

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

STAFF REPORT FOR REGULAR MEETING OF OCTOBER 21, 2005

Prepared on September 29, 2005

ITEM: 15

SUBJECT: Reissuance of Waste Discharge Requirements, National Pollutant Discharge Elimination System Permit No. CA0047364 for Carpinteria Sanitary District, Santa Barbara County, Order No. R3-2005-0110

KEY INFORMATION

Location: 5351 Sixth Street, Carpinteria, Santa Barbara County
Discharge Type: Treated municipal wastewater
Capacity: 2.5 MGD
Treatment: Secondary treatment
Disposal: Discharge to Pacific Ocean
Recycling: None
Existing Orders: NPDES Permit/Waste Discharge Requirements Order No. 00-001

SUMMARY

The proposed Order is presented in the new statewide format for National Pollutant Discharge Elimination System (NPDES) permits. This standardized format presents the proposed Order with all supporting information appended as associated attachments. This format was developed through a statewide effort between the State Board, Regional Boards, and USEPA to standardize NPDES permitting and compliance evaluation. The facility information and permit evaluation discussion normally contained within the staff report are presented in the Fact Sheet as Attachment F to the proposed Order.

Staff provides some general information regarding proposed changes in the permit, with reference to the Fact Sheet for additional detail. The Order, Monitoring and Reporting Program, and Fact Sheet each include a Table of Contents.

The Carpinteria Sanitary District (District) owns and operates a wastewater collection, treatment, and disposal system to provide sewerage service to the City of Carpinteria and portions of Santa Barbara County, serving a population of approximately

16,500. The wastewater treatment facility effluent is discharged through a 1,000-foot outfall/diffuser system to the Pacific Ocean.

Waste Discharge Requirements Order No. 00-001, which technically expired on July 14, 2005, currently serves as the National Pollutant Discharge Elimination System (NPDES) permit for discharges of secondary treated municipal wastewater from the District to the Pacific Ocean. The Executive Officer administratively extended the permit until the Board adopts a new Order.

In addition to the consistency achieved by using the statewide permit format, the proposed Order provides a thorough statement of Ocean Plan requirements (both narrative and numeric), improved statement of biosolids regulatory requirements, and intends to facilitate short and long-term improvements to the Discharger's sewage collection system and the minimization of sewer overflows.

PURPOSE OF THE ORDER

Proposed Order No. R3-2005-0110 updates the NPDES permit and will serve as a routine, five-year

reissuance of Order No. 00-001 and NPDES Permit No. CA0047364.

CHANGES WITHIN THE PROPOSED ORDER

Significant changes in proposed Order No. R3-2005-0110 from the existing Order No. 00-001 are summarized below, with reference to the Fact Sheet for further information.

Effluent Limits – Ocean Plan Table B: Staff updated the applicable effluent limits according to the 2001 Ocean Plan. See Order Attachment F, Fact Sheet, Section VI.B.2.e.

Effluent Mass Emission Rate Limits: Staff added effluent maximum allowable mass emission rate limits pursuant to Ocean Plan Section III.C.3.j, and 40 CFR 122.45(f)(2). See Order Attachment F, Fact Sheet, Section IV.C.4.

Effluent Sampling – Ocean Plan Table B: Staff recommends annual sampling of Ocean Plan Table B parameters instead of conditional semi-annual sampling. See Order Attachment F, Fact Sheet, Section VI.B.2.c.

Effluent Sampling for Remaining Priority Toxic Pollutants: Staff added monitoring requirements for toxic pollutants not listed in Ocean Plan Table B, but for which data are required pursuant to USEPA Application Form 3510-2A (Rev. 1-99). See Order Attachment F, Fact Sheet, Section VI.B.2.f.

Wastewater Collection System Management Plan: Staff included the requirement to develop and implement a Wastewater Collection System Management Plan. This requirement provides for the continuation and incorporation of the Discharger's current collection system management efforts, and provides guidance to assure that the Discharger considers all essential elements of operation, maintenance, management, and planning as appropriate for their collection system. See Order Attachment F, Fact Sheet, Section VII.B.1.b.

Biosolids Standard Language: 40 CFR 503 requires that producers of biosolids meet certain reporting, handling, and disposal requirements. Staff added to the Order and MRP standard language

provided by USEPA to clearly disclose the Discharger's responsibilities regarding biosolids disposal. See Order Attachment F, Fact Sheet, Section VII.B.1.d.

Receiving Water Enterococcus Limits: The California Code of Regulations (CCR), Title 17, Section 7958, establishes the minimum protective bacteriological standards for waters adjacent to public beaches and public water-contact sports areas. Staff added receiving water enterococcus limits from 17 CCR, which are not yet represented in the Ocean Plan. See Order Attachment F, Fact Sheet, Section V.A.

Receiving Water Sampling Frequency: Receiving water sampling is conditionally required at shore stations R-A, R-B, R-C, R-D, and R-E when three consecutive effluent total coliform limit violations occur. Staff changed the frequency of receiving water sampling to no fewer than five samples for any 30-day period according to Ocean Plan Section II.B. See Order Attachment F, Fact Sheet, Section VI.D.1.b.

CHANGES IN RESPONSE TO WRITTEN COMMENTS

Written comments were submitted by the Carpinteria Sanitary District and the California Department of Health Services (Attached). Those comments, staff's responses, and minor changes made to the attached draft of the tentative Order are shown in the Fact Sheet beginning on page F-32.

RECOMMENDATION

Adopt Order R3-2005-0110 as proposed, including minor revisions made in response to written comments as shown in the Fact Sheet beginning on page F-32.

ATTACHMENTS

1. Proposed Order No. R3-2005-0110 and the following associated attachments:

Attachment A – Definitions
Attachment B – Topographic Map
Attachment C – Wastewater Flow Schematic
Attachment D – Federal Standard Provisions

Attachment D-1 – Central Coast Water Board
Standard Provisions
Attachment E – Monitoring and Reporting
Program (MRP) No. R3-2005-0110
Attachment F – Fact Sheet
Attachment G – Elements of the Wastewater
Collection System Management Plan
Attachment H – California Regional Water
Board Contact Information
Attachment I – Sewage Overflow Report Form
Attachment J – Monitoring Report Transmittal
Form

2. Letter dated August 30, 2005, from the
Carpinteria Sanitary District to the Executive
Officer.

3. Letter dated August 19, 2005, from the
California Department of Health Services to the
Executive Officer.

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