

"SQUIMP" Summary
Ventura County NPDES Municipal Storm Water Permit
Board Order No. 00-108 Permit No. CAS004002

The Storm Water Quality Urban Impact Mitigation Plan (SQUIMP) was developed as part of the municipal storm water program to address storm water pollution from new development and redevelopment by the private sector.

New development means land disturbing activities; structural development, including construction or installation of a building or structure, creation of impervious surfaces; and land subdivision.

Redevelopment means, but is not limited to, the expansion of a building footprint or addition or replacement of a structure; structural development including an increase in gross floor area and/or exterior construction or remodeling; replacement of impervious surface that is not part of routine maintenance activity; land disturbing activities related with structural or impervious surfaces. Redevelopment that results in the creation or addition of 5,000 square feet or more of impervious surfaces is subject to the requirements for storm water mitigation. If the creation or addition of impervious surfaces is fifty percent or more of the existing impervious surface area, then storm water runoff from the entire area (existing and additions) must be considered for purposes of storm water mitigation. If the creation or additions is less than fifty percent of the existing impervious area, then the storm water runoff from only the addition area needs mitigation.

8 Development Categories:

- ◆ **Single-Family Hillside Residences**
 - ◆ **100,000 Square Foot Commercial Developments**
 - ◆ **Automotive Repair Shops**
 - ◆ **Retail Gasoline Outlets**
 - ◆ **Restaurants**
 - ◆ **Home Subdivisions with 10 or more housing units.**
 - ◆ **Location within or directly adjacent to or discharging directly to an environmentally sensitive area.**
 - ◆ **Parking Lots with 5,000 square foot or more impervious parking or access surfaces or with 25 or more parking spaces and potentially exposed to storm water runoff.**
1. Control post-development peak storm water runoff discharge rates to maintain downstream erosion and protect stream habitat.
 2. Conserve natural areas.
 3. Minimize storm water pollutants of concern.
 4. Protect slopes and channels.
 5. Provide storm drain system stenciling and signage.
 6. Properly design outdoor material storage areas.
 7. Properly design trash storage areas.
 8. Provide proof of ongoing BMP maintenance.

9. Structural or treatment control BMPs shall meet design standards.
 - Volume based post-construction structural or treatment control BMPs shall be designed to mitigate (infiltrate or treat) storm water runoff from either:
 - a. The volume of annual runoff to achieve 80% volume capture (Ventura County Land Development Guidelines),
 - b. the 85th percentile 24-hour runoff event
 - c. the volume of runoff produced from a .75" storm event; or
 - d. the volume of runoff produced by a rainfall criterion that achieves the same reduction in pollutant loads as b.
 - Flow based post-construction structural or treatment control BMPs shall be sized to handle the flow generated from either:
 - a. 10% of the 50-year design flow rate
 - b. a flow that will result in treatment of the same portion of runoff as treated using volumetric standards above
 - c. a rain event equal to at least .2 inches per hour intensity or
 - d. a rain event equal to at least two times the 85th percentile hourly rainfall intensity for Ventura County

Additional Requirements applicable to specific Development Categories:

◆ 100,000 square foot Commercial Developments

10. Properly design loading/unloading dock areas
11. Properly design repair/maintenance bays.
12. Properly design vehicle/equipment wash areas.

◆ Restaurants

10. Properly design equipment/accessory wash areas.

◆ Retail Gasoline Outlets

10. Properly design fueling area

◆ Automotive Repair Shops

10. Properly design fueling area.
11. Properly design repair/maintenance bays
12. Properly design vehicle/equipment wash areas.
13. Properly design loading/unloading dock areas.

◆ Parking Lots with 5,000 square foot or 25 or more spaces.

10. Properly design parking area
11. Properly design to limit oil contamination and perform maintenance.