

State of California
Regional Water Quality Control Board
San Diego Region

EXECUTIVE OFFICER SUMMARY REPORT
April 11, 2006

- ITEM: 6
- SUBJECT: Update of Waste Discharge Requirements: Vallecitos Water District, Meadowlark Water Reclamation Facility (Tentative Order No. R9-2007-0018) (*Eric Becker*)
- PURPOSE: To adopt tentative Order No. R9-2007-0018, increasing the flow limitation to 5.0 millions gallons per day (MGD) and updating the Waste Discharge Requirements (WDRs) for the discharge of tertiary treated recycled wastewater from the Vallecitos Water District's Meadowlark Water Reclamation facility.
- PUBLIC NOTICE: To comply with a CWC section 131676(a) requirement to provide notice and a period of at least 30 days for public comment prior to adoption of WDRs, a copy of the tentative Order was sent to Vallecitos Water District (via certified mail) and interested parties were notified of the availability of the tentative Order on February 2th, 2007. On February 2th, 2007, the tentative Order, monitoring and reporting program, and fact sheet were posted on the Regional Board's website and have been made available at the Regional Board's office for review thereafter.
- DISCUSSION: Vallecitos Water District, owns and operates the Meadowlark Water Reclamation Facility that treats mainly residential wastewater utilizing Rotating Biological Contactor (RBCs) tertiary treatment system. The existing treatment facility produces 2.25 MGD of disinfected tertiary effluent in compliance with the San Diego Basin Plan and Title 22 of the California Code of Regulations for purveyance of recycled water by the Carlsbad and Olivenhain Water Districts under their master reclamation permits. Recycled water is either delivered directly to the water

districts or stored in the Vallecitos Water District's 54 million gallon capacity Mahr Storage Reservoir.

On January 18, 2005, Vallecitos Water District, submitted a Report of Waste Discharge to upgrade the existing treatment system and increase the facility's flow capacity to 5.0 MGD. Tentative Order No. R9-2007-0018 updates Order No. R9-1993-0023 to address the proposed the upgrades and expansion of the facility. These changes include the replacement of the existing RBCs system with an activated sludge system consisting of new headworks, primary sedimentation tanks, roughing filters, aeration basins, secondary clarifiers, and new media roughing filters. granular filters and chlorination.

No significant changes are expected in the characteristics of the wastewater or the treated effluent, and the water quality objectives for the groundwater basins have not changed. Discharge specifications in the tentative Order are identical to existing Order No. R9-1993-0023 except for total dissolved solids and chloride. The discharge specifications for chloride and total dissolved solids have been changed to set numbers, instead of floating specifications based on incremental increases over supply water quality.

On February 20, 2007, Vallecitos Water District submitted comments on the tentative Order. The District's comments have all been addressed in the attached Response to Comments and Errata Sheet. No other comments have been received on the tentative Order.

SIGNIFICANT CHANGES:

The tentative Order includes certification requirements for the new treatment system that Vallecitos Water District will need to comply with prior to increasing the flow past the existing 2.25 MGD and up to 5.0 MGD.

KEY ISSUES: The tentative Order provides for the increased production and distribution of recycled water for beneficial reuse within the Carlsbad Hydrologic Unit.

LEGAL CONCERNS: None

COMPLIANCE: Vallecitos Water District has generally been in compliance with existing Order No. R9-1993-0023.

SUPPORTING DOCUMENTS:

1. Location Map
2. Tentative Order No. R9-2007-0018
3. Errata Sheet to Tentative Order No. R9-2007-0018
4. Fact Sheet for Tentative Order No. R9-2007-0018
5. Transmittal Letter to Vallecitos Water District
6. Vallecitos Water District February 20, 2007 Letter
7. Response To Comments

RECOMMENDATION: Adoption of Tentative Order No. R9-2007-0018