

Trash TMDL

Nonpoint Source Trash Management

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Trash TMDL Locations



Water Quality Objectives

Basin Plan

- *“Waters shall not contain floating materials including solids, liquids, foams, and scum in concentrations that cause nuisance or adversely affect beneficial uses.”*
- *“Waters shall not contain suspended or settleable material in concentrations that cause nuisance or adversely affect beneficial uses.”*

Numeric Target for Trash

- Numeric Target = Zero Trash
- Point Sources
 - No Trash Discharge
- Nonpoint Sources
 - No trash immediately after each cleanup event
 - Trash does not accumulate in deleterious amounts between cleanups

Compliance Strategy – Trash Point Sources

- Full capture systems
 - Trap all particles greater than 5mm
 - Treat not less than the peak flow rate resulting from a 1-yr, 1-hr storm
- Structural or non-structural Best Management Practices (BMPs)

Full Capture Systems



Nonpoint Source Areas

Areas not covered by the MS4, and sources of fugitive trash:

- Open Space and Parks
 - Ex: Cal Dept of Rec and Parks, NPS,
- Beaches and Harbors
 - Ex: Dept of Beaches and Harbors, Cities
- Agricultural areas
- Private Property owners along waterbodies

Load Allocations

- Final LA = Zero trash
 - Definition: No trash on the shoreline or beaches, or in harbors adjacent to waterbodies, immediately following each assessment and collection event consistent with the established MFAC/BMP program
- Baseline LA: 640 gallons per square mile
 - Based on a small scale study
 - May be modified during reopen of TMDLs

Compliance Strategy - Trash Nonpoint Sources

- Minimum Frequency of Assessment and Collection with BMPs (MFAC/BMP) Program
 - Requirement of regular cleanup
 - Assessment
 - Trash Monitoring and Reporting Plan (TMRP)
 - Executive Officer to revise frequency based on effectiveness of MFAC/BMP

Critical Conditions

- Storm
 - Proposed by responsible municipalities for approval
- High Wind Advisory
- Visitations
 - Use of the parks
 - Long weekends
 - Special events

Locations and Frequencies

- Inspections
- Some Specified in the BPA
- Additional locations proposed in TMRP by RPs
- Frequency
 - Current cleanup schedules
 - Trash impairment situation
 - Critical conditions

Compliance Determination

- Trash monitoring and reporting plan (TMRP) submittal
- No Trash after each cleanup event
- Accumulated trash - iterative approach
 - 1. Less than baseline LA
 - 2. Trash quantity in a decreasing trend
 - 3. Otherwise
 - Increase frequency
 - Impose additional BMPs
- Annual report

Compliance Requirements

Beaches and Harbors

- Daily Cleanup
 - Not accounting trash collected each day
- Benchmark
 - Based on Coastal Cleanup Day data
 - Implement additional BMPs

Implementation and Monitoring

- Point Sources
 - MS-4 Stormwater Permits
 - Achieve Zero Trash in 8 years
- Nonpoint Sources
 - Conditional Waiver
 - Achieve Zero Trash in 5 years
- Other Orders for PS/NPS
 - 13267 Orders
 - CAO
- Monitoring – Annual TMRP Report

Questions?

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