

**STATE OF CALIFORNIA
LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD**

**REVISED MONITORING AND REPORTING PROGRAM NO. CI-3017
FOR
LOS ANGELES COUNTY, DEPARTMENT OF PUBLIC WORKS
TRANCAS WATER POLLUTION CONTROL PLANT**

FILE NO. 61-061

The revised Monitoring and Reporting Program (MRP) is issued pursuant to California Water Code section 13267, which authorizes the Regional Water Quality Control Board, Los Angeles Region (Regional Water Board) to require Los Angeles County, Department of Public Works (Discharger) to submit technical and monitoring reports. The reports required herein are necessary to assure compliance with waste discharge requirements (WDRs) Order No. R4-2023-XXXX and to protect the waters of the state and their beneficial uses. The evidence that supports the need for the reports is included in the WDRs and the Regional Water Board record.

I. SUBMITTAL OF REPORTS

1. The Discharger shall submit the following reports to the State Water Board GeoTracker database under Global ID WDR100018599 by the due dates listed in Table 1.
 - A. **Quarterly Self-Monitoring Reports (SMRs)** shall be received by the Regional Water Board by the 15th day of the second month following the end of each quarterly monitoring period according to Table 1. The first monitoring report under this program for the upgraded treatment plant shall be received by the Regional Water Board no later than **August 15, 2023**.

Table 1. Quarterly Monitoring Reporting Period and Due Date

Reporting Period	Reporting Due Date
January – March	May 15 th
April – June	August 15 th
July – September	November 15 th
October – December	February 15 th

Revised on June 22, 2023

B. Annual Summary Report shall be received by the Regional Water Board by February 15th of each year. The first Annual Summary Report under this program shall be received by the Regional Water Board no later than **February 15, 2024**.

If there is no discharge during any reporting period, the report shall state so.

2. The Dischargers shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including electronic data format (EDF) groundwater monitoring data (if applicable), discharge location data, and monitoring reports in portable Document Format (pdf) to the State Water Resources Control Board (State Board) GeoTracker database under Global ID WDR100018599.

II. MONITORING REQUIREMENTS

1. Monitoring shall be performed to determine compliance with the requirements of this Order and shall include, but not limited to, the following:
 - A. Sampling protocols (specified in 40 Code of Federal Regulations (CFR) Part 136 or American Water Works Association standards where appropriate) and chain of custody procedures.
 - B. Laboratory or laboratories that conducted the analyses. Include copy or copies of laboratory certifications by the State Board Environmental Laboratory Accreditation Program (ELAP) every year or when the Discharger changes their contract laboratory.
 - C. Analytical test methods used and the corresponding detection limits for purposes of reporting (DLR) for unregulated and regulated chemicals. For regulated chemicals, please see the State Board website at: <http://www.waterboards.ca.gov/drinkingwater/index.shtml>
 - D. Quality assurance and control measures.
2. The samples shall be analyzed using analytical methods described in 40 CFR Part 136. Where no methods are specified for a given pollutant by commercially available methods approved by the Regional Water Board and/or State Water Board, the Discharger shall select the analytical methods that provide the DLRs lower than the limits prescribed in this Order.
3. The Discharger shall instruct its laboratories to establish calibration standards so that the DLRs (or its equivalent if there is a different treatment of samples

relative to calibration standards) are the lowest. At no time shall the Discharger use analytical data derived from extrapolation beyond the lowest point of the calibration curve.

