



STATEWIDE TRASH REGULATIONS

Jamison Crosby, Program Manager
Napa Countywide Stormwater Pollution Prevention Program
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Napa Countywide Stormwater Pollution Prevention Program



Statewide Trash Amendments

- WHO promulgated the amendments?
- WHAT are our compliance options?
 - Track 1 or Track 2
- WHEN our compliance deadlines?
- WHERE must we control trash?
- WHY...
- \$\$\$



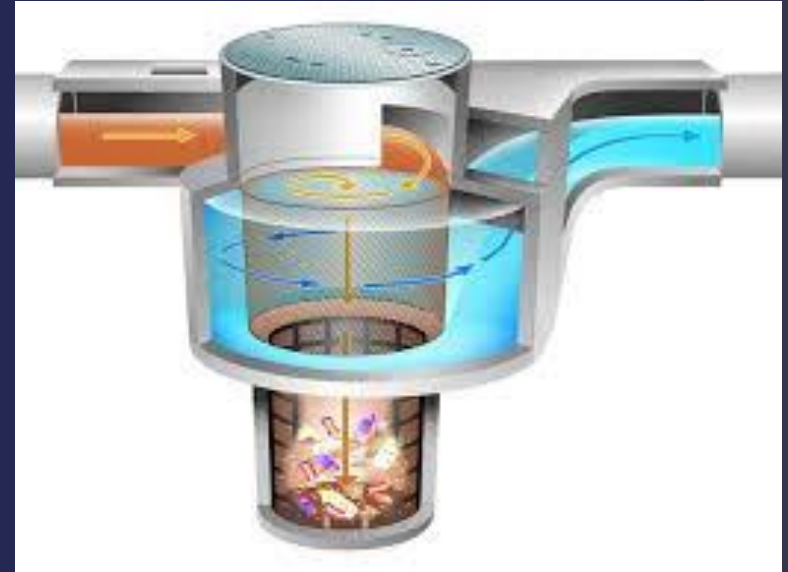
Compliance Tracks

- ④ **Track 1** – Install and maintain “full trash capture” systems in storm drains that capture runoff from ALL priority land uses
 - No monitoring required
- ④ **Track 2** – Install and maintain “full trash capture” systems everywhere feasible
 - Wherever infeasible, implement a combination of other trash controls
 - Demonstrate Track 1 equivalency, i.e., that you’ve captured as much trash with your alternative controls as you would have full capture systems
 - Monitoring is required

Full Trash Capture Systems

● Larger (High Flow Capacity) Devices

- Hydrodynamic separators (aka Vortex separators)
- Gross Solid Removal Devices
- Netting Devices



Full Trash Capture Systems

◉ Smaller (Inlet-based) Devices

- Connector Pipe Screens
- Baskets and screens



Full Trash Capture Systems

- ① Trap all particles 5mm or larger
- ① Treatment capacity of not less than the peak flow rate resulting from a 1 year/1 hour storm OR
- ① Treatment capacity of the storm drain they're installed in

Where?

◎ Priority land uses

- High- density residential ≥ 10 DU/acre
- Industrial
- Commercial
- Mixed urban
- Public Transportation Stations

When?

<u>Within 18 months</u> of Effective Date, Water Board will issue a Water Code section 13383 or 13267 Order for cities to choose Track 1 or Track 2	Likely date: December 2016
<u>Notify Water Board</u> of Compliance Approach within 3 months of receiving Order (Track 1 or Track 2)	Likely date: ~ March 2017
<u>If Track 2:</u> Submit Trash Reduction Implementation Plan within 18 months of receiving 13383 or 13267 Order	Likely date: ~ June 2018
Full Compliance with Track 1 or Track 2: 10 years from when it is incorporated into Implementing Permit* (show interim progress ** each year starting in FY 18/19)	~June 2027

Cost?

Table 5. NCSPPP Member Costs Estimated per Trash Amendment Track 1 Methods and per Catch Basin

Member	Population	Total Costs by Per Capita Method*		Total Cost by Land Coverage Method*		Total Cost Per Priority Area Catch Basin Method**	
		Capital	Annual O&M	Capital	Annual O&M	Capital	Annual O&M
City of American Canyon	20,208	\$108,900	\$46,700	\$183,900	\$78,800	\$42,400	\$21,200
City of Calistoga	5,254	\$23,900	\$10,200	\$47,800	\$20,500	\$99,200	\$49,600
City of Napa	78,340	\$575,800	\$246,800	\$712,900	\$305,500	\$555,200	\$277,600
County of Napa	26,496	\$161,360	\$69,200	\$241,100	\$103,300	\$67,200	\$33,600
City of St. Helena	5,947	\$27,000	\$11,600	\$54,100	\$23,200	\$68,800	\$34,400
Town of Yountville	2,973	\$13,500	\$5,800	\$27,000	\$11,600	\$37,600	\$18,800

*This method is based on the Trash Amendments Track 1 cost of compliance estimates, using population of each community.

**This method is based on experience with installation of catch basin inserts throughout California, using the number of catch basins in each identified priority area. This method is believed to be the most reliable for NCSPPP.

Technical Memorandum



DATE: January 19, 2016
 TO: Jamison Crosby, NCSPPP
 COPY TO: Sandy Mathews, LWA
 SUBJECT: Evaluation of Installation of Catch Basin Inserts in NCSPPP Communities to comply with Statewide Trash Amendments Track 1

Kristine Cornille
 400 Stevens Creek Blvd., Ste 200
 San Jose, CA 95128
 408.261.1986
 krc@lwa.com

Introduction

The Amendments to the Water Quality Control Plan for the Ocean Waters of California to Control Trash and Part 1 Trash Provisions of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California (Trash Amendments) was adopted on April 7, 2015. The Trash Amendments require that Permittees choose either "Track 1" or "Track 2" to comply with the narrative water quality objective for trash. Under Track 1, a Permittee would install a network of full capture systems (FCS) for all storm drains located in their priority land use areas (defined in the following sections). Under Track 2, a Permittee could use a combination of controls (multi-benefit, structural and/or institutional), as long as they can demonstrate that the combination of controls performs as well as Track 1. The following assessment was prepared to evaluate the costs of Track 1 for the Napa County Stormwater Pollution Prevention Program (NCSPPP) members.¹ The estimates contained in this analysis assume that a catch basin insert is installed in each of the catch basins in the priority land use areas. This approach provides a simple baseline cost for compliance that can be used as planning level estimates or as a basis of comparison for alternate control approaches (e.g., regional devices).

Description of Priority Areas

The Trash Amendments state that to comply with Track 1, NCSPPP members must install, operate, and maintain FCS for all storm drains that capture runoff from one or more of the following priority land uses:

¹ City of American Canyon, City of Calistoga, City of Napa, County of Napa, City of St. Helena, Town of Yountville

Help is on the way!

- BASMAA Trash Planning Project
- Starting July 2016
- North Bay Regional project
 - All municipalities in Napa County,
 - All municipalities in Marin County,
 - City/Co.Sonoma and SCWA
 - Petaluma
 - Benicia
- Partial funding provided by NBWA

Questions?

253-4823

Jamison.Crosby@countyofnapa.org