



Central Valley Regional Water Quality Control Board

ECS - Received

27 September 2024

OCT 09 2024

Chandra Johannesson
East Bay Municipal Utility District
375 11th Street
Oakland, CA 94607

CERTIFIED MAIL
7022-2410-0001-5093-9913

NOTICE OF APPLICABILITY

**CENTRAL VALLEY WATER BOARD RESOLUTION R5-2023-0061, WAIVER OF WASTE DISCHARGE REQUIREMENTS (WDRS), REPORTS OF WASTE DISCHARGE (RWDS), AND/OR WATER RECYCLING REQUIREMENTS (WRRS) FOR SPECIFIC TYPES OF DISCHARGE WITHIN THE CENTRAL VALLEY REGION
EAST BAY MUNICIPAL UTILITY DISTRICT
PARDEE CENTER WATER TREATMENT PLANT
CALAVERAS COUNTY**

On 18 May 2023, East Bay Municipal Utility District (EBMUD, Discharger) submitted a Report of Waste Discharge (RWD) to obtain coverage under Resolution R5-2023-0061, *Waiver of Waste Discharge Requirements (WDRs), Reports of Waste Discharge (RWD), and/or Water Recycling Requirements (WRRS) for Specific Types of Discharge Within The Central Valley Region (Low Threat Waiver or Waiver)* for discharge of filter backwash water to land from Pardee Center Water Treatment Plant (the WTP). Based on the information provided in the RWD, the discharge meets the conditions of the Low Threat Waiver. The discharge is hereby covered under the Waiver and assigned enrollee number R5-2023-0061-0025. Please include this number in all correspondence related to this discharge. In accordance with the requirements in Attachment A of the Low Threat Waiver, this NOA is accompanied by Monitoring and Reporting Program (MRP) R5-2023-0061-0025 to ensure compliance with the conditions in the Low Threat Waiver. This MRP was developed after consideration of your waste characterization and disposal practices described in the RWD. A copy of the [Low Threat Waiver](#) is enclosed and also available on the Central Valley Regional Water Quality Control Board's website (https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/waivers/r5-2023-0061.pdf).

REGULATORY BACKGROUND

The WTP is owned and operated by EBMUD. The Discharger states that the discharge of the WTP's filter backwash water was previously regulated under General National Pollutant Discharge Elimination System (NPDES) Order 5-00-175, *Dewatering and Other Low Threat*

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

Discharges to Surface Waters, which expired on 9 December 2008. Although the discharge was regulated under the NPDES General order, the RWD states that no discharges to surface water (Pardee Reservoir) have been observed for at least 15 years. The Discharger has made modifications allowing discharge of backwash water to the onsite leachfield. Therefore, it is appropriate that discharge should be regulated under Low Threat Waiver R5-2023-0061.

PROJECT DESCRIPTION

The WTP is a small drinking water system, serving Pardee Center Campus for EBMUD employees and visitors. The Pardee Center Campus consists of administrative offices, a conference hall with a lodge (accommodating up to 29 people), three employee permanent homes, maintenance, repair, and storage facilities for fleet and heavy equipment, in addition to a small warehouse. About 42 employees permanently work at the location. The WTP is located at the Pardee Center Campus site, on the west side of Pardee Reservoir. The address is 3535 Sandretto Road, Valley Springs, Calaveras County. The Assessor's Parcel Number is 016-001-011-000. The WTP location is shown on Attachment A, which is attached hereto and made part of this NOA by reference.

The water source for the WTP is from Pardee Reservoir. Average daily potable water production is about 1,500 gallons with peak production ranging from 2,500 to 3,000 gallons per day (gpd).

The WTP includes in a 25,000-gallon raw water storage tank, two prefilter systems, a nanofiltration system, chemical feed systems, a 14,000-gallon potable water storage tank, and a 465-square feet leach field. In addition, there is an onsite storage pond which was previously used in case of emergency overflow conditions. The Discharger will not use the pond for emergency storage because the leach field has adequate disposal capacity. Backwash water will be directly discharged to leach field without use of the pond. In the future, the pond will contain stormwater only for wildlife breeding. A site plan is attached as Attachment B, which is attached hereto and made part of this NOA by reference.

