

County of Ventura

Stormwater Quality Urban Impact Mitigation Plan (SQUIMP) Worksheet

This SQUIMP Worksheet must be submitted with all SQUIMP-conditioned new development and/or redevelopment projects. In addition to this worksheet, all treatment devices shall also be clearly identified on the project specific site plan, grading plan, and/or storm drain plan. Also, any applicable stormwater quality design flow or volume calculations for treatment device(s) shall be provided using applicable "Design Procedure Form" for the project's treatment device from Appendix G of the Technical Guidance Manual. Completed copy of the applicable Design Procedure Form shall be included in the Drainage Study or Hydrology Report.

Prior to construction, the following documents must be completed.

- Ventura County Covenant for Maintenance of Stormwater Treatment Device Form (available at RMA Planning Division website)
- Maintenance Plan (See Appendix D of Tech. Manual for guidance)

For assistance in completing this document refer to the Ventura Countywide Technical Guidance Manual for Stormwater Quality Measures (Tech. Manual) available at www.vcstormwater.org or call (805) 650-4064 or (805) 645-1382.

Project Name & #:	Owner Name: _____ Developer Name: _____
Project Location: _____	
Project Description: _____	
SQUIMP prepared by: Name: _____	Date Prepared: _____
Phone #: _____ Email: _____	
SQUIMP Category (Check all that apply)	
<input type="checkbox"/> Commercial Development (≥100,000 SF)	
<input type="checkbox"/> Automotive Repair Shop	
<input type="checkbox"/> Retail Gasoline Outlet	
<input type="checkbox"/> Home Subdivision(≥10 units)	
<input type="checkbox"/> Project located within or directly adjacent to an ESA (See Appendix I of Tech. Manual)	
<input type="checkbox"/> Redevelopment project that results in the creation or addition of 5,000 square feet of more of impervious surfaces. If the creation or addition of impervious surfaces is 50% or more of the existing impervious surface area, then stormwater runoff from the entire area (existing and additions) must be considered for purpose of stormwater mitigation. If the creation or addition is less than 50% of the existing impervious area, then stormwater runoff from only the addition area needs mitigation.	
<input type="checkbox"/> Parking Lot (≥5,000 SF or 25 spaces)	
<input type="checkbox"/> Hillside Single Family Residence	
<input type="checkbox"/> Restaurant	

General Site Design Control Measures (Refer to Table 2-3 of Tech. Manual)

Check below the general site design control measures to be applied to this project:

- Conserve Natural Areas (G-1)
- Control Peak Runoff Rates (G-3)
- Minimize Effective Imperviousness (Turf Buffer of Grass-lined channel, G-5)
- Protect Slopes & Channels (G-2)
- Minimize Impervious Areas (G-4)

Site-Specific Source Control Measures (Refer to Table 2-3 of Tech. Manual)

Check below the site-specific source control measures to be applied to this project:

- Storm Drain Message & Signage (S-1)
- Trash Storage Area Design(S-3)
- Repair/Maint. Bay Design (S-5)
- Fueling Area Design (S-7)
- Outdoor Storage Area Design (S-2)
- Unloading Dock Area Design (S-4)
- Vehicle/Equip./Accessory Wash Area Design (S-6)

Maintenance Agreement & Plan and Treatment Device Installation Certification

1. Complete and submit Maintenance Agreement on County-approved form (call (805) 662-6737 or (805) 645-1382 for agreement template or download at www.)
2. Provide a separate Maintenance Plan (minimum plan requirements include: operation plan & schedule, maint. and cleaning activities & schedule; Equipment & resource requirements necessary to operate & maintain device; responsible party for operation & maintenance. See Appendix D of Technical Manual for plan guidance.)
3. Before final acceptance of project improvements, the Developer/Engineer will also be required to certify that the device as shown on the approved plan has been constructed and installed in accordance with the approved SQUIMP.

Stormwater Quality Design Flow or Volume Calculation for Treatment Device

- Completed copy of the applicable "Design Procedure Form" for the project's treatment device from Appendix G of the Technical Guidance Manual is included in the project specific Drainage Study Report or Hydrology Report.

SQDF= 10% of the peak rate of runoff flow from the 50 yr. storm.

SQDV= Treatment of 80% of average annual runoff volume from the site.

Expected Pollutants of Concern (POCs) (Refer to Table 2-1 in Tech. Manual)

Check all pollutants likely to be present in post-construction stormwater runoff from this project:

- Sediment
- Nutrients (e.g. Nitrogen, Phosphorous, Ammonia)
- Metals (e.g. Copper, Lead)
- Bacteria
- Trash & Debris
- Oxygen Demand (e.g. Nutrients, Suspended Solids)
- Toxic Organics (e.g. PCBs, PAHs)
- Other: _____

Does the above treatment device chosen for this project remove the pollutants of concern checked above?

If not, indicate which pollutants will not be removed by this device and how removal will be obtained (secondary treatment device):

Non-Proprietary Treatment Device Selected from Ventura County Technical Guidance Manual for Stormwater Quality Mitigation (See Section 5 of the Tech. Manual).

Indicate below the device selected from the recommended devices listed in the Tech. Manual (T-1 through T-11) to treat the post-construction stormwater runoff from this project.

Type of Device (T-1 through T-11): _____

Proprietary Device – Alternative or proprietary treatment control devices may be considered for approval after the standard treatment control measures in the Tech. Manual have been rejected and if the device is suitable for the specific land use and pollutant to be removed. If device is not one of the devices listed in the Tech. Manual (T-1 through T-11), complete the info. below:

1. **Device:** _____ **Model #:** _____
Manufacturer: _____

2. Provide **reasoning for rejection** of the nonproprietary treatment devices (T-1 through T-11):
(For assistance refer to p. 5-120 of the Tech. Manual)

3. Provide treatment efficiency levels of proprietary device in removing the pollutants of concern (Provide info. similar to Table 2-1 of Tech. Manual, which shows removal efficiency levels of T-1 through T-11 devices; attach separately if necessary).

SQUIMP Certifications

Regulatory Requirements:

The National Pollutant Discharge Elimination System (NPDES) is a section of the Clean Water Act that applies to protection of receiving waters. This project is subject to the requirements of the California General Permit for Stormwater Discharges Associated with Construction Activity (Permit No. CAS0000002) and the Ventura Countywide Stormwater Quality Urban Impact Mitigation Plan (SQUIMP) as required under the Ventura County Stormwater Municipal NPDES Permit No. CAS004002. Part of the NPDES program is the implementation and maintenance of post-construction best management practices (BMPs). This report describes the post-construction BMPs to be implemented as part of this project:

Civil Engineer

As the Civil Engineer of record, I have selected appropriate BMPs to effectively minimize the negative impacts of this project's ongoing activities on stormwater quality. The property owner is aware that the selected BMPs must be installed, monitored, and maintained to ensure their effectiveness. I hereby certify that the SQUIMP was prepared by me, or under my supervision.

Name: _____ Title: _____

Signature: _____ Date: _____

Owner/Developer

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate and complete. I am aware that submitting false and/or inaccurate information, failing to update the SQUIMP to reflect current conditions, or failing to properly and/or adequately implement the SQUIMP may result in revocation of permits or other sanctions provided by law.

Name: _____ Title: _____

Signature: _____ Date: _____

Acceptance or approval of this Stormwater Quality Urban Impact Mitigation Plan in no way precludes the authority of the County to require modification to the plan as conditions warrant, nor does the County take responsibility for performance of the BMPs provided for in the plan.