

A post-construction stormwater quality control plan is required for a proposed project applications that are proposing:

single family residential of 20 acres or more;
multifamily residential of 1 acre or more;
commercial or industrial development of 1 acre or more; and/or
any project with parking lots cumulatively greater than or equal to 5,000 s.f. or 25 spaces.

Minimum Post-Construction Stormwater Quality Control Plan elements (using the Stormwater Quality Design Manual for Sacramento Region [Design Manual]) are:

- a. Preliminary Stormwater Quality Compliance Form (Appendix A, Design Manual).
- b. Project Overview and Stormwater Quality Narrative
- c. Description and site plans/drawings (full size 24"X36") of proposed source and treatment controls to be employed with locations, type of facilities and size of facilities. See Submittal Requirements (Appendix B, Design Manual).
- d. Identification of necessary land to be dedicated to control facilities.
- e. Description of proposed maintenance resources to ensure adequate maintenance of controls in perpetuity.

**Stormwater Quality Standards for Development Projects
Selection Matrix for Priority Project Categories**

For Agencies in Sacramento County: Effective May 18, 2006

Priority Project Category	Residential			Commercial/Industrial						Hillside Developments ≥ 25% slope	Parking lots (e) ≥ 5,000 sf or 25 spaces	Streets/Roads (d) impervious area ≥ 5 acre
	Single Family Residential (a) ≥ 10 lots, < 20 acres	Multi-family Residential ≥ 20 acres	Commercial Developments impervious area ≥ 1 acre	Auto Repair Shops impervious area ≥ 1 acre	Retail Gasoline Outlets impervious area ≥ 1 acre	Restaurants impervious area ≥ 1 acre	Industrial Development (b) impervious area ≥ 1 acre					
Source Controls	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Storm Drain Message and Signage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Fueling Areas	NA	NA	NA	✓	✓	✓	✓	✓	(e)	NA	NA	
Loading/Unloading Areas	NA	NA	NA	✓	✓	✓	✓	✓	(e)	NA	NA	
Outdoor Storage Areas	NA	NA	NA	✓	✓	✓	✓	✓	(e)	NA	NA	
Outdoor Work Areas	NA	NA	NA	✓	✓	✓	✓	✓	(e)	NA	NA	
Vehicle/Equipment Wash Areas	NA	NA	✓	✓	✓	✓	✓	✓	(e)	NA	NA	
Waste Management Areas	NA	NA	✓	✓	✓	✓	✓	✓	(e)	✓	NA	
Runoff Reduction Measures	(f)	•	•	•	•	•	•	•	•	•	•	
Alternative Driveway Design	•	•	•	NA	NA	NA	NA	NA	NA	NA	NA	
Disconnected Roof Drains	•	•	•	•	•	•	•	•	•	NA	NA	
Divided Sidewalks	•	•	•	•	•	•	•	•	•	•	•	
Ecoroof	NA	NA	•	•	•	•	•	•	•	NA	NA	
Interceptor Trees	•	•	•	•	•	•	•	•	•	•	•	
Porous Pavement	NA	NA	•	•	NA	NA	•	•	•	•	NA	
Treatment Controls (g), (h)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Porous Pavement Detention		NA	•	•	NA	NA	•	•	•	•	NA	
Stormwater Planter (Flow-through)		•	•	•	•	•	•	•	•	•	•	
Stormwater Planter (Infiltration)		•	•	•	NA	NA	•	•	•	•	•	
Constructed Wetland Basin		•	•	•	NA	NA	•	•	•	•	•	
Detention Basin, Combination		•	•	•	•	•	•	•	•	•	•	
Detention Basin, Dry		•	•	•	•	•	•	•	•	•	•	
Detention Basin, Wet		•	•	•	•	•	•	•	•	•	•	
Infiltration Basin		•	•	•	NA	NA	•	•	•	•	•	
Infiltration Trench		•	•	•	NA	NA	•	•	•	•	•	
Media Filter (Austin Sand Filter)		•	•	•	•	•	•	•	•	•	•	
Multi-functional Drainage Corridor		•	•	•	NA	NA	•	•	•	•	•	
Vegetated Filter Strip		•	•	•	NA	NA	•	•	•	•	•	
Vegetated Swale		•	•	•	•	•	•	•	•	•	•	
Proprietary Devices (i)		(h)	•	•	•	•	•	•	•	•	•	