As part of routine maintenance for the water treatment system, the prefilter and nanofiltration systems are backwashed with rejected water generated from treatment of the raw water through the nanofiltration system. The backwash discharge consists of two comingled waste streams, including: "reject" water generated from treatment of the raw water through the nanofiltration system and water quality analyzer water generated from potable and raw water sources. From June 2022 through August 31, 2022, the average backwash water flow rate was 1,670 gpd. The Discharger states that the capacity of the leach field is 2,620 gpd and the leach field has an adequate disposal capacity for the average daily flow.

To characterize the raw source water and the WTP's backwash discharge, samples were collected on 15 February 2023, and 1 March 2023. The average concentrations are summarized in the following table compared with applicable Water Quality Objectives for the constituents of concern.

Constituent	Units	Untreated Raw Water	Backwash Water	Water Quality Objective
Electrical Conductivity (EC)	µmhos/cm	55.5	145	900, see note 2
Nitrate as Nitrogen	mg/L	0.11	0.15	10, see note 1
Sodium	mg/L	2.0	14.85	69, see note 3
Chloride	mg/L	1.85	13.5	250, see note 2
Iron, dissolved	µg/L	39.45	46.7	300, see note 2
Manganese, dissolved	µg/L	1.03	8.35	50, see note 2
Arsenic	µg/L	0.33	0.74	10, see note 1

Note:

1. Primary Maximum Contaminant Level.
2. Secondary Maximum Contaminant Level.
3. Agricultural Water Quality Goal.

Based on the sampling results, the discharge of backwash water is unlikely to cause exceedances of water quality objectives. Therefore, the discharge of backwash water complies with the terms and conditions in the Low Threat Waiver.

FACILITY-SPECIFIC REQUIREMENTS

1. Discharge of filter backwash water shall be conducted as described in this NOA and in accordance with the requirements contained in the Low Threat Waiver.
2. Discharge of filtered backwash water at a location or in a manner different from that described in this NOA is prohibited.
3. Discharge of filter backwash water shall be contained and disposed of onsite.
4. The Discharger shall notify the Central Valley Water Board of any change in agreement or proposed use of the discharge of backwash water as described in the RWD and this NOA.
5. The Discharger shall comply with the attached Monitoring and Reporting Program (MRP) R5-2023-0061-0025.
6. Failure to abide by the conditions of this NOA, attached MRP R5-2023-0061-0025, and the Low Threat Waiver, could result in enforcement actions, as authorized by provisions of the California Water Code.

DOCUMENT SUBMITTAL

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.

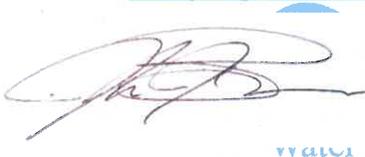
To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or any documentation submitted to the mailing address for this office:

Facility Name: Pardee Center Water Treatment Plant
Program: Non-15 Compliance
Order: R5-2023-0061-0025
CIWQS Place ID: CW-889138

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. Kenny Croyle is your new point of contact for any questions about the Waiver. If you find it necessary to make a change to your permitted operations, Kenny will direct you to the appropriate Permitting staff. You may contact Kenny at (916) 464-4676 or at kcroyle@waterboards.ca.gov.

 Digitally signed by John J.
Baum
Date: 2024.09.27 16:58:46
-07'00'

for Patrick Pulupa
Executive Officer

Enclosures: Monitoring and Reporting Program R5-2023-0061-0025
Low Threat Waiver R5-2023-0061 (Discharger Only)

cc: Calaveras County Environmental Health Department
Howard Hold, Central Valley Water Board, Rancho Cordova



<p>Drawing Reference: Report of Waste Discharge, East Bay Municipal Utility District, May 2023</p>	<p>SITE LOCATION MAP</p> <p>EAST BAY MUNICIPAL UTILITY DISTRICT PARDEE CENTER WATER TREATMENT PLANT</p>	 <p>No Scale</p>
--	---	---



