CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

REVISED MONITORING AND REPORTING PROGRAM 2014-0153-DWQ-R5288-01
FOR
STRATFORD PUBLIC UTILITY DISTRICT
WASTEWATER TREATMENT FACILITY
KINGS COUNTY

This Revised Monitoring and Reporting Program (MRP) is issued pursuant to California Water Code section 13267 and supersedes MRP 2014-0153-DWQ-5288, which was issued on 30 July 2018 for the Stratford Public Utility District (Discharger) Wastewater Treatment Facility (WWTF). This MRP describes requirements for monitoring a wastewater treatment system. 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 its 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)(1) 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 require by subdivision (b) of section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor any may be liable civilly in accordance with subdivision (b).
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> (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 Discharger owns and operates a wastewater treatment facility that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5288. The reports 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 of flow weighted) shall be approved by the 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.

If monitoring consistently shows no significant variation in magnitude of a constituent concentration or parameter after at least 12 months of monitoring, the Discharger may request this MRP be revised to reduce the monitoring frequency. The proposal must include adequate technical justification for reduction in monitoring frequency.

POND SYSTEM MONITORING

Influent Monitoring

Influent samples shall be taken from a location that provides representative samples of the