

State of California
Regional Water Quality Control Board
San Diego Region

EXECUTIVE OFFICER SUMMARY REPORT
December 16, 2009

ITEM: 7

SUBJECT: Waste Discharge Requirements: County of San Diego, San Pasqual Academy Wastewater Treatment Facility, San Diego County (Update of current requirements prescribed in Order No. 94-04) (Tentative Order No. R9-2009-0072) (*Cathryn Henning*)

PURPOSE: To adopt waste discharge requirements updating requirements for the treatment and disposal of up to 0.05 million gallons per day of domestic wastewater generated at the San Pasqual Academy located in Escondido.

PUBLIC NOTICE: Notification of this action was posted on the Regional Board web page on November 12, 2009. This action satisfies the public notification requirements of California Water Code, Division 7, section 13167.5 for a 30-day notice.

DISCUSSION: The San Pasqual Academy Wastewater Treatment Plant (Academy WTP) is currently regulated under Order No. 94-04 which prescribes requirements for the former owner, the Southeastern California Conference Seventh-Day Adventist. In May 2000, the County of San Diego (Discharger) took over operation of the Academy WTP. Amendment or revision of the Order was delayed until the County developed a long term plan to address the inadequate treatment facilities that caused exceedances of biochemical oxygen demand (BOD), total suspended solids (TSS), and pH effluent limitations. The Discharger successfully upgraded the treatment process to consist of bar screens and a lined aeration basin with ultimate discharge to a 1 acre percolation pond/spray irrigation bed bounded by eucalyptus trees.

Tentative Order No. R9-2009-0072 (Supporting Document No. 1) updates several requirements in Order No. 94-04 including revision of discharge specifications and revision of effluent monitoring. In addition, the tentative Order establishes a requirement that the County participate in the development of the San Pasqual Hydrologic Area Salt and Nutrient Management Plan and develop of an Irrigation

Management Plan. More detailed information on the specific changes can be found in the information sheet (Supporting Document No. 2).

To date, the Regional Board has not received public comments regarding this item.

The errata sheet (Supporting Document No. 3) changes/establishes discharge specifications for sulfate and manganese. The discharge specification for sulfate was lowered to account for the Academy WTP's ability to produce effluent of higher quality than the water quality objective. Discharge Specification B.3 was revised to require management of manganese in the Irrigation Management Plan due to the fact that concentrations of manganese in the potable water supply have been detected at levels above the water quality objective.

KEY ISSUES:

1. The tentative Order prescribes requirements to the County of San Diego.
2. The tentative Order updates language and implements the State Board's Recycled Water Policy.

LEGAL CONCERNS:

None

SIGNIFICANT CHANGES:

1. Requirement to participate in San Pasqual Hydrologic Area Salt and Nutrient Management Plan.
2. Requirement to develop Irrigation Management Plan.
3. Replace daily maximum and 30-day average discharge specifications with annual average discharge specification.
4. Decrease monitoring from semiannually to annually and increase number of constituents monitored.

SUPPORTING DOCUMENTS:

1. Tentative Order No. R9-2009-0072
2. Information Sheet for tentative Order No. R9-2009 0072
3. Errata Sheet for tentative Order No. R9-2009 0072

RECOMMENDATION:

Adoption of tentative Order No. R9-2009-0072

Supporting Document No. 1

Tentative Order No. R9-2009-0072

Supporting Document No. 2

Information Sheet for
Tentative Order No. R9-2009-0072

Supporting Document No. 3

Errata Sheet for
Tentative Order No. R9-2009-0072