Drawing Reference:

Report of Waste Discharge,
East Bay Municipal Utility
District, May 2023

SITE PLAN

**EAST BAY MUNICIPAL UTILITY DISTRICT
PARDEE CENTER WATER TREATMENT PLANT**



No Scale

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION
MONITORING AND REPORTING PROGRAM R5-2023-0061-0025
FOR
EAST BAY MUNICIPAL UTILITY DISTRICT
PARDEE CENTER WATER TREATMENT PLANT
CALAVERAS COUNTY**

This Monitoring and Reporting Program (MRP) describes monitoring requirements for the Pardee Center Water Treatment Plant. This MRP is issued pursuant to Water Code section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) or Executive Officer.

Water Code section 13267 states, in part:

“In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.”

Water Code section 13268 states, in part:

“(a) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of section 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in accordance with subdivision (b).

(b)(1) Civil liability may be administratively imposed by a regional board in accordance with article 2.5 (commencing with section 13323) of chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs.”

The East Bay Municipal Utility District operates the water system that is subject to the Notice of Applicability (NOA) of Order R5-2023-0061-0025. The reports required in this MRP are necessary to ensure that the Discharger complies with the NOA and Resolution R5-2023-0061, *Waiver of Waste Discharge Requirements (WDRs), Reports*

EAST BAY MUNICIPAL UTILITY DISTRICT
PARDEE CENTER WATER TREATMENT PLANT
CALAVERAS COUNTY

of Waste Discharge (RWD), and/or Water Recycling Requirements (WRRS) for Specific Types of Discharge Within the Central Valley Region (Low Threat Waiver or Waiver).

Pursuant to Water Code section 13267, the Discharger shall implement this MRP and shall submit the monitoring reports described herein.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The name of the sampler, sample type (grab or composite), time, date, location, bottle type, and any preservative used for each sample shall be recorded on the sample chain of custody form. The chain of custody form must also contain all custody information including date, time, and to whom samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Central Valley Water Board staff.

Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that they are used by a State Water Resources Control Board, Environmental Laboratory Accreditation Program certified laboratory, or:

1. The user is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency, and
4. Field calibration reports are maintained and available for at least three years.

Analytical procedures shall comply with the methods and holding times specified in the following: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater (EPA); Test Methods for Evaluating Solid Waste (EPA); Methods for Chemical Analysis of Water and Wastes (EPA); Methods for Determination of Inorganic Substances in Environmental Samples (EPA), and Standard Methods for the Examination of Water and Wastewater (APHA/AWWA/WEF). Approved editions shall be those that are approved for use by the United States Environmental Protection Agency or the California Department of Public Health's Environmental Laboratory Accreditation Program. The Discharger may propose alternative methods for approval by the Executive Officer. Where technically feasible, laboratory reporting limits shall be lower than the applicable water quality objectives for the constituents to be analyzed.

EFFLUENT MONITORING

Samples of effluent shall be collected downstream from the last connection through which wastes can be admitted into the leach field. At a minimum, effluent monitoring shall consist of the following:

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Monthly Average and Monthly Total Flow	gpd/gallon	Calculated	Monthly	Annually
pH	Standard Units	Grab	Annually	Annually
Electrical Conductivity	µmhos/cm	Grab	Annually	Annually
Standard Minerals	mg/L	Grab	Annually	Annually

Note: Standard minerals shall include, at a minimum, the following elements and compounds: arsenic, boron, calcium, chloride, dissolved iron, magnesium, dissolved manganese, potassium, nitrate as nitrogen, sodium, sulfate, TDS, total alkalinity (including alkalinity series), and hardness.

LEACHFIELD MONITORING

All leachfield system facilities shall be inspected on a monthly basis. Observations made during these inspections shall be recorded on a monthly basis.

Inspections of the leachfield system facilities shall be comprised of a physical evaluation of the disposal site area to determine whether waste is being contained beneath the ground surface. The ground in the immediate vicinity and surrounding the disposal site shall be inspected to determine the presence of effluent on the ground surface.

