

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

TENTATIVE ADDENDUM NO. 4
TO
ORDER NO. 97-52

WASTE DISCHARGE AND WATER RECYCLING REQUIREMENTS
FOR THE
SOUTH ORANGE COUNTY RECLAMATION AUTHORITY
ORANGE COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. Order No. 97-52 prescribes Waste Discharge and Water Recycling Requirements for the production and purveyance of recycled water by member agencies of South Orange County Reclamation Authority (SOCWA).
2. SOCWA (hereinafter Discharger) on behalf of one of its member agencies, the Santa Margarita Water District (SMWD), submitted a Report of Waste Discharge for an amendment of Order No. 97-52 to established requirements for the discharge from the Horno Urban Water Recovery Facility (UWRF).
3. The Horno UWRF is located at the southern end of the Ladera Ranch planned community, in Tract 15793 within the Horno Creek Hydrologic Subarea (HAS 901.27) of the San Juan Creek Watershed. The facility is designed to divert urban runoff flows, which are collected in the Horno Water Quality Basin, to the SMWD's recycled water distribution system for subsequent landscape irrigation use. The Horno Water Quality Basin is owned and operated by the County of Orange.
4. The urban runoff flows will be diverted through the Horno Water Quality Basin, and flow through seven acres of constructed wetlands, owned by Ladera Ranch Homeowners Association, prior to blending with recycled water. The diverted urban runoff will provide approximately 180 acre-feet of supplemental water during dry weather months.
5. The sample results of water collected at the point of diversion between November 2004 and April 2005 was reported having average concentrations of the following constituents in milligrams per liter (mg/L):

Constituent	Average Concentration	Constituent	Average Concentration
Total Dissolved Solids	686	Nitrate (as N)	0.6
Boron	0.22	Sulfate	349
Sodium	57	Fluoride	0.275
Chloride	48.5	Total Phosphorus (as P)	0.4

6. The Regional Board has notified all known interested parties of its intent to amend waste discharge and recycling requirements.
7. A Notice of Exemption for the Horno Basin Urban Water Recovery Facility was filed by SMWD and posted by the Clerk for the Board of Supervisors, County of Orange on September 29, 2006 in accordance with section 10562(c)(2) of Title 14, *California Code of Regulations*, Chapter 3, *Guidelines for Implementation of the California Environmental Quality Act*.
8. The Regional Board has considered all water resource related environmental factors associated with the proposed discharge of waste.
9. The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the following requirements are added to Monitoring and Reporting Program No. 97-52 as Provision K.

Provision K. Horno Urban Water Recovery Facility

1. The Santa Margarita Water District (SMWD) shall monitor and sample diversion water either prior to, or after mixing with, recycled water to ensure compliance with effluent limitations. The point(s) of compliance shall be either prior to mixing, or at the confluence of mixing with recycled water. The SMWD shall provide the Regional Board with the flow rate and concentrations of effluent constituents consistent with those listed in Table A-1 of this Monitoring and Reporting program (M&RP), with the exception of Biochemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Odor.
2. The SMWD shall monitor and sample effluent from the recycled water facilities at the point of discharge, prior to blending with diversion water. The effluent shall not exceed the effluent limitations listed in Table A-1 of this M&RP.
3. The SMWD shall sample and report the results of sampling to SOCWA at a frequency consistent with Reporting Requirement I.2 of this M&RP.
4. SOCWA shall submit reports to the Regional Board in accordance with Reporting Requirement I.3 of this M&RP.

I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Addendum adopted by the California Regional Water Quality Control Board, San Diego Region, on October 8, 2008.

TENTATIVE
JOHN H. ROBERTUS
Executive Officer