

**BALLONA CREEK WATERSHED  
TRASH TOTAL MAXIMUM DAILY LOAD MONITORING AND ANNUAL REPORT  
IMPLEMENTATION YEAR 8  
OCTOBER 1, 2010 TO SEPTEMBER 30, 2011**

**Background**

On August 1, 2002, the Ballona Creek Trash Total Maximum Daily Load (TMDL) was approved and adopted. On February 8, 2005, a Regulatory Action was approved to amend and revise the TMDL. The TMDL implementation schedule requires a 10 percent progressive reduction of the trash baseline load each year starting 2 years (2004) after the establishment of the TMDL until the numeric target of zero trash is achieved (2015).

**Potential Point Sources and Responsible Jurisdictions**

There are 368 catch basins that collect runoff from County-unincorporated communities located within the Ballona Creek Watershed. There are 5 County-unincorporated communities and 6 cities within the Ballona Creek Watershed (attached Implementation Areas Map). Unincorporated communities make up 4.80 percent of the Ballona Creek Watershed. Pursuant to the TMDL, the County is responsible for the point-source trash contributed by the County-unincorporated communities within the Ballona Creek Watershed.

**Monitoring and Reporting**

In February 2004 the County submitted the Trash Baseline Monitoring Report for the Ballona Creek Watershed as required by the initial TMDL. Five land-use categories were monitored, and a baseline-waste load allocation value was calculated based on the monitoring results.

In April 2007 after extensive research, testing, and development, the County submitted a Full-Capture Device Technical Report<sup>1</sup> for the connector pipe screen (CPS) device to the Regional Board. The CPS device<sup>2</sup> was subsequently certified by the Regional Board as an approved full-capture device on August 1, 2007. According to the Regional Board, "a full-capture system is any single device or series of devices that traps all particles retained by a 5-millimeter mesh screen (100 percent trash removal) and has a design treatment capacity of not less than the peak-flow rate resulting from a 1-year, 1-hour, storm in the subdrainage area" (Resolution No. 04-023).

In accordance with the TMDL, the County has submitted an annual Status Report along with the Annual Storm Water Monitoring Report.

<sup>1</sup> Technical Report. – Connector Pipe Screen Design (Full-Capture TMDL Compliance, Screen and Bypassing Sizing Requirements). Dated April 2007.

<sup>2</sup> The list of Executive Officer approved full-capture systems is available at the following site:  
[http://www.waterboards.ca.gov/losangeles/water\\_issues/programs/tmdl/full\\_capture\\_certification.shtml](http://www.waterboards.ca.gov/losangeles/water_issues/programs/tmdl/full_capture_certification.shtml)

## **Implementation Strategy**

The County's implementation strategy is to install full-capture devices in all feasible catch basins within the unincorporated areas of the County. Other Regional Board certified full-capture best management practice devices, partial-capture devices or other alternatives may be considered for installation in catch basins where the installation of full-capture devices is not feasible, due to the negative impacts these devices may have on the flood control capacity. The installation of these devices is being completed in phases to address the required compliance deadlines and with the initial phases being located in this highest trash generating areas.

## **Completed Full-Capture Retrofits**

To date, two phases have been implemented. The initial phase (Phase 1) was completed in December 12, 2008, with the installation of 232 CPS devices. The next phase (Phase 2) was completed in December 1, 2009, with the installation of 101 CPS devices.

To date, the County has achieved a total 88.5 percent reduction with the installation of 333 full-capture devices and a 81.1 percent reduction based on a 3-year average for all of the County unincorporated areas within the Ballona Creek Watershed (See Table 1).

## **Future Full-Capture Retrofits**

Planning efforts are currently underway to retrofit the remaining 35 catch basins with full-capture devices or other full-capture best management practices. Such project(s) will be implemented when deemed feasible.

RJG:sw

P:\wmpubl\Secretarial\2011 Documents\Misc\LAR Trash TMDL Status Report.doc

Enc.

**Ballona Creek Trash TMDL  
County Unincorporated  
Full-Capture Catch Basin Retrofit**

**Table 1 - Percent Reduction of the Trash Baseline**

Implementation Area <sup>1</sup> for Ballona Creek County Unincorporated	Trash Generation Rate <sup>2</sup> (%)	Total Catch Basins	Total Catch Basins Retrofitted with Full-Capture Devices 2009	Trash Reduction <sup>3</sup> (%) 2009	Total Catch Basins Retrofitted with Full-Capture Devices 2010	Trash Reduction <sup>3</sup> (%) 2010	Total Catch Basins Retrofitted with Full-Capture Devices 2011	Trash Reduction <sup>3</sup> (%) 2011
1 - Trousdale Estates	N/A	0	0	N/A	N/A	N/A	N/A	N/A
2 - West Los Angeles	19.58	17	13	15.0	13	15.0	13	15.0
3 - Baldwin Hills	77.20	349	217	48.0	318	70.3	318	70.3
4 - Playa Vista	3.22	2	2	3.2	2	3.2	2	3.2
5 - West Fox Hills	N/A	0	0	N/A	N/A	N/A	N/A	N/A
<b>Totals:</b>	<b>100.00</b>	<b>368</b>	<b>232</b>	<b>66.2</b>	<b>333</b>	<b>88.5</b>	<b>333</b>	<b>88.5</b>
<b>3-Year Average Percent Reduction:</b>								
<b>81.1</b>								

<sup>1</sup> The Implementation Areas are comprised of unincorporated communities within Ballona Creek

<sup>2</sup> The trash generation rates for each Implementation Area are based on the waste-load allocation. The allocation was determined by previous monitoring results of the various land-use categories.

<sup>3</sup> Reduction % = (No. of Full-Capture Retrofits) / (Total Basins in Impl. Area) \* (% Trash Generation)