Amendments to Statewide Water Quality Control Plans to Control for Trash

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California Water Quality Monitoring Council
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Trash

- Injures wildlife through ingestion and entanglement.
- Disperses invasive species.
- Endangers public health.
- Causes damage to shipping vessels.
- Concentrates toxic pollutants.
- Decreases aesthetics.
Sources of Trash

- Littering
- Dumping
- Vehicles
- Inadequate waste management containers
- Transport through storm water to surface waters
Current Regulations

- Trash pollution is a pervasive issue impairing the beneficial uses of California’s surface waters.
- No statewide water quality objective and consistency for “trash”.
- 73 section 303(d) listings and 16 Total Maximum Daily Loads (TMDL) approved.
  - e.g. Los Angeles River Watershed
Proposed Trash Amendments

- Applicability
- Water Quality Objective
- Prohibition of Discharge
- Implementation Provisions
- Time Schedule
- Time Extension (proposed for Board consideration)
- Monitoring and Reporting

California Coastal Commission
2013 Coastal Art & Poetry Contest
Leo Yang
9th Grade

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Applicability

All Surface Waters

- Exception for those waters within the jurisdiction of the Los Angeles Water Board with trash or debris TMDLs

Trash Amendments

- Industrial General Permit (IGP)
- Construction General Permit (CGP)
- Municipal Separate Storm Sewer Systems (MS4s) Phase I and II
- Department of Transportation (Caltrans)
- Waste Discharge Requirements (WDR) and Waivers of WDRs
Narrative Water Quality Objective

Trash shall not accumulate in surface waters, along shorelines or adjacent areas in amounts that adversely affect beneficial uses or cause nuisance.
Prohibition of Discharge

- Trash to surface waters of the State.
  - Requirements present in NDPES permits, WDRs, and Waivers of WDRs.
- Preproduction plastics to surface waters of the State.
Trash Control Mechanisms

- Treatment Controls
- Institutional Source Controls
- Regulatory Source Controls
- Multiple Benefit Projects

Caltrans - Don’t Trash California
Connector Pipe Screen
Vortex Separator System
www.cdstech.com
Retractable Inlet Screens
City of Los Angeles Stormwater Program
Street Sweeping Center for Watershed Protection
Cut Off the Source to the Sea

- Permitted Storm Water Dischargers.
- Focus trash controls to locations with high trash generation rates.
  - Priority Land Uses – For MS4 Phase I and Phase II
  - Significant Trash Generating Areas – For Caltrans
- Dual alternative compliance approach or “Tracks”.
Implementation Provisions
MS4 Phase I and Phase II

- **Track 1:** Install, operate and maintain full capture systems in storm drains that capture runoff from one or more of the priority land uses.

Or

- **Track 2:** Implement a plan with any combination of treatment controls, institutional controls, and/or multi-benefit projects within the jurisdiction of the MS4 permittee with same performance results of Track 1.
Implementation Provisions
Caltrans

- Implement a plan in the significant trash generating areas using a combination of full capture systems, institutional controls, and/or multi-benefit projects.
- Coordinate with neighboring MS4 permittees.
Implementation Provisions
IGP and CGP

• Eliminate all trash from storm water. If deemed unable, then:

• **Track 1:** Install, operate and maintain full capture systems all storm drains that capture runoff from the facility or site.

Or

• **Track 2:** Implement a plan with any combination of treatment controls, institutional controls, and/or multi-benefit projects for the entire facility or site with same performance results of Track 1.
Time Schedule

MS4 Phase I, MS4 Phase II, and Caltrans
- Compliance: 10 years of the effective date of the first implementing permit, but no later than 15 years of Trash Amendments.

IGP and CGP
- Compliance: Deadlines specified in the first implementing permit.
Time Extension
(Board Consideration)

- Up to 3 years time extension for regulatory sources controls.
- Each regulatory source control is eligible for up to 1 years time extension.
Monitoring and Reporting

- **MS4 Track 1**: Reporting to demonstrate installation, operation, and maintenance of full capture systems.
- **MS4 Track 2 and Caltrans**: Develop and implement a set of monitoring objectives.
  - Question based to allow for tailored programs.
- **IGP and CGP**: Report control measures.
Development Timeline

CEQA Scoping Meeting
October 2010

Focused Stakeholder Meetings
Fourteen Meetings
April – May 2013

Public Advisory Group
Six Meetings
2011-2013

Public Workshop
July 16, 2014

Released Draft Staff Report and proposed Trash Amendments
June 10, 2014

Public Hearing and Close of Comment Period (76 comments)
August 5, 2014
Next Steps

Respond to Comments and Release the Staff Report and Proposed Trash Amendments
Fall 2014

Adoption Hearing
Fall 2014

• Office of Administrative Law (OAL)
• U.S. EPA
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