



**Stormwater Quality Urban Impact Mitigation Plan
(SQUIMP)**

**Los Angeles Regional Water Quality Control Board
(LA RWQCB)**



Overview & Connection

- ▶ LA RWQCB - Region 4
- ▶ National Pollutant Discharge Elimination System (NPDES)
- ▶ Municipal Separate Storm Sewer Systems (MS4s)
- ▶ Stormwater Quality Urban Impact Mitigation Plan (SQUIMP)
- ▶ Future Issues



LA RWQCB - Region 4

- The LA Regional Board is 1 of 9 Regional Boards statewide (Region 4). The Board is part of the California Environmental Protection Agency (CAL EPA), along with the Air Resources Board, Department of Pesticide Regulation, Department of Toxic Substance Control, California Integrated Waste Management Board, and Office of Environmental Health Hazard Assessment.



LA RWQCB - Region 4

- The LA Board protects ground and surface water quality in the coastal watersheds of Los Angeles and Ventura Counties, the Channel Islands and very small portions of Kern and Santa Barbara Counties.



NPDES

- NPDES is a national program under § 402 of the Clean Water Act (CWA) for regulation of discharges of pollutants from point sources to waters of the United States (US).
- The LA Board has been authorized by the United States Environmental Protection Agency (US EPA) to implement the NPDES Stormwater Program.



NPDES

- Stormwater discharges are generated by runoff from land and impervious areas that often contain pollutants in quantities that could adversely affect water quality. Most stormwater discharges are considered point sources and require coverage by an NPDES permit.
- Discharges are illegal unless authorized by an NPDES permit.



MS4

- Under the NPDES Stormwater Program, operators of MS4s- a conveyance or system of conveyances (including roads w/drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains) owned and operated by a State, city, county, town or other public body, designed or used for collecting or conveying stormwater and discharges to waters of the US, require authorization to discharge pollutants under an NPDES permit.



MS4

- On July 27, 2000, the LA Board issued a Municipal NPDES permit (MS4 permit) to the County of Ventura, the Ventura County Flood Control District and the 10 incorporated cities within Ventura County (Discharger).
- The Discharger discharges or contributes to discharges of stormwater and urban runoff from MS4s into waters within the County.



MS4

- The Discharger/MS4 operators are required to develop a Stormwater Management Program/Plan designed to prevent pollutants from being washed by stormwater runoff or from being dumped directly into the MS4, then discharged from the MS4 into local waterbodies.
- The Discharger/MS4 operators are required to submit comprehensive permit applications and are issued individual NPDES permits.



SQUIMP

- Pursuant to provisions within the NPDES permit, the Discharger/MS4 operators are required to implement SQUIMP.
- SQUIMP is designed to ensure that stormwater pollution is addressed in one of the most effective ways possible, i.e., by incorporating best management practices (BMPs) in the design phase of new development and redevelopment.



SQUIMP

- It provides for numerical design standards to ensure that stormwater runoff is managed for water quality and quantity concerns.
- The purpose of the SQUIMP requirements is to minimize, to the maximum extent practicable, the discharge of pollutants of concern (POCs) from new and redevelopment.



Future Issues

- TMDLs
- Peak Flow and Duration
- Reduce Impervious Cover
- Inspection of Post Construction BMPs