

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION
MONITORING AND REPORTING PROGRAM WQ 2014-0153-DWQ-R5381
FOR
U.S. ARMY CORPS OF ENGINEERS
NEW HOGAN LAKE RECREATIONAL AREAS
CALAVERAS COUNTY

This Monitoring and Reporting Program (MRP) describes monitoring requirements for the wastewater treatment facilities at the U.S. Army Corps of Engineers New Hogan Lake Fiddleneck Day Use Area and Acorn Campground. 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 the 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 U.S. Army Corps of Engineers owns and operates the facility that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5381. The reports required under this MRP are necessary to ensure that the Discharger complies with the NOA and General Order.

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 (State 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); Standard Methods for the Examination of Water and Wastewater (APHA/AWWA/WEF); and Soil, Plant and Water Reference Methods for the Western Region (WREP 125). 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.

SEPTIC TANK MONITORING

Septic tanks shall be inspected and/or pumped at least as frequently as described below. Inspections of sludge and scum depth are not required if the tanks are pumped at least annually.

Parameter	Units	Measurement Type	Inspection/Reporting Frequency
Sludge depth and scum thickness in each compartment of each tank	Feet	Staff Gauge	Annually
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	Annually
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Annually
Effluent filter condition (if equipped, clean as needed)	Not Applicable	Not Applicable	Annually

Septic tanks shall be pumped when any one of the following conditions exists:

1. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment.
2. The scum layer is within 3 inches of the outlet device.
3. The sludge layer is within 8 inches of the outlet device.

If a septic tank is pumped during the year, the pumping report shall be submitted with the annual report. All pumping reports shall be submitted with the next regularly scheduled monitoring report. At a minimum, the record shall include the date, nature of service, service company name, and service company license number.

Septic tank integrity testing for all septic tanks shall be conducted every five years. The integrity test report should be included in an annual report with an engineer stamp.

EFFLUENT MONITORING

Samples of effluent from septic tanks shall be collected in the evaporation ponds. Effluent flow entering the evaporation ponds may be metered or estimated based on potable water supply meter readings or other methods. At a minimum, effluent monitoring shall consist of the following:

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Flow Rate	gpd	Metered or Estimate	Annually	Annually
BOD ₅	mg/L	Grab	Semi-annually	Semi-annually
Electrical Conductivity	µmhos/cm	Grab	Semi-annually	Semi-annually
Nitrate a Nitrogen	mg/L	Grab	Semi-annually	Semi-annually
Total Kjeldahl Nitrogen	mg/L	Grab	Semi-annually	Semi-annually
Ammonia	mg/L	Grab	Semi-annually	Semi-annually

Notes: BOD₅ presents five -day biochemical oxygen demand.

POND MONITORING

Each pond shall be monitored as follows. If the pond(s) is empty on the scheduled monitoring date, the Discharger shall report the freeboard monitoring result as "dry".

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Dissolved Oxygen	mg/L	Grab	Monthly	Semi-annually
Freeboard	0.1 feet	Measurement	Monthly	Semi-annually
Odors	--	Observation	Monthly	Semi-annually
Levee Condition	--	Observation	Monthly	Semi-annually
Liner Condition	--	Observation	Monthly	Semi-annually

Samples shall be collected at a depth of one foot, opposite the inlet. Pond liners shall be observed for leakage. The Discharger shall maintain the integrity of all pond liners and repair all significant leaks as needed. Containment levees shall be observed for signs of seepage or surfacing water along the exterior toe of the levees.

SLUDGE AND SOLID WASTE MONITORING

The Discharger shall report the handling and disposal of all solids (e.g., screenings, grit, sludge, biosolids, etc.) generated at the wastewater system. Records shall include the name/contact information for the hauling company, the type and amount of waste transported, the date removed from the wastewater system, the disposal facility name and address, and copies of analytical data required by the entity accepting the waste. These records shall be submitted as part of the annual monitoring report.

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

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: New Hogan Lake Recreational Areas
Program: Non-15 Compliance
Order: WQ 2014-0153-DWQ-R5381
CIWQS Place ID: CW-244186

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, pond, 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 General Order 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. Semi-annual Monitoring Reports

The Discharger shall establish a semi-annual sampling schedule for effluent monitoring such that samples are obtained approximately every six months. Semi-Annual Monitoring Reports shall be submitted to the Central Valley Water Board by the 1st day of February and August. The Semi-Annual Monitoring Reports shall include the following:

1. Results of effluent and pond monitoring;
2. Copies of inspection logs;
3. Copies of laboratory analytical report(s);

4. A comparison of the monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format, and
5. A calibration log verifying calibration of all handheld monitoring instruments and devices used to comply with the prescribed monitoring program.

B. 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. Results of septic tank, flow rate and sludge and solid waste monitoring;
2. A description of all sampling locations per each monitoring event and reasons for any deviation thereof;
3. The septic tank integrity test report with an engineer's stamp if the testing is conducted during the year;
4. The Discharger shall certify in the first annual report that the RV chemical prohibition notification (discussed in the NOA) has been posted onsite;
5. A discussion of compliance and any corrective action taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the NOA and General Order;
6. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program;
7. Monitoring equipment maintenance and calibration records shall be maintained by the Discharger and provided upon request by the Central Valley Water Board. Calibration records shall verify calibration of all handheld monitoring instruments and devices used to comply with the prescribed monitoring program.
8. A discussion of the following:
 - a. Waste constituent reduction efforts implemented in accordance with any required workplan.
 - b. Other treatment or control measures implemented during the calendar year either voluntarily or pursuant to the NOA, this MRP, or any other Order.
 - c. Based on monitoring data, an evaluation of the effectiveness of the treatment or control measures implemented to date.
 - d. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring network or reporting program.

9. Tabular and graphical summaries of all data collected during the year, and
10. A copy of the certification for each certified wastewater treatment plant operator working at the facility and a statement about whether the Discharger is in compliance with Title 23, CCR, Division 3, Chapter 26.

C. State Water Board Volumetric Annual Reporting

To establish a realistic estimate of statewide recycled water use and potential for increased recycled water use statewide, the Recycled Water Policy requires domestic wastewater dischargers to report the volume of treated wastewater and recycled water. The annual report will meet implementation needs of the Recycled Water Policy and fill data gaps for additional statewide water planning efforts. Based on current effluent flows of less than 20,000 gallons per day, the Discharger is not required to submit volumetric annual reporting at this time.

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 on the first day of the month following revocation of WDRs Order 98-075.

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: *Original Digitally Signed by John J. Baum on
Date: 2022.12.12 21:37:21-08'00'*

for PATRICK PULUPA, Executive Officer

12/12/ 2022

(Date)