

State of California
Regional Water Quality Control Board
San Diego Region

EXECUTIVE OFFICER SUMMARY REPORT
March 14, 2012

ITEM: 6

SUBJECT: NPDES Permit Amendment: Encina Wastewater Authority, Approval of Local Limits (Tentative Addendum No. 1 to Order No. R9-2011-0019) (Joann Lim)

PURPOSE: To adopt Tentative Addendum No. 1 to Order No. R9-2011-0019.

RECOMMENDATION: Adoption of Tentative Addendum No. 1 to Order No. R9-2011-0019 is recommended.

KEY ISSUE: As required under section 403, title 40 of the Code of Federal Regulations, Encina Wastewater Authority's revised industrial effluent limits (revised local limits), which were approved by the Encina Wastewater Authority's Board of Directors, shall be incorporated into the NPDES permit.

DISCUSSION: Encina Wastewater Authority (Discharger) is a joint powers authority, comprised of the following member agencies: Buena Sanitation District, City of Carlsbad, City of Encinitas, Leucadia Wastewater District, Vallecitos Water District, and City of Vista. The Discharger owns and operates the Encina Water Pollution Control Facility (EWPCF) and Vallecitos Water District independently owns and operates the Meadowlark Water Reclamation Plant (MWRP). The Discharger currently discharges secondary-treated wastewater from EWPCF and MWRP to the Pacific Ocean through the Encina Ocean Outfall pursuant to Order No. R9-2011-0019 and National Pollutant Discharge Elimination System (NPDES) Permit No. CA0107395.

Order No. R9-2011-0019 requires the Discharger to implement and enforce a Pretreatment Program. The pretreatment program is a federal requirement of publicly-owned treatment works (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 EWPCF and MWRP). 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 April 13, 2011 and September 15, 2011, the Discharger submitted to the San Diego Water Board proposed changes to its local limits, which were adopted by the Discharger's Board of Directors on February 22, 2012 and summarized below.

Parameter	Units	Previous Local Limits	New Local Limits	Reason for change	
Arsenic	mg/L	n/a	1.5	Added to protect beneficial use of biosolids	
Mercury			0.27		
Molybdenum			4.1		
Selenium			2.5		
Boron			7.4 (MWRP only)	Added to protect beneficial use of recycled water	
Iron			67 (MWRP only)		
Manganese			1.7 (MWRP only)		
Cadmium			0.43	0.77	Relaxed limits due to increased capacity and improvements at both POTWs
Copper			4.40	11	
Lead			1.80	5.1	
Nickel	1.80	15			
Zinc	6.20	29			
pH	SU	5.5-11.0	5.5-12.0		
BOD	varies	500 lb/day (both)	500 lb/day (EWPCF) 250 mg/L (MWRP)	More stringent limits due to limited capacity at the MWRP	
TSS		500 lb/day (both)	500 lb/day (EWPCF) 250 mg/L (MWRP)		
Chromium	mg/L	3.5	3.5	No change required	
Temperature	°F	140	140		
Silver	mg/L	4.2	4.2		
Total Toxic Organics	mg/L	2.00	2.00		
Oil & Grease	mg/L	400	400		

This Tentative Addendum, if adopted, will incorporate the above new local limits as enforceable conditions of Order No. R9-2011-0019. No comments have been received on this item.

LEGAL ISSUES: None.

PUBLIC NOTICE: On January 23, 2012, a public notice was published in the San Diego Union Tribune, and copies of the Tentative Addendum were mailed (via email and mail) to the Discharger and to all known interested persons and posted on the San Diego Water Board's website.

SUPPORTING DOCUMENT:

1. Transmittal Letter to Encina Wastewater Authority
2. Tentative Addendum No. 1 to Order No. R9-2011-0019