4. Upon request by the Discharger, the Regional Water Board, in consultation with the State Board Quality Assurance Program, may establish the DLRs in any of the following situations:
 - A. When the pollutant has no established method under 40 CFR 136 (revised May 14, 1999, or subsequent revision);
 - B. When the method under 40 CFR 136 for the pollutant has a DLR higher than the limit specified in this Order; or
 - C. When the Discharger agrees to use a test method that is more sensitive than those specified in 40 CFR Part 136 and is commercially available.
5. Samples of disinfected effluent must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All quality assurance and quality control (QA/QC) analyses must be run on the same dates when samples were actually analyzed. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Water Board staff. Proper chain of custody procedures must be followed and a copy of that documentation shall be submitted with the quarterly report.
6. For unregulated chemical analyses, the Discharger shall select analytical methods according to the following approach:
 - A. Use drinking water methods, if available;
 - B. Use State Water Board-recommended methods for unregulated chemicals, if available;
 - C. If there is no State Water Board-recommended drinking water method for a chemical, and more than a single Environmental Protection Agency (EPA)-approved method is available, use the most sensitive of the EPA-approved methods;
 - D. If there is no EPA-approved method for a chemical, and more than one method is available from the scientific literature and commercial laboratory, after consultation with State Water Board, use the most sensitive method;

- E. If no approved method is available for a specific chemical, the Discharger's laboratory may develop or use its own methods and should provide the analytical methods to the State Water Board for review. Those methods may be used until the State Water Board recommended or EPA-approved methods are available;
- F. If the only method available for a chemical is for wastewater analysis (e.g., a chemical listed as a priority pollutant only), use this method until the Discharger's laboratory develops a method for the chemical in drinking water, or until a State Water Board-recommended or EPA-approved drinking water method is available; and
- G. The Discharger is required to inform the Regional Water Board in the event that 6D, 6E, or 6F of the Monitoring Requirements is occurring.

III. REPORTING REQUIREMENTS

The Discharger shall submit all reports, shown in Section I SUBMITTAL OF REPORTS to the Regional Water Board by the dates indicated. All quarterly and annual monitoring reports shall contain a separate section titled "Summary of Non-Compliance", which discusses the compliance records and corrective actions taken or planned that may be needed to bring the effluent into full compliance with water discharge requirements. This section shall clearly list all non-compliance with the WDRs, as well as all excursions of effluent limitations.

1. Quarterly Self-Monitoring Reports (SMRs)

- A. The SMRs shall include, at a minimum, the following information:
 - a. The volume of the final effluent;
 - b. The date and time of sampling and analyses;
 - c. All analytical results of samples collected during the monitoring period of the final effluent and groundwater;
 - d. Records of any operational problems, plant upset and equipment breakdowns or malfunctions, and any discharge(s) of the final effluent;
 - e. Discussion of compliance, noncompliance, or violation of requirements; and

- f. All corrective or preventive action(s) taken or planned with schedule of implementation, if any.
- B. For reporting compliance with numerical limitations, analytical data shall be reported using the following reporting protocols.
 - a. Sample results greater than or equal to the DLRs must be reported “as measured” by the laboratory (i.e., the measured chemical concentration in the sample); or
 - b. Sample results less than the DLRs, but greater than or equal to the laboratory’s method detection limit (MDL), must be reported as “Detected, but Not Quantified,” or DNQ. The laboratory must write the estimated chemical concentration of the sample next to DNQ as well as the words “Estimated Concentration” (may be shortened to Est. Conc.); or
 - c. Sample results less than the laboratory’s MDL must be reported as “Not Detected,” or ND.
- C. If the Discharger samples and performs analyses (other than for process/operational control, startup, research, or equipment testing) on any sample more frequently than required in this MRP using approved analytical methods, the results of those analyses shall be included in the report. These results shall be reflected in the calculation of the average used in demonstrating compliance with average effluent, receiving groundwater water (if applicable), etc., limitations.
- D. The Regional Water Board may request supporting documentation, such as daily logs of operations.

2. Annual Reports

The Annual Report shall include, at a minimum, the following information:

- A. Tabular and graphical summaries of the monitoring data obtained during the previous calendar year.
- B. Discussion of the compliance record and corrective or preventive action(s) taken or planned that may be needed to bring the treated effluent into full compliance with the requirements in this Order.
- C. An in-depth discussion of the results of the final effluent monitoring program conducted during the previous year.