✓ Required if applicable to project

• Acceptable

NA Not applicable or allowed

(a) Single family residential development of one acre or more with a density of 15 du/net acre may be required to incorporate treatment controls starting in Fall 2006.

(b) May require coverage under State's NPDES General Permit for Stormwater Discharges Associated with Industrial Activity.

(c) Stand-alone parking lots only. Parking lots associated with buildings/facilities need to meet requirements of associated land use (commercial, industrial, etc.)

(d) Public road capital projects and expansions that are not associated with new residential, commercial and industrial developments.

(e) Depends on type of land use (commercial, residential, etc.)

(f) Runoff reduction measures will be required starting in Fall 2006.

(g) If the project drains to a regional treatment facility (e.g., detention basin), additional treatment controls may not be required. Contact permitting agency for verification.

(h) Some treatment devices may not be allowed in the public right-of-way or in areas where the local agency would be required to conduct maintenance. Contact the local permitting agency for requirements and restrictions.

(i) Contact the local permitting agency for a list of accepted devices.

Source Control Fact Sheets

This chapter includes fact sheets for the seven source control measures listed in Table 4-1. Each fact sheet describes the purpose of the control measure, applicability, design requirements, and any operation and maintenance issues that may affect its design.

Table 4-1. Source Control Measures Required By Project Category

This table is for general reference only. Refer to the fact sheets later in this chapter for details.

Source Control Measure	Project Category										
	SINGLE FAMILY RESIDENTIAL	MULTI-FAMILY RESIDENTIAL	COMMERCIAL/LIGHT INDUSTRIAL	AUTO REPAIR SHOPS	RETAIL GASOLINE OUTLETS	RESTAURANT	HILLSIDE DEVELOPMENTS	PARKING LOTS	STREETS/ROADS	HEAVY INDUSTRIAL	
Storm Drain Markings and Signs	•	•	•	•	•	•	•	•	•	•	
Fueling Areas			•	•	•	•	(a)			•	
Loading Areas			•	•	•	•	(a)			•	
Outdoor Storage Areas			•	•	•	•	(a)			•	
Outdoor Work Areas			•	•	•	•	(a)			•	
Vehicle/ Equipment Wash Areas		•	•	•	•	•	(a)			•	
Waste Management Areas		•	•	•	•	•	(a)	•		•	

(a) depends on planned site operations/activities

References

The following general references were used to develop this chapter and the fact sheets found at the end of this chapter.

- Sacramento Guidance Manual for On-Site Stormwater Quality Control Measures, January 2000
- California Stormwater Quality Association Handbook, January 2003
- Stormwater Management Manual for Western Washington, Volume 1, February 2005
- City of Portland Stormwater Management Manual, September 2004
- The City of Sunnyvale Interim Stormwater Quality BMP Guidance Manual—Stormwater Plan Preparation for New and Redevelopment Projects, October 2003
- Sacramento Stormwater Management Program. 2001. BMPs for Industrial Stormwater Pollution Control. Available from <http://www.emd.saccounty.net/Documents>.

