

Appendix J
Los Angeles River Watershed Trash Monitoring Report

Los Angeles River Watershed Trash TMDL Monitoring and Reporting (10/01/2007 to 9/30/2008)

On September 19, 2001, the Los Angeles Regional Water Quality Control Board adopted the Los Angeles River Trash Total Maximum Daily Load (TMDL). The TMDL implementation schedule requires a 10 percent progressive reduction of the baseline waste load allocation each year starting 2 years after the establishment of the TMDL until the numeric target of zero trash is achieved. Accordingly, implementation Year 4 (10/01/07 to 9/30/08) requires a reduction of 40 percent of the waste load allocation within the County's unincorporated areas.

The initial implementation plan to comply with the Los Angeles River Trash TMDL was established in May 2002 with a plan to retrofit all the catch basins located in the unincorporated communities which are tributary to the Los Angeles River. As part of that initial implementation plan, 50 percent, or over 2,000, of the catch basins in the unincorporated Los Angeles River watershed were retrofitted with screens. However, due to concerns for flooding and public safety, the devices used in this initial effort had openings greater than the 5mm requirement to be considered full capture. Therefore, additional testing and development was performed on various devices in an attempt to achieve full-capture trash reductions while minimizing any adverse impacts to flood protection and public safety.

After significant testing and development, a device known as a Connector Pipe Screen (CPS) was selected and later certified by the Regional Water Quality Control Board on August 1, 2007 as a full capture device. This certification confirms that any area that drains into a full capture device is considered to be in 100% compliance with the Los Angeles River Trash TMDL. At the same time we developed a revised implementation plan which was put into effect in September 2006 to retrofit all of the catch basins in the unincorporated Los Angeles River watershed with full capture CPS devices. This implementation plan grouped areas based on geographic proximity to aid in managing and contracting the large number of catch basins that require retrofitting. The trash generation rate was calculated based on the waste load allocation which was determined by the land use data compiled during baseline monitoring performed in 2002 and 2004.

The first project under this new implementation plan was recently awarded and includes installation of approximately 595 full capture CPS devices by September 30, 2008. This project will achieve 41.42 percent trash reduction in the unincorporated Los Angeles River watershed by the TMDL compliance date of September 30, 2008. Table 1 shows how these efforts will achieve the 41.42 percent trash reduction. This meets the Year 4 compliance target of 40% reduction of the baseline waste load allocations. Future projects will continue to retrofit the remainder of the catch basins in the unincorporated Los Angeles River watershed with full capture CPS devices to meet the yearly requirements set

forth by the trash TMDL. The ultimate target of zero trash discharge is required by year 2014.

One factor not considered in this calculation, but may be utilized in future calculations, is the percentage which would be achieved by adding the previously installed partial capture devices into the final calculation of trash reduction. Initial estimates indicate that these 2,000+ partial capture devices would provide an additional 25 percent trash reduction. This is based on using the same approach used in the table below but using a 50 percent reduction per device rather than 100 percent as allotted for the full capture CPS device.

Table 1

Land Use Area	Trash Generation Rate (%)	Total Catch Basins	Number of Catch Basins Retrofitted by Sept. 08	Trash Reduction* (%)
A	31.9	40	26	20.74
B	2.7	24	20	2.25
C	1.7	24	20	1.42
D	1.4	0	0	1.40
E	4.8	327	0	0.00
F	10.7	753	255	3.62
G	5.2	519	41	0.41
H	2.3	248	37	0.34
I	4.8	12	12	4.80
J	1.1	109	9	0.09
K	13.4	975	70	0.96
L	7.7	608	3	0.04
M	1.6	139	20	0.23
N	4.9	383	24	0.31
O	0.2	0	0	0.20
P	1.2	76	7	0.11
Q	4.5	51	51	4.50
Totals:	100	4288	595	41.42

* Trash reduction is calculated as follows: (Number to be Retrofitted/Total Catch Basins)xTrash Generation Rate