- D. The description of any changes and anticipated changes including any impacts in operation of any unit processes or facilities shall be provided.
- E. A list of the analytical methods employed for each test and associated laboratory quality assurance/quality control procedures shall be included. The report shall restate, for the record, the laboratories used by the Discharger to monitor compliance with this Order, their status of certification, and provide a summary of performance.
- F. The report shall confirm operator certification and provide a list of current operating personnel, their responsibilities, and their corresponding grade of certification.
- G. The report shall also include the date of the Trancas Water Pollution Control Plant (Trancas WPCP) Operation and Maintenance Management Plan, the date the plan was last reviewed, and whether the plan is complete and valid.
- H. Groundwater monitoring and reporting shall continue prior to completion of the Trancas WPCP upgrade and shall include the following:

The groundwater monitoring portion of the annual report shall be prepared under the direction of an engineer registered in the State of California, or a professional geologist in California. All groundwater monitoring report must be included, at a minimum, the following:

- a. Well Identification, date and time of sampling;
- b. Sampler identification, and laboratory; and
- c. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level, flow direction.

IV. WATER QUALITY MONITORING REQUIREMENTS

A. INFLUENT MONITORING

- 1. The Discharger shall record the monthly average and maximum daily waste flowrates to the facility.
- 2. The Discharger shall update the population estimate in the single-family homes and condominiums served by the Trancas WPCP in each annual summary report.

B. WASTEWATER TREATMENT PLANT EFFLUENT MONITORING

- The following shall constitute the effluent monitoring parameters, sampling types, and frequencies.

Table 2. Effluent Monitoring Requirements

Constituent	Unit²	Type of Sample	Frequency³ of Analysis
Total flow ¹	gallons per day	Recorder	Continuous
Turbidity	NTU	Recorder	Continuous
pH	standard unit	Grab	Weekly
Temperature	°F/°C	Grab	Weekly
Biochemical oxygen demand (5-day BOD@20°C)	mg/L	Grab	Weekly
Total coliform	MPN/100 mL	Grab	Weekly
Fecal coliform	MPN/100 mL	Grab	Weekly
Enterococcus	MPN/100 mL	Grab	Weekly
Total suspended solids	mg/L	Grab	Weekly
Residual chorine	mg/L	Grab	Weekly
Oil and grease	mg/L	Grab	Monthly
Ammonia as nitrogen (Ammonia-N)	mg/L	Grab	Monthly
Nitrate as nitrogen (Nitrate-N)	mg/L	Grab	Monthly
Nitrite as nitrogen (Nitrite-N)	mg/L	Grab	Monthly
Organic nitrogen	mg/L	Grab	Monthly
Total nitrogen ⁴	mg/L	Grab	Monthly
Total dissolved solids	mg/L	Grab	Monthly
Sulfate	mg/L	Grab	Monthly
Chloride	mg/L	Grab	Monthly
Boron	mg/L	Grab	Monthly

Constituent	Unit²	Type of Sample	Frequency³ of Analysis
Phosphorous	mg/L	Grab	Monthly
Methylene Blue Active Substances (MBAS)	mg/L	Grab	Monthly
Radionuclides ⁵	various	Grab	Annually
Priority Pollutants ⁶	µg/L	grab	Annually
Constituents of Emerging Concern (CECs) ⁷	µg/L	grab	Annually ⁸
Inorganic chemicals ⁹	various	Grab	Annually
Disinfection Byproducts ¹⁰	various	Grab	Annually
Secondary Constituents ¹¹	mg/L	Grab	Annually

Table Notes:

[1] For those constituents that are continuously monitored the Discharger shall report the minimum, maximum, and daily average values.

[2] mg/L = milligrams per liter; MPN/100 mL = most probable number per 100 mL; µg/L = micrograms per liter.

[3] If any constituent exceeds the limitations contained in Order No. R4-2023-XXXX, then the frequency of analysis shall increase to monthly from quarterly sampling or weekly from monthly within one week of knowledge of the test results until at least three consecutive test results have been obtained. After which, if no constituents exceed the baseline, the frequency of analysis shall revert back to the minimum analysis frequency prescribed.