A written report of the conditions observed for the system shall be prepared following each inspection and submitted with the annual monitoring report. Evidence of surfacing wastewater, erosion, vectors or animal burrowing, field saturation, runoff, or the presence of nuisance odor conditions shall be noted in the report. The report shall identify any maintenance work necessary on the physical aspects of the system.

REPORTING

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

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

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

MONITORING AND REPORTING REQUIREMENTS R5-2023-0061-0025
EAST BAY MUNICIPAL UTILITY DISTRICT
PARDEE CENTER WATER TREATMENT PLANT
CALAVERAS COUNTY

- 4 -

To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any correspondence used to transmit documents to this office:

Facility Name: Pardee Center Water Treatment Plant
Program: Non-15 Compliance
Order: R5-2023-0061-0025
CIWQS Place ID: CW-889138

In accordance with California Business and Professions Code sections 6735, 7835, and 7835.1, engineering and geologic evaluations and judgments shall be performed by or under the direction of registered professionals competent and proficient in the fields pertinent to the required activities. All technical reports specified herein that contain workplans for investigations and studies, that describe the conduct of investigations and studies, or that contain technical conclusions and recommendations concerning engineering and geology shall be prepared by or under the direction of appropriately qualified professional(s), even if not explicitly stated. Each technical report submitted by the Discharger shall bear the professional's signature and stamp.

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with the NOA and Low Threat Waiver and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported in the next scheduled monitoring report.

In addition to the requirements of Standard Provision C.3, monitoring information shall include the method detection limit (MDL) and the Reporting limit (RL) or practical quantitation limit (PQL). If the regulatory limit for a given constituent is less than the RL (or PQL), then any analytical results for that constituent that are below the RL (or PQL) but above the MDL shall be reported and flagged as estimated.

If violations occur, the Discharger shall notify the Central Valley Water Board within 10 business days after receiving the analytical laboratory reports.

A. Annual Report

The Annual Report shall be submitted to the Central Valley Water Board by **1 February** each year. The Annual Report shall include the following:

1. The results from annual monitoring of the effluent;
2. Monthly and annual average and total effluent flow rates;
3. The results of monitoring leachfield required by the disposal facility;

MONITORING AND REPORTING REQUIREMENTS R5-2023-0061-0025
EAST BAY MUNICIPAL UTILITY DISTRICT
PARDEE CENTER WATER TREATMENT PLANT
CALAVERAS COUNTY

- 5 -

4. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the NOA and the Low Threat Waiver;
5. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program, and
6. Tabular and graphical summaries of all data collected during the year.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory.

The transmittal letter shall contain the penalty of perjury statement by the Discharger, or the Discharger's authorized agent, as described in the Standard Provisions General Reporting Requirements Section B.3.

The Discharger shall begin implementing the above monitoring program the first day of the month following issuance of Order R5-2023-0061-0025.

This Order is issued under authority delegated to the Executive Officer by the Central Valley Water Board pursuant to Resolution R5-2018-0057 and is effective upon signature.

Ordered by:



Digitally signed by
John J. Baum
Date: 2024.09.27
17:00:57 -07'00'

Water Boards

for PATRICK PULUPA,
Executive Officer

Monitoring Report Submittal Transmittal Form

Attn: Kenny Croyle (916) 464-4676
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

Discharger: East Bay Mud
Name of Facility: Pardee WTP
WDRs Order Number: R5-2023-0061-0025
CIWQS Place ID: 889138
County: El Dorado

I am hereby submitting to the Central Valley Water Board the following information:

Check all that apply:

Monthly Monitoring Report for the month of _____

1st / 2nd / 3rd / 4th (circle one) Quarterly Monitoring Report for the year of _____

1st / 2nd (circle one) Semi-annual Monitoring Report for the year _____

Annual Monitoring Report for the year _____

Violation Notification

During the monitoring period, there were / were not (circle one) any violations of the WDRs.

1. The violations were:

2. Have the violations been corrected? Yes / No. If no, what will be done to correct the violations:

Certification Statement

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Signature: _____ Phone: _____

Printed Name: _____ Date: _____

