. oils and greases for parking lot projects)
3. Provide design and performance specifications for all treatment control BMPs (including diagrams, installation & construction requirements, filter type if applicable, targeted constituents, volumetric capacity, treatment capacity, operation & maintenance requirements). See Appendix A for volume and flow rate calculations.

- a. Provide treatment control BMPs that will mitigate expected constituents.
 - b. Provide adequate size and/or number of Treatment Control BMPs to treat at least the first $\frac{3}{4}$ inch of any rain event.
 - c. Provide hydraulic calculations for determining size and number of Treatment Control BMPs.
 - d. Provide an inspection and maintenance log for each Treatment Control BMP.
4. Provide Treatment Control or Structural BMPs that are capable of eliminating all standing water within 96 hours or otherwise shall not cause a vector breeding habitat.
5. If project will include a new trash dumpster area provide location of proposed trash dumpster area that shall be protected from storm water run-on and run-off.
6. If project will include a new trash dumpster area provide trash container areas that shall be screened or walled to prevent off-site transport of trash.
7. Provide "No Dumping, Drains To Ocean" labels to all proposed catch basins that will discharge to the storm drain system. See attachment 1. (Stencils can be provided by Health Department upon request)
8. Provide BMP solution for treatment of roof runoff. Direct rooftop runoff to pervious areas such as grassed or vegetated open channels or areas where practical.
9. Provide recorded maintenance covenant on property deed for all structural and treatment control BMPs. See attachment 2.
10. Provide structural BMPs that allow easy access for inspection and maintenance.
11. If treatment control BMPs will installed underground with a solid cover provide permanent labeling to the cover to be easily located and identified.
12. For redevelopments that will result in alteration to more than 50% of impervious surfaces of a previously existing development, provide BMPs capable of mitigating the entire project. If alteration is less than 50%, only the alteration must be mitigated.
13. If project will include new outdoor storage and processing areas provide overhead cover and protection from run-on and run-off for proposed areas.
14. If project will include new storage and processing areas, provide secondary containment for proposed areas.
15. Specify locations of all outdoor hose bibs. Provide at least one of the following for each proposed hose bib:

- a. An adjacent drainage system to the sanitary sewer, or
- b. Inoperable valves without the use of special tools, or
- c. A sign posted adjacent to each hose bib advising that usage may cause storm water pollution.

16. Specify locations of any proposed industrial wastewater treatment units and clarifiers if applicable.

Attachment 1