[4] Total nitrogen = nitrate-N + nitrite-N + ammonia-N + Organic nitrogen.

[5] See Attachment A-2 for the list of Radionuclides

[6] See Attachment D for the list of Priority Pollutants - Appendix A to 40 CFR, Part 423.

[7] See Attachment B for the list of California Constituents of CECs.

[8] Effluent monitoring for CECs shall be performed during the first year of the WDRs adoption and every five (5) years thereof.

[9] See Attachment A-1 for the list of inorganic chemicals. Monitoring and reporting to commence after December 2027,

[10] See Attachment A-4 for the list of Disinfection Byproducts. Monitoring and reporting to commence after December 2027.

[11] See Attachment A-5 for the list of Secondary Constituents. Monitoring and reporting to commence after December 2027.

1. The quarterly reports shall contain the following information.
 - a. Average and maximum daily flowrate (effluent from wastewater treatment system) for each month of the quarter in gallons per day.
 - b. Estimated population served during each month of the reporting period.
 - c. Results of at least monthly observations in the dispersal area for any overflow or surfacing of wastes.
2. In addition, the Discharger shall inspect the wastewater treatment plant annually, including the leach field dispersal area, and submit an operation and maintenance report on the treatment and disposal system. The information to be contained in the report shall include, at a minimum, the following.
 - a. Results of annual inspection;
 - b. The maintenance records for the wastewater treatment plant;
 - c. Type of maintenance (preventive or corrective action performed);
 - d. Frequency of maintenance, if preventive;
 - e. The periodic pumping schedule of the septic tank; and
 - f. The name of the person responsible for the operation and maintenance of the facility.

C. GROUNDWATER MONITORING PROGRAM

1. The Discharger shall continue the groundwater monitoring program until the completion of the Trancas WPCP upgrade. The groundwater monitoring program consists of a network of four monitoring wells: MW-2, MW-3, MW-4, and MW-5 which are located upgradient and downgradient of the Trancas WPCP and the leach fields.
2. The groundwater monitoring program is specified in Table 3.

Table 3. Groundwater Monitoring Program

Constituent	Unit¹	Type of Sample	Frequency of Analysis
pH	standard unit	Grab	Quarterly
Total coliform	MPN/100 mL	Grab	Quarterly
Fecal coliform	MPN/100 mL	Grab	Quarterly
Enterococcus	MPN/100 mL	Grab	Quarterly
Biochemical oxygen demand (5-day BOD@20°C)	mg/L	Grab	Quarterly
Ammonia as nitrogen (Ammonia-N)	mg/L	Grab	Quarterly
Nitrate as nitrogen (Nitrate-N)	mg/L	Grab	Quarterly
Nitrite as nitrogen (Nitrite-N)	mg/L	Grab	Quarterly
Organic nitrogen	mg/L	Grab	Quarterly
Total nitrogen ²	mg/L	Grab	Quarterly
Total dissolved solids	mg/L	Grab	Quarterly
Sulfate	mg/L	Grab	Quarterly
Chloride	mg/L	Grab	Quarterly
Boron	mg/L	Grab	Quarterly
Residual chlorine	mg/L	Grab	Quarterly
Phosphorous	mg/L	Grab	Quarterly
Methylene Blue Active Substances (MBAS)	mg/L	Grab	Quarterly
Priority Pollutants ³	µg/L	grab	Quarterly

Table Notes:

[1] mg/L = milligrams per liter; MPN/100 mL = most probable number per 100 mL; µg/L = micrograms per liter.

[2] Total nitrogen = nitrate-N + nitrite-N + ammonia-N + Organic nitrogen.

[3] See Attachment D for the list of Priority Pollutants - Appendix A to 40 CFR, Part 423.

^[4] Groundwater monitoring for priority pollutants shall be performed annually during the first five year of the WDRs adoption and every five (5) years thereof.

