

EXECUTIVE OFFICER SUMMARY REPORT  
May 9, 2007

- ITEM: 5
- SUBJECT: Update of Waste Discharge Requirements and Master Reclamation Permit: Otay Water District - Ralph W. Chapman Water Reclamation Facility, San Diego County (tentative Order No. R9-2007-0038) (*Melissa Valdovinos*)
- PURPOSE: To adopt a master reclamation permit, including updated waste discharge requirements, for the production, distribution, and use of recycled water. Up to 1.3 million gallons per day (MGD) of recycled water would be produced at the Ralph W. Chapman Water Reclamation Facility (RWCWRF) and blended with up to 6.0 MGD of potable water and/or recycled water from the South Bay Water Reclamation Plant (SBWRP). If adopted, this order would update and replace Order No. 92-25.
- PUBLIC NOTICE: Copies of the tentative order were mailed on February 21, 2007 to Otay Water District and to all known interested parties. Copies were made available for public review at the Regional Water Board office on February 21, 2007.
- DISCUSSION: Otay Water District is the owner and operator of the RWCWRF and the Otay Water District sanitary sewer system. Otay Water District's service area includes southern El Cajon, La Mesa, Rancho San Diego, Jamul, Spring Valley, Bonita, Eastern Chula Vista, East Lake, and Otay Mesa. Wastewater that is not treated at the RWCWRF for recycled water use is disposed of via the Rancho San Diego Outfall Facilities to the City of San Diego Metropolitan Wastewater System.
- The current Order No. 92-25 constitutes waste discharge requirements for the production and discharge of recycled water. Order No. 92-25 establishes requirements for the RWCWRF (referred to as former name, Jamacha Basin Facility in the current order) to discharge up to 1.3 MGD of tertiary-treated domestic wastewater meeting California Code of Regulations Title 22 standards.
- Waste discharge requirements contained in tentative Order No. R9-2007-0038 for the discharge of recycled water to the Otay

Water District service area fully implement the 1994 Water Quality Control Plan for the San Diego Basin (Basin Plan) as amended.

Recycled water produced at the SBWRP is regulated under Order No. 2000-203. Water quality objectives for areas designated in this order for SBWRP recycled water use are at least as stringent as those for areas designated in tentative Order No. R9-2007-0038 for recycled water use in the Otay Water District service area.

Discharge specifications in tentative Order No. R9-2007-0038 are based on statistical considerations, historical data, and the water quality objectives outlined in Table 3-3 of the Basin Plan. Maximum contaminant levels (MCLs) have also been used as discharge specifications for constituents in Tables 3-4 and 3-6 of the Basin Plan.

On March 28, 2007, comments on tentative Order No. R9-2007-0038 were submitted to the Regional Water Board by Otay Water District. Responses to these and any other comments received will be included in the second agenda material mailing.

SIGNIFICANT  
CHANGES:

1. Tentative Order No. R9-2007-0038 converts Order No. 92-25 to a master reclamation permit, as defined by California Water Code Section 13523.1, which contains waste discharge requirements for the production, conveyance, and irrigation use of recycled water. Otay Water District has consented and concurs with this change.
2. The tentative order implements the current Basin Plan and includes limitations for additional constituents. Discharge specifications have been established for constituents with water quality objectives outlined in Table 3-3 of the Basin Plan, which are not to be exceeded more than 10% of the time, and constituents with MCLs as limitations (in Chapter 3 of Basin Plan) for areas designated for use as domestic or municipal supply.
3. The current order establishes appropriate requirements for the production of up to 1.3 MGD of recycled water at the RWCWRF. In addition, up to 6.0 MGD of potable water has been supplied to meet service area demands. The tentative order establishes appropriate requirements for the continued production of up to 1.3 MGD of recycled water at the RWCWRF, which may be blended with up to 6.0 MGD of

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potable water and/or recycled water from the SBWRP to meet current and future service area demands.

**KEY ISSUES:** This tentative order would add requirements for protection of drinking water MCLs in groundwater basins with municipal and domestic supply (MUN) beneficial use designation in accordance with the Basin Plan.

**LEGAL CONCERNS:** None

**SUPPORTING DOCS:**

1. Site Map
2. Transmittal letter for tentative Order No. R9-2007-0038
3. Tentative Order No. R9-2007-0038
4. Otay Water District comments

**RECOMMENDATION:** Adoption of tentative Order No. R9-2007-0038 is recommended.