

# IMPLEMENTATION OF STATEWIDE TRASH PROVISIONS

## MONTEREY BAY NATIONAL MARINE SANCUARY STAKEHOLDER ADVISORY COMMITTEE

**KAREN MOGUS  
DEPUTY DIRECTOR OF WATER QUALITY  
STATE WATER RESOURCES CONTROL BOARD**

**FEBRUARY 21, 2020**





# WATER BOARDS HISTORY ADDRESSING TRASH

## Los Angeles Regional Water Board

- **Since early 2000's**: Adopted Trash Total Maximum Daily Loads (TMDLs) for 15 watersheds
  - TMDL requirement to capture particles 5mm or greater generated from 1-year, 1-hour storm events
- **Since 2006**: Implements Trash TMDL requirements in municipal stormwater permits

# WATER BOARDS HISTORY ADDRESSING TRASH



Photo: Lake Merritt Institute Volunteer Cleanup

## San Francisco Bay Regional Water Board

- **2002 - 2007**: Collected data on trash impairments
- **2008**: Listed 27 trash-impaired water bodies on Clean Water Act section 303(d) list
- **2009**: Adopted regional municipal stormwater permit
  - Requires 70 municipalities and 6 flood control districts to comply with:
    - Trash reduction targets
    - Capture of particles 5mm or greater generated from 1-year, 1-hour storm events

# STATEWIDE TRASH PROVISIONS

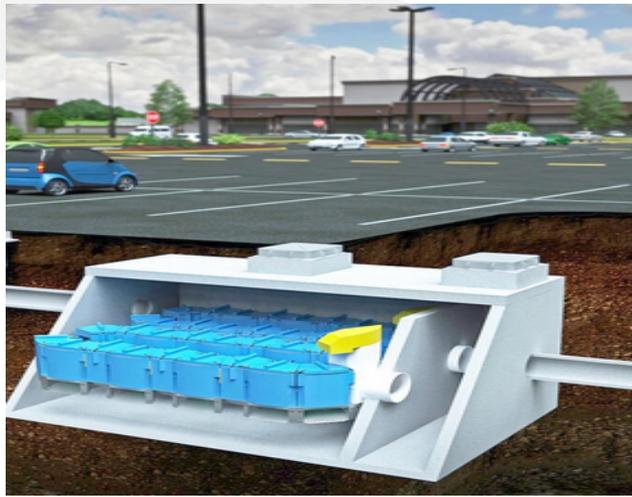
---

## State Water Resources Control Board

**2015**: Adopted Statewide Trash Provisions that:

- Implement a statewide Trash prohibition
- Are applicable to all inland surface waters and ocean
- Take the place of future trash TMDLs
- Provide regulatory consistency among the nine Regional Water Boards
- Provide compliance options for stormwater dischargers





Full capture device

# STATEWIDE TRASH PROVISIONS



Bioretention control measure

Require dischargers to assess priority land uses, then:

- Prioritize trash reduction in high trash-generating priority land uses
- Provide Two Methods of Compliance:

*Track 1* – 100 percent installation of full capture devices for storm drains capturing runoff from priority land uses

*Track 2* – Installation of combination of controls that reduce trash equivalent to Track 1 implementation

# WHAT ARE PRIORITY LAND USES?

- High density residential areas with 10-or-more dwelling units per acre
- Industrial land uses
- Commercial land uses
- Mixed urban land uses (combination of above)
- Public transportation stations



# INITIAL STATEWIDE IMPLEMENTATION OF STATEWIDE TRASH PROVISIONS (June 2017)

Water Boards issued Orders to municipal stormwater permittees statewide, requiring:

- **By December 2017:** Submit selection of Compliance Track Method and Preliminary Jurisdictional Map
- **By December 2018:** Submit Final Jurisdictional Map and Final Track 2 Implementation Plan (if applicable)



# LONG-TERM STATEWIDE IMPLEMENTATION OF STATEWIDE TRASH PROVISIONS



**Provisions require permittee compliance with Trash requirements by December 2030**

- Trash Provisions implemented in recently adopted stormwater permits:
  - City of Salinas Phase I Municipal Stormwater Permit
  - San Francisco Bay Regional Phase I Municipal Stormwater Permit
  - Statewide Industrial Stormwater General Permit

# LONG-TERM STATEWIDE IMPLEMENTATION OF STATEWIDE TRASH PROVISIONS



**Provisions require permittee compliance with Trash requirements  
by December 2030**

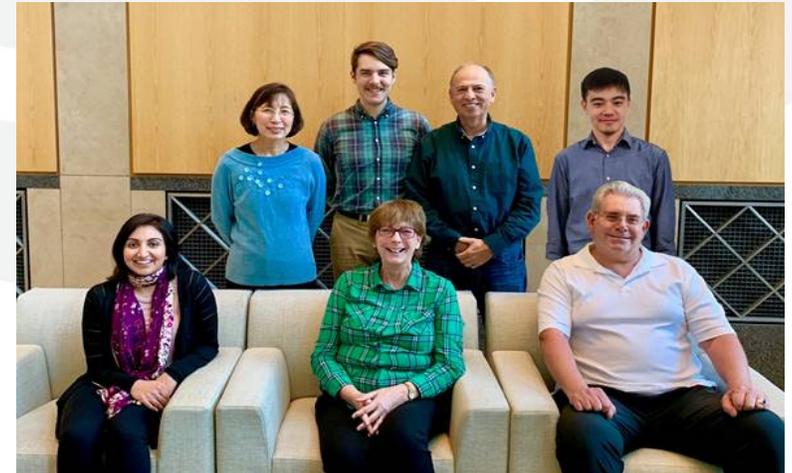
- Trash Provision implementation in upcoming proposed municipal stormwater permits:
  - Statewide Construction Stormwater General Permit
  - Statewide Caltrans stormwater permit
  - Statewide Phase II municipal stormwater permit for small communities
  - 13 upcoming Regional Water Board Phase I municipal stormwater permits

# STATE WATER BOARD TRASH PROVISION IMPLEMENTATION TEAM

---

## Division of Water Quality staff:

- Manage the State Water Board Full Capture Device certification process
- Manage a certification process for project-specific trash full capture systems
- Update technical fact sheets for trash full capture systems
- Coordinate with mosquito and vector control districts to ensure devices are accessible for mosquito abatement



# IMPLEMENTATION SUCCESSES



- **Los Angeles Region**

- Los Angeles River Watershed

- Actual capture of estimated 6 million pounds of trash/year through 17,000 installed full capture systems

- Ballona Creek Watershed

- Actual capture of estimated 1.1 million pounds of trash/year through 2500 full capture systems

- **San Francisco Bay Region**

- 90% permittee compliance with 80% trash reduction goals
  - On track for “No Trash Adverse Impacts to Waterbodies” Goal by 2022

# Other Water Board Activities

- STORMS Phase II Project to address CECs (including microplastics) in storm water and urban runoff
- Microplastics in drinking water (SB 1422, 2018)
  - Adopt definition of microplastics in drinking water by 7/1/2020
  - Adopt standard methodology for testing drinking water
  - Adopt testing and reporting requirements
  - Consider need for notification level or other guidance
  - Accredite qualified CA laboratories to analyze microplastics
- Coordinating with OPC on implementing microplastics strategy
- Ocean Plan review recognized microplastics as high priority



## Trash Control in State Water

Karen Mogus  
Deputy Director of Water Quality

### ***Further Questions?***

*Visit our program website at  
[https://www.waterboards.ca.gov/water\\_issues/programs/trash\\_control](https://www.waterboards.ca.gov/water_issues/programs/trash_control)*