

Los Angeles Regional Water Quality Control Board

April 29, 2014

Mr. Enrique Zaldivar, Director
Department of Public Works
City of Los Angeles
1149 South Broadway Street, 9th Floor
Los Angeles, CA 90015-2213

Dear Mr. Zaldivar:

ADMINISTRATIVE REVISION TO MONITORING AND REPORTING PROGRAM FOR TERMINAL ISLAND HARBOR WATER RECYCLING PROJECT ORDER NO. R4-2003-0134 (CA0053856, CI-8654)

The City of Los Angeles (Discharger) submitted a letter dated September 19, 2013, requesting that we modify the Constituents of Emerging Concern (CEC) monitoring requirements found in the Terminal Island Harbor Water Recycling Project (TIWRP HWRP) to match the monitoring requirements found in its associated National Pollutant Discharge Elimination System (NPDES) permit. The permit modification will bring consistency in requirements between the Waste Discharge Requirements (WDR) and the NPDES permits for Terminal Island.

In addition, the City of Los Angeles also seeks clarification on the following:

1. The specific nonylphenol and octylphenol polyethoxylates to be monitored as part of the CEC monitoring requirements and the acceptable alternative analytical methods. The current language lists these as categories and does not specify the validity of alternative methods for analysis.
2. The monitoring frequency requirements for nitrogen compounds.

The Los Angeles Regional Water Quality Control Board has reviewed these requests and has the following response:

CEC Monitoring Requirements

At the Discharger's request, we are making the following revision to the Monitoring and Reporting Program (MRP), Order No. R4-2003-0134 for the TIWRP HWRP. This revision supersedes the CEC monitoring requirements found in page T-11, footnotes [11] and [12]:

Parameter	Unit	Reporting Limit	Sample Type	Analytical Method ¹	Minimum Sampling Frequency
17 α -Ethinyl Estradiol	ng/L	0.5	24-hour Composite	EDC Steroid	Annually for 2 years
17 β -estradiol	ng/L	0.5	24-hour Composite	EDC Steroid	Annually for 2 years
Estrone	ng/L	0.5	24-hour Composite	EDC Steroid	Annually for 2 years
Bisphenol A	ng/L	10	24-hour Composite	EDC Steroid	Annually for 2 years
Nonylphenol & Nonylphenol polyethoxylates ²	ng/L	100	24-hour Composite	EDC Steroid	Annually for 2 years
Octylphenol and octylphenol polyethoxylates ³	ng/L	100	24-hour Composite	EDC Steroid	Annually for 2 years
Polybrominated diphenyl ethers (PBDE 28, 47, 99, 100, 153, 154, 183, 209)	ng/L	100 for PBDE 209, and 5 for all others	24-hour Composite	PBDEs	Annually for 2 years
Amoxicillin	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Azithromycin	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Carbamazepine	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Caffeine	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
N,N-Diethyl-m-toluamide (DEET)	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Dilantin	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Gemfibrozil	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Ibuprofen	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Iodinated contrast media (Iopromide)	ng/L		24-hour Composite	PPCPs	Annually for 2 years
Sulfamethoxazole	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Trimethoprim	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
TCEP, TCPP, and TDCPP	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years

¹ Analytical method may be modified as long as the minimum reporting limit is attained.

² This includes nonylphenol, nonylphenol monoethoxylate, and nonylphenol diethoxylate.

³ This includes 4-tert-octylphenol, 4-tert-octylphenol monoethoxylate, and 4-tert-octylphenol diethoxylate.

Parameter	Unit	Reporting Limit	Sample Type	Analytical Method ¹	Minimum Sampling Frequency
Triclosan	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Bifenthrin	ng/L	5	24-hour Composite	Pyrethroids	Annually for 2 years
Permethrin	ng/L	10	24-hour Composite	Pyrethroids	Annually for 2 years
Chlorpyrifos	ng/L	10	24-hour Composite	Chlorpyrifos	Annually for 2 years
Galaxolide	ng/L	10	24-hour Composite	Galaxolide	Annually for 2 years
Diclofenac	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years
Perfluorooctane Sulfonate (PFOS)	ng/L	40	24-hour Composite	PFOS	Annually for 2 years
Fipronil	ng/L	2	24-hour Composite	Fipronil	Annually for 2 years
Meprobamate	ng/L	10	24-hour Composite	PPCPs	Annually for 2 years

Nitrogen Compounds

Section III.8.A.a of Order No. R4-2003-0134 specifically removes nitrate and nitrate plus nitrite from Attachment A-1 and does not need to be monitored on a quarterly basis. However, Section IV.2.B of the MRP still requires twice weekly monitoring of nitrogen compounds at least three days apart.

This letter administratively amends the MRP of Order No. R4-2003-0134 for TIWRP HWRP. If you have any questions, please contact Steven Webb at (213) 576-6793.

Sincerely,



Samuel Unger, P.E.
Executive Officer

Cc: Frances McChesney, State Water Resources Control Board, Office of Chief Counsel
Hugh Marley, LARWQCB, Enforcement Unit
Mas Dorjiri, Environmental Monitoring Division, City of Los Angeles
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