

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION
MONITORING AND REPORTING PROGRAM WQ 2014-0153-DWQ-R5299
FOR

SUTTER COUNTY WATERWORKS DISTRICT NO. 1
ROBBINS WWTF
SUTTER COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system at the Robbins WWTF. 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 Robbins WWTF discharge is regulated by the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5299 and is owned and operated by Sutter County Waterworks District No. 1. Pursuant to Water Code section 13267, the

Discharger shall implement this MRP and submit the monitoring reports described herein. The reports are necessary to ensure that the Discharger complies with the NOA and General Order.

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.

Influent Flow Monitoring

Influent flow shall be monitored upstream of the treatment system at the location shown in Attachment B as specified below.

Table 1. Flow Monitoring

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
Average Daily Influent Flow	MGD	Meter Observation	Daily	Annually

Effluent Monitoring

Effluent samples shall be collected just prior to discharge into the wastewater ponds. A grab sample will be considered to be representative of the effluent. At a minimum, the Discharger shall monitor effluent as specified below.

Table 2. Effluent Sampling

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
BOD5	mg/L	Grab	Monthly	Annually
Total Nitrogen	mg/L	Grab	Monthly	Annually
Electrical Conductivity	µmhos/cm	Grab	Monthly	Annually

Pond Monitoring

The Discharger shall monitor each pond as specified below.

Table 3. Pond Monitoring Requirements

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
Freeboard	0.1 feet	Staff Gage	Weekly	Annually
Berm Condition	--	Observation	Weekly	Annually
Odors	--	Observation	Weekly	Annually
Dissolved Oxygen	mg/L	Grab	Monthly	Annually

Solids Disposal 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.

Groundwater Monitoring

Groundwater monitoring wells MW-1 through MW-4 shall be monitored according to the schedule below. Monitoring data and groundwater flow direction analysis shall be performed semiannually (twice per year) and shall be performed under the supervision of a California licensed civil engineer or geologist.

Table 4. Groundwater Monitoring

Parameter	Units	Sample Type	Sampling Frequency	Reporting Frequency
Groundwater Elevation	0.01 Feet	Calculated	Semiannually	Annually
Depth to Groundwater	0.01 Feet	Calculated	Semiannually	Annually
Gradient	Feet/Feet	Calculated	Semiannually	Annually
Gradient Direction	Degrees	Calculated	Semiannually	Annually
pH	Std. Units	Grab	Semiannually	Annually

Parameter	Units	Sample Type	Sampling Frequency	Reporting Frequency
Total Dissolved Solids	mg/L	Grab	Semiannually	Annually
Nitrate as Nitrogen	mg/L	Grab	Semiannually	Annually
TKN	mg/L	Grab	Semiannually	Annually
Sodium	mg/L	Grab	Semiannually	Annually
Electrical Conductivity	µmhos/cm	Grab	Semiannually	Annually
Total Coliform Organisms	MPN/100 mL	Grab	Semiannually	Annually
Standard Minerals (see Table Note)	Mg/L	Grab	Annually	Annually

Table Note: Standard minerals shall include, at a minimum, sodium, chloride, sulfate, arsenic, manganese, iron, alkalinity (including alkalinity series), and hardness. Samples for metals shall be filtered prior to preservation and digestions using a 0.45-micron filter.

Reporting

All monitoring reports 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 submittal is routed to the appropriate staff person, the following information should be included in the body of the email or transmittal sheet:

Attention: Non-15 Compliance
 Facility Name: Robbins WWTF
 Order: 2014-0153-DWQ-R5299
 Place ID: 253008

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, solids, etc.), and reported analytical or visual inspection results are readily discernible. The data shall be summarized to clearly illustrate compliance with the General Order and NOA 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 regularly scheduled monitoring report and shall be included in calculations as appropriate.

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. For a Discharger conducting any of its own analyses, reports must be signed and certified by the chief of the laboratory.

A. Annual Report

Annual Reports shall be submitted to the Regional Water Board by **February 1st following the monitoring year**. The Annual Report shall include the following:

1. Tabular and graphical summaries of all monitoring data collected during the year.
2. An evaluation of the performance of the wastewater treatment system, including discussion of capacity issues, nuisance conditions, system problems, and a forecast of the flows anticipated in the next year. A flow rate evaluation, as described in the General Order (Provision E.2.c), shall also be submitted if required.
3. A disclosure of any violations of the NOA and/or General Order requirements and an explanation of corrective actions. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into compliance with the NOA and/or General Order.
4. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
5. The name and contact information for the wastewater operator responsible for operation, maintenance, and system monitoring.
6. A groundwater monitoring report prepared by a California licensed professional. This report may be combined of the Annual Report or submitted separately. The report shall contain an analysis of groundwater data collected during the year. The analysis shall include a description of the sample events, copies of the field logs, purge method and volumes, groundwater elevations and trends, a groundwater elevation map for each sample event, summary tables showing results for parameters measured, comparison of groundwater quality parameters to standards in the NOA, chain-of-custody forms, calibration logs for field equipment used, and a general evaluation of any impacts the wastewater discharge is having on groundwater quality.
7. Copies of laboratory analytical report(s) and chain of custody form(s).

A letter transmitting the monitoring reports shall accompany each report. The letter shall report violations found during the reporting period, and actions taken or planned to correct the violations and prevent future violations. 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 implement the above monitoring program within 30 days following rescission of Order No. 96-137.

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.

for PATRICK PULUPA, Executive Officer

GLOSSARY

BOD	Five-day biochemical oxygen demand
DO	Dissolved oxygen
EC	Electrical conductivity at 25° C
TDS	Total dissolved solids
Daily	Every day except weekends or holidays.
Weekly	Once per week.
Monthly	Once per calendar month.
Annually	Once per year.
mg/L	Milligrams per liter
µmhos/cm	Micromhos per centimeter
gpd	Gallons per day
mgd	Million gallons per day
MPN/100 mL	Most probable number [of organisms] per 100 milliliters