3. All groundwater monitoring reports must include, at minimum, the following:
 - a. Well identification, date and time of sampling;
 - b. Sampler identification, and laboratory identification;
 - c. Quarterly measurement of groundwater levels, recorded to 0.01 feet mean sea level;
 - d. Water temperature;
 - e. An assessment of the hydraulic connection, if any, between the disposal area, groundwater and surface water; and
 - f. Groundwater contour map depicting the direction of groundwater flow across the subject facility.

D. SURFACE WATER MONITORING PROGRAM

1. The Discharger shall continue the surface water monitoring program until the completion of the Trancas WPCP upgrade. The surface water monitoring program consists of a network of four sampling points: SW-1A, SW-1B, SW-2, and MW-4 located downgradient from the Trancas WPCP and the leach fields.
2. The surface water monitoring program is specified in Table 4.

Table 4. Surface Water Monitoring Program

Constituent	Unit¹	Type of Sample	Frequency of Analysis
pH	standard unit	Grab	Quarterly
Total coliform	MPN/100 mL	Grab	Quarterly
Fecal coliform	MPN/100 mL	Grab	Quarterly
Enterococcus	MPN/100 mL	Grab	Quarterly
Biochemical oxygen demand (5-day BOD@20°C)	mg/L	Grab	Quarterly
Ammonia as nitrogen (Ammonia-N)	mg/L	Grab	Quarterly
Nitrate as nitrogen (Nitrate-N)	mg/L	Grab	Quarterly

Constituent	Unit¹	Type of Sample	Frequency of Analysis
Nitrite as nitrogen (Nitrite-N)	mg/L	Grab	Quarterly
Organic nitrogen	mg/L	Grab	Quarterly
Total nitrogen ²	mg/L	Grab	Quarterly
Total dissolved solids	mg/L	Grab	Quarterly
Sulfate	mg/L	Grab	Quarterly
Chloride	mg/L	Grab	Quarterly
Boron	mg/L	Grab	Quarterly

Table Notes:

[1] mg/L = milligrams per liter; MPN/100 mL = most probable number per 100 mL; µg/L = micrograms per liter.

[2] Total nitrogen = nitrate-N + nitrite-N + ammonia-N + Organic nitrogen.

3. All surface water monitoring reports must include, at minimum, the following:
 - a. Well identification, date and time of sampling;
 - b. Sampler identification, and laboratory identification;
 - c. Water temperature;
 - d. Water elevation with respect to mean sea level; and
 - e. An assessment of the hydraulic connection, if any, between the disposal area, groundwater and surface water.

V. WASTE HAULING REPORTING

In the event that waste sludge or other wastes are hauled offsite, the name and address of the hauler shall be reported along with types and quantities hauled during the reporting period and the location of the final point of disposal. In the event that no wastes are hauled during the reporting period, a statement to that effect shall be submitted.

VI. OPERATION AND MAINTENANCE REPORT

The Discharger shall submit an annual operation and maintenance report for the Trancas WPCP to the Executive Officer. The information to be contained in the report shall include the following.

- a. The name and address of the person or company responsible for the operation and maintenance of the facility;
- b. Type of maintenance (preventive or corrective action performed);
- c. Frequency of maintenance, if preventive;
- d. Maintenance record of leaching/disposal fields system; and
- e. Results of at least monthly observations in the disposal area for any overflow or surfacing of waste.

This operations and maintenance record shall be kept current and filed with the annual report due by **February 15th of each year**.

VII. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

VIII. ELECTRONIC SUBMITTAL OF INFORMATION

The Discharger shall comply with the ESI requirements by submitting all reports required under the MRP, discharge location coordinate data, and monitoring reports in pdf to the State Water Resource Control Board GeoTracker database under Global ID WDR100018599.

IX . CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

“I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the _____ day of _____ at _____

_____ (Signature)

_____ (Title)"

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by

Date: June 22, 2023

Susana Arredondo
Executive Officer