



Central Valley Regional Water Quality Control Board

14 June 2024

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**NOTICE OF APPLICABILITY
WATER QUALITY ORDER 2003-0003-DWQ
STATEWIDE WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES TO LAND
WITH A LOW THREAT TO WATER QUALITY
STANISLAUS REGIONAL WATER AUTHORITY, REGIONAL SURFACE WATER
SUPPLY PROJECT,
STANISLAUS COUNTY**

On 19 March 2024, Jacobs Engineering Group, Inc., on behalf of Stanislaus Regional Water Authority (SRWA) (hereafter Dischargers) submitted a Notice of Intent (NOI) to obtain coverage under Water Quality Order 2003-0003-DWQ, *Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality* (hereafter General Order) for discharge of excess treated drinking water to the facility Stormwater Retention Pond in Hughson, California. The submittal included a completed NOI, Form 200, and a Discharge Monitoring Plan (DMP). An application fee was received on 07 June 2024.

The submittal contains all the information required to evaluate applicability of the General Order; therefore, the NOI is considered complete. Based on the information provided in the NOI, the discharge meets the conditions of the General Order. The discharge is hereby covered under State Water Resources Control Board General **Order 2003-0003-DWQ-0246**. Please include this number on all correspondence related to this discharge. A copy of the General Order is enclosed with this notice and is also available at the Central Valley Regional Water Quality Control Board (Central Valley Water Board) [Adopted Orders Website](https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0003.pdf) (https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0003.pdf).

MARK BRADFORD, CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

PROJECT LOCATION AND DESCRIPTION

The Stanislaus Regional Water Authority (SRWA), a Joint Powers Authority (JPA) between the City of Ceres and the City of Turlock, was formed to implement the Regional Surface Water Supply Project (RSWSP) located near the City of Hughson in Stanislaus County. The RSWSP supplies treated surface water from the Tuolumne River to replace reliance on using groundwater as the drinking water supply for the Cities of Ceres and Turlock. The RSWSP is operational as of late 2023. The RSWSP delivers 15 million gallons per day (mgd) through an intake located to the East of the City of Hughson and conveys it to a new Water Treatment Plant (WTP). The WTP serves the Cities of Ceres and Turlock via two Finished Water Transmission Mains (FWTMs). A site overview is provided in **Attachment A**.

The influent water treatment process for the RSWSP includes clarification (i.e., coagulation, flocculation, and sedimentation) using an aluminum-based coagulant, intermediate ozonation, dual-media filtration through granular activated carbon (GAC)/sand biologically active filters, final disinfection with free chlorine, and finished water stabilization. For the initial 15 mgd Reference WTP, flow through the coagulation/flocculation/sedimentation process is split into two parallel trains, each designed to handle 50% of the plant flow. At this point in the process train the flow is greater than the finished water flow because recycle streams (e.g., filter-to-waste, coagulated/settled backwash waste) are returned to the head of the plant.

As part of the newly constructed facility and drinking water conveyance system, the new surface water treatment plant includes a covered finished water clearwell. The clearwell serves as finished drinking water storage before the water is transferred to water transmission mains that deliver water to Ceres and Turlock. To maintain the feature's structural integrity, an emergency overflow port has been installed to relieve the clearwell during high volume flows. The clearwell has a weir internal to the tank that flows into a box, and that box has a 36-inch pipe through the tank wall with a screen and flap valve. The overflow discharges above grade to an apron on the exterior of the tank and is routed to an unlined stormwater retention pond in the event of an overflow (overflow estimated to be about 225,000 gallons). The operating volume of the clearwell is 5.25-million gallons. Discharges from the outfall are anticipated to only take place during an emergency event and only after alarm systems fail.

The Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fourth Edition, revised October 2011 (hereafter Basin Plan), designates beneficial uses, establishes water quality objectives, contains implementation plans and policies for protecting waters of the basin, and incorporates by reference plans and policies adopted by the State Water Resources Control Board. Pursuant to §13263(a) of the California Water Code (CWC), waste discharge requirements must implement the Basin Plan.

FACILITY-SPECIFIC REQUIREMENTS

The General Order and this Notice of Applicability (NOA) regulates discharge of treated drinking water to the facility Stormwater Retention Pond for SRWA Regional Surface Water Supply Project.

1. Discharges shall be disposed of as described in the NOI, DMP, and in accordance with the requirements contained in the General Order.
2. Discharges at a location or in a manner different from that described in the NOI or this NOA are prohibited.
3. All technical reports required herein that involve evaluation, or other work requiring interpretation and proper application of engineering or geologic sciences, shall be prepared by or under the direction of persons registered to practice in California pursuant to California Business and Professions Code, section 6735, 7835, and 7835.1. As required by these laws, completed technical reports must bear the signature(s) and seal(s) of the registered professional(s) in a manner such that all work can be clearly attributed to the professional responsible for the work.
4. Sampling, monitoring, and reporting requirements shall be in accordance with the General Order's Monitoring and Reporting Program and your DMP. Monitoring shall include the approximate volume of discharge at each discharge location and date of each discharge. For construction dewatering projects, monitoring results shall be submitted on a semi-annual basis in accordance with the General Order's Monitoring and Reporting Program.
5. The Discharger shall submit the required annual fee (as specified in the annual billing issued by the State Water Resources Control Board) until the Notice of Applicability is officially terminated.
6. Failure to abide by the conditions of the General Order, including its monitoring and reporting requirements, and this letter authorizing applicability could result in enforcement actions, as authorized by provisions of the California Water Code.

DOCUMENT SUBMITTALS

All monitoring reports and other correspondence should be converted to searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to: centralvalleysacramento@waterboards.ca.gov

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or any documentation submitted to the mailing address for this office:

Facility Name: Stanislaus County

Program: Non-15 Compliance
Order: 2003-0003-DWQ-0246
CIWQS Place ID: 887625

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to:

Central Valley Regional Water Quality Control Board
ECM Mailroom
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670

Now that the NOA has been issued, the Board's Compliance and Enforcement section will take over management of your case. Guy Childs is your new point of contact for any questions about compliance with the Order. In addition, all monitoring and technical reports should be submitted to him. The enclosed transmittal sheet shall be included with each monitoring report. If you find it necessary to make a change to your permitted operations, Guy will direct you to the appropriate Permitting staff. You may contact Guy at (916) 464-4648 or guy.childs@waterboards.ca.gov.

for Patrick Pulupa
Executive Officer

Enclosure:

Attachment A, Process Flow Diagram
Water Quality Order No. 2003-0003-DWQ (Discharger only)
Monitoring Report Submittal Transmittal Form (Discharger only)

Cc without enclosure:

Stanislaus County Environmental Health Department, Modesto
Matthew Franck, Jacobs Engineering Group, Inc., Sacramento (email)
Howard Hold, CVWQCB, Rancho Cordova (email)
Guy Childs, CVWQCB, Rancho Cordova (email)

ATTACHMENT A



Source:
Notice of Intent (2024)

Process Flow Diagram
SRWA Regional Surface Water Supply Project
Stanislaus County