**Sacramento County Supplemental Application:
Preliminary Stormwater Quality Compliance Form**

1) Project Information

Applicant Name: _____ Phone Number: _____
Address: _____
Project Contact: _____ Phone Number: _____
Project name: _____ Assessor Parcel Number(s): _____
Site Address: _____

Project Category (check all that apply): **Refer to Design Manual Table 3-2 for Priority Project Categories**

- | | | |
|--|---|---|
| <input type="checkbox"/> Residential (Single Family) | <input type="checkbox"/> Retail Gasoline Outlet | <input type="checkbox"/> Hillside Development |
| <input type="checkbox"/> Residential (Multi-Family) | <input type="checkbox"/> Restaurant | <input type="checkbox"/> Parking Lot |
| <input type="checkbox"/> Commercial Development | <input type="checkbox"/> Industrial Development | |
| <input type="checkbox"/> Automotive Repair Shop | <input type="checkbox"/> Street/Road | |

Project Gross Acres: _____ Project Net Acres: _____
Existing Impervious Surface Area: _____ Proposed Impervious Surface Area: _____
Watershed or receiving water: _____

2) Source Controls (check source control measure or applicable pollutant sources, check Design Manual Chapter 4 for more information on source control measures)

Refer to Design Manual Table 3-2 for Requirements

- | | |
|--|---|
| <input type="checkbox"/> Storm Drain Message and Signage | <input type="checkbox"/> Outdoor Work Areas |
| <input type="checkbox"/> Fueling Areas | <input type="checkbox"/> Vehicle/Equipment Wash Areas |
| <input type="checkbox"/> Loading/Unloading Areas | <input type="checkbox"/> Waste Management Areas |
| <input type="checkbox"/> Outdoor Storage Areas | <input type="checkbox"/> Other Describe _____ |

3) Runoff Reduction Measures

Refer to Design Manual Table 3-2 for Requirements

Will runoff reduction measures be utilized for this project? Yes No
If yes, check selected runoff reduction measures below; attach completed Runoff Reduction worksheets (Design Manual Appendix D).

- Alternative Driveway Design
 Disconnected Roof Drains
 Disconnected Pavement
 Green Roof
 Interceptor Trees
 Porous Pavement
 Other Describe _____

4) Stormwater Quality Treatment Requirements

Refer to Design Manual Table 3-2 for Requirements

Is treatment required? Yes No If no, form is complete with signature. If yes, complete this section.
Indicate No. of drainage sheds for the site: _____

Early consideration of stormwater quality during site planning may reduce the overall cost of treatment controls. Runoff reduction methods and innovative design options can reduce the size of treatment options. In addition, early consideration allows for non-proprietary treatment options that can significantly reduce construction and maintenance costs.

5) Attach Project Overview and Stormwater Quality Narrative

Include Project description indicating nature of project (e.g. is it a newly developing site, replacement of previously developed site, is it an infill site). Describe activities planned for site that may impact water quality such as a retail gasoline outlet as part of a development. Describe selected treatment options. Developers should keep in mind that proprietary devices require extensive maintenance by the owners of the property and should consider alternative treatment measures first. Project description should be no more than 1 page relating to stormwater quality.

6) Attach Site Plans* and/or Drawings Showing:

- Existing and natural hydrologic features
- Existing and proposed drainage system
- Proposed drainage sheds including (Refer to item #4, if treatment is required)
 - o Name of shed
 - o Existing amount of pervious and impervious areas
 - o Proposed amount of pervious and impervious areas
 - o Proposed treatment option(s) for each shed
- Pollutant source areas including loading docks, food service areas, refuse areas, outdoor processes and storage, vehicle cleaning, repair or maintenance, fuel dispensing, equipment washing, etc.
- Proposed design features to minimize impervious areas, applicable runoff reduction techniques, innovative design, and all treatment options selected

**Note: Plans will not be checked for adequacy of treatment options until design review of drainage system. For information related to correct sizing and other requirements refer to Stormwater Quality Design Manual for Sacramento and South Placer Regions.*

7) List Sheds and Selected Stormwater Quality Treatment Controls (if treatment is required)

Shed Name	Total Shed Area		Flow (cfs) or Volume (ft ³)	Treatment Controls Selected
	Impervious Area	Pervious Area		

Attach more sheets as necessary

7) Signature

Print Name: _____ Indicate Owner or Title _____

Signature: _____ Date: _____