

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

STAFF REPORT FOR REGULAR MEETING OF May 8, 2009
Prepared on March 27, 2009

ITEM NUMBER: 20

SUBJECT: Reissuance of Waste Discharge Requirements, National Pollutant Discharge Elimination System Permit No. CA0047902 for San Juan Bautista Wastewater Treatment and Reclamation Plant, San Benito County, Order No. R3-2009-0019

KEY INFORMATION

Discharger:	City of San Juan Bautista
Facility Name:	City of San Juan Bautista Wastewater Treatment and Reclamation Plant
Facility Address:	1120 Third Street San Juan Bautista, CA 95045 San Benito County
Type of Waste:	Domestic wastewater
Treatment:	Facility effluent is treated to secondary and tertiary treatment standards.
Disposal:	Unnamed Drainage Channel tributary to the San Benito River
Facility Design Flow:	Average dry weather flow of 0.27 million gallons per day (MGD)
Facility Permitted Flow:	Average monthly dry weather flow of 0.27 MGD and wet weather flow of 0.50 MGD
Existing Order:	Waste Discharge Requirements Order No. R3-2003-0087, National Pollutant Discharge Elimination System (NPDES) Permit No. CA0047902
Recycling Requirements:	Title 22 requirements once Discharger begins reuse.
This Action:	Reissue NPDES Permit

SUMMARY

The proposed Order is presented in the 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 U.S. Environmental Protection Agency (EPA) 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, which is Attachment F to the proposed Order.

This staff report 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.

Discharger. The City of San Juan Bautista (Discharger) owns and operates a sanitary sewer system and wastewater treatment, reclamation, and disposal facility.

Facility. The Discharger's facility is designed to treat an average dry weather flow of 0.27 million gallons per day (MGD) to secondary treatment standards and up to 0.14 MGD to tertiary treatment standards. Wastewater treatment and handling includes a communitor, bypass bar screen, lift station and influent flow-metering station, a sequencing batch reactor (SBR) in pond 1, sludge storage in cells A and B of pond 2, nitrification, chlorination, tertiary sand filtration, and dechlorination. Biosolids are dewatered by belt press, dried, and hauled off-site.

Discharge and Receiving Water. Treated wastewater is discharged at Discharge Point 001 to an unnamed, intermittently flowing drainage channel adjacent to the facility, which flows to San Juan Creek, a tributary of the San Benito River.

PURPOSE OF THE ORDER

The purpose of the proposed Order No. R3-2009-0019, is to update and reissue NPDES permit Order No. R3-2003-0087, NPDES Permit No. CA0047902.

The existing permit expired on September 12, 2008. However, staff provided the Discharger an administrative extension on September 19, 2008. Water Board staff provided the administrative extension because the Discharger made changes after submittal of their application to the water supply treatment plant, which affects the quality of the wastewater treatment plant's effluent. Staff proposed to move the permit reissuance date to the May 8, 2009 Board meeting in order to minimize modifications to the renewed NPDES permit.

CHANGES WITHIN THE PROPOSED ORDER

Changes in proposed Order No. R3-2009-0019 from the existing Order No. R3-2003-0087 are summarized below. Typographical errors and minor changes that do not alter the intent of the Order are not discussed below. For a complete discussion of the rationale for these changes, refer to the Fact Sheet portion of the permit (Attachment F).

Statewide NPDES Permit Template: Staff used to current statewide NPDES Permit template to develop the proposed Order. Although the permit format has changed, major permit elements have been retained.

Collection System General Waste Discharge Requirements Finding: Staff included a discussion of the Discharger's statewide collection system General Waste Discharge Requirements enrollment (Section II.V. of the Order).

Reclamation Specifications: Staff understands that the Discharger will be reclaiming tertiary treated effluent for irrigation purposes. Staff included language addressing reclamation standards, specifically, California Code Regulations, Title 22 requirements (Attachments G of the Order).

Receiving Water Limitations: Staff updated language addressing receiving water limitations in the order to be consistent with the *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (State Implementation Policy or SIP) amended on February 24, 2005 (Section V.A. of the Order).

Reclamation Monitoring: Staff included monitoring requirements for reclaimed water use in anticipation for the Discharges use of tertiary treated water for irrigation (Attachment H of the Order).

CHANGES IN RESPONSE TO WRITTEN COMMENTS

The City of San Juan Bautista and the California Department of Public Health submitted comments during the public comment period. They focused their comments on the August 2008 Engineering Report on the Production, Distribution, and Use of Recycled Water for the City of San Juan Bautista. Water Board staff provides these comments along with Water Board staff's comments and responses in Attachment 2. The Water Board did not receive any comments regarding Order No. R3-2009-0019 from the California Department of Public Health, the City of San Juan Bautista, or any other interested party. Water Board staff provides a copy of the original comment letters from the California Department of Public Health and City of San Juan Bautista in Attachments 3 and 4.

RECOMMENDATION

Adopt Order R3-2009-0019 as proposed.

ATTACHMENTS

1. Waste Discharge Requirements, NPDES Order No. R3-2009-0019 and the following associated attachments:
 - Attachment A – Definitions
 - Attachment B – Site Map
 - Attachment C – Flow Schematic
 - Attachment D – Standard Provisions
 - Attachment E – Monitoring and Reporting Program
 - Attachment F – Fact Sheet
 - Attachment G – Reclamation Requirements
 - Attachment H – Reclamation Monitoring and Reporting Requirements
2. Response to Comments
3. California Department of Public Health Comment Letter
4. City of San Juan Bautista Comment Letter