



CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

06 October 2021

Tesla Treatment Facility
Angela Cheung
1000 El Camino Real
Millbrae, CA 94030

CERTIFIED MAIL
7020-1810-0002-0569-5680

**NOTICE OF APPLICABILITY
WATER QUALITY ORDER 2003-0003-DWQ
STATEWIDE WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES TO LAND
WITH A LOW THREAT TO WATER QUALITY
SAN FRANCISCO PUBLIC UTILITIES COMMISSION
TESLA TREATMENT FACILITY,
SAN JOAQUIN COUNTY**

On 16 September 2021, San Francisco Public Utilities Commission 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 discharges from the Tesla Treatment Facility. 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-0223. Please include this number on all correspondence related to this discharge.

PROJECT LOCATION AND DESCRIPTION

The Tesla Treatment Facility (Facility) is located at 9000 West Vernalis Road, Tracy in San Joaquin County, as shown on Attachment A. This is an existing Facility that has not been previously regulated. The Facility is a drinking water treatment plant that uses ultraviolet (UV) light and chlorine to disinfect water from the Hetch Hetchy water supply system. The Tesla Treatment Facility supplies drinking water to 2.7 million water users in the San Francisco Bay Area. The Facility consists of UV reactors, chlorine storage and feed system, two low lying basins that capture storm water and Hetch Hetchy raw water from different points in the treatment process, and artificial wetlands.

As part of routine operation and maintenance activities for the Facility, raw water (clean) is discharged to two man-made low-lying percolation basins (Grit Ponds # 1 and 2). Grit Pond #1, located southeast of the Facility, receives discharged water from sample analyzers and raw water backwash, and has an estimated capacity of 135,000 gallons. Approximately 1,320 gallons per day are discharged intermittently to Grit Pond #1. If needed, any overflow can be directed to the artificial wetland. As described in the NOI, the wetland is an artificial wetland, verified by the U.S. Army Corps of Engineers in 2001 as a non-jurisdictional feature. The artificial wetland is approximately 2.5 acres and consists mostly of grass and bare dirt.

Grit Pond #2 has a capacity of approximately 25,800 gallons and receives daily grit backwash/flushing of fresh water received from the Hetch Hetchy Reservoir. The pond was designed to overflow to the artificial wetland just east of the grit pond, where it percolates and evaporates, as shown on Attachment A. Approximately 25,800 gallons per day are discharged as needed to Grit Pond #2.

Both ponds are inspected daily and are maintained by removing plants and accumulated grit as necessary to facilitate evaporation and percolation. Visual observations have not identified any discharged water leaving Facility property and no objectionable odors have been reported.

As part of the NOI, the Discharger submitted a water balance for a 100-year, 24-hour storm event and a 100-year, 30-day storm event, signed and stamped by a Registered Professional Engineer. For both evaluations, the ponds and the wetland areas have sufficient capacity to manage wastewater discharged from the Facility and storm water.

The Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fifth Edition, revised May 2018 (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 regulates discharges from the Telsa Treatment Facility.

1. Wastewater shall be disposed of as described in the Notice of Intent and in accordance with the requirements contained in the General Order. If UV bulb breakage occurs, the Discharger is required to follow their Mercury Response Standard Operating Procedures and notify the Central Valley Water Board of the breakage within **24 hours**.
2. Discharging at a location or in a manner different from that described in the Notice of Intent or this Notice of Applicability is 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. Monitoring results shall be submitted on a semi-annual basis in accordance the General Order's Monitoring and Reporting Program. For the January through June reporting period, the monitoring report is due August 15. For the July through December reporting period, the monitoring report is due February 15.

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: Feather River Bridge Project, Yuba County		
Program: Non-15 Compliance	Order: 2003-0003-DWQ-0223	CIWQS Place ID: 876491

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

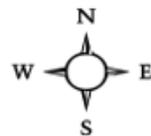
Now that the NOA has been issued, the Board's Compliance and Enforcement section will take over management of your case. Brendan Kenny is your new point of contact for any questions about the Order. In addition, all monitoring and technical reports should be submitted to him. The enclosed transmittal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

For PATRICK PULUPA
Executive Officer



Enclosures: Water Quality Order No. 2003-0003-DWQ
Attachment A: Site Location Map

cc w/o enc: San Joaquin Environmental Health Department, Stockton



1,000 feet

Note: All site features are approximately located.

SITE LOCATION MAP
TESLA TREATMENT FACILITY
SAN JOAQUIN COUNTY