

State of California
Regional Water Quality Control Board
San Diego Region

EXECUTIVE OFFICER SUMMARY REPORT
November 13, 2012

ITEM: 9

SUBJECT: NPDES Permit Addendum: City of Oceanside Pretreatment Program, Approval of Local Limits (Tentative Order No. R9-2012-0060) (Joann Lim)

PURPOSE: To amend Order No. R9-2011-0016, NPDES Permit No. CA0107433 with the adoption of Tentative Order No. R9-2012-0060.

RECOMMENDATION: Adoption of Tentative Order No. R9-2012-0060 is recommended.

KEY ISSUE: The City of Oceanside's revised industrial effluent limits (revised local limits) are necessary to implement National Pretreatment Standards to control pollutants which pass through or interfere with treatment processes in Publicly Owned Treatment Works (POTWs) or which may contaminate sewage sludge.

DISCUSSION: The City of Oceanside (Discharger) owns and operates the San Luis Rey Water Reclamation Facility (SLR) and La Salina Wastewater Treatment Plant (LS). The map of the Discharger's service areas can be found in Supporting Document No. 1. The Discharger currently discharges secondary-treated wastewater from SLR and LS to the Pacific Ocean through the Oceanside Ocean Outfall pursuant to Order No. R9-2011-0016 and National Pollutant Discharge Elimination System (NPDES) Permit No. CA0107433.

Order No. R9-2011-0016 requires the Discharger to implement and enforce a Pretreatment Program. The pretreatment program is a federal requirement for POTWs, to prevent the introduction of pollutants into the POTWs which will interfere with treatment operations, will pass through the treatment works, or otherwise be incompatible with such works, and to improve opportunities to recycle and reclaim municipal and industrial wastewater and sludges. The pretreatment program includes the

development and enforcement of local limits (effluent limits placed on industries that discharge to SLR and LS). The Discharger may initiate changes to its local limits, provided the changes are incorporated into the Discharger's NPDES permit by the San Diego Water Board.

On June 22, 2011, August 9, 2011, and August 13, 2012, the Discharger submitted to the San Diego Water Board proposed changes to its local limits, which were adopted by the Oceanside City Council on August 15, 2012 and summarized below.

Parameter	Units	Current Limits	Proposed Limits
Arsenic	mg/L	0.5	0.91
Boron	mg/L	1.0 (SLR only)	2.7 (SLR only)
Cadmium	mg/L	0.11	0.15
Chromium	mg/L	2.77	15
Copper	mg/L	3.38	3.3
Cyanide	mg/L	1.2	3.9
Grease and Oil	mg/L	100 (and narrative limits)	narrative limits only
Lead	mg/L	0.69	0.94
Mercury	mg/L	0.05	0.057
Molybdenum	mg/L	n/a	0.56
Nickel	mg/L	3.98	9.3
Phenolic Compounds	mg/L	2.0	eliminated
Selenium	mg/L	n/a	0.34
Silver	mg/L	0.43	3.4
Sulfide	mg/L	1.0	1.0
Total Metals	mg/L	10.5	eliminated
Total Toxic Organics	mg/L	2.13 (and narrative limits)	narrative limits only
Zinc	mg/L	2.61	4.2
Biochemical Oxygen Demand	ppd	n/a	6,806 (SLR) 3,852 (LS)
Ammonia	ppd	n/a	1,980 (SLR) 537 (LS)
Total Dissolved Solids	ppd	n/a	18,664 (SLR only)

Milligram per liter (mg/L) and pound per day (ppd)

Not applicable (n/a)

Boron and TDS local limits protect recycled water use. LS does not produce recycled water.

The revisions of the local limits noted in the above table are based on the appropriate application of the 2004 U.S. Environmental Protection Agency Local Limits Development Guidance¹ to the specific conditions at SLR and LS.

The numeric local limits for grease and oil and total toxic organics were removed because the numeric local limits are duplicative of narrative limits prescribed in the Oceanside City's Sewer Use Ordinance. The local limit for phenolic compounds was removed because no known source of industrial phenolic compounds has been identified, the effluent from SLR and LS has been consistently in compliance with the performance goals for phenolic compounds contained in Order No. R9-2011-0016, and there have been no reported treatment plant problems caused by phenolic compounds. The local limit for total metals, expressed as the aggregate of chromium, copper, nickel, and zinc, was removed because these metals are specifically addressed by individual local limits.

The technical information submitted in support of the local limits changes can be found in the *City of Oceanside, Technically Based Local Limits Study (originally dated June 22, 2011 and amendments dated August 9, 2011 and August 13, 2012)*, which can be accessed at http://www.waterboards.ca.gov/sandiego/board_decisions/tentative_orders/docs/R9-2012-0060/LocalLimitsStudy.pdf. An executive summary and the 2012 amendment of the Local Limits Study are included as Supporting Document No. 2.

The Tentative Order (Supporting Document No. 3), if adopted, will incorporate the above proposed local limits as enforceable conditions of Order No. R9-2011-0016. No comments have been received on this item.

An Errata Sheet to the Tentative Order (Supporting Document No. 4) has been prepared to address a typographical error, to correct the date, and to clarify the document.

LEGAL ISSUES: None.

¹ Available at: http://www.epa.gov/npdes/pubs/final_local_limits_guidance.pdf, [Accessed on October 22, 2012]

PUBLIC NOTICE: On September 5, 2012, a public notice was published in the North County Times, and copies of the Tentative Order were emailed to the Discharger and to all known interested persons and posted on the San Diego Water Board's website.

SUPPORTING DOCUMENT:

1. City of Oceanside Wastewater Service Areas
2. Executive Summary and 2012 amendment of City of Oceanside Technically Based Local Limits Study
3. Tentative Order No. R9-2012-0060
4. Errata Sheet to Tentative Order No. R9-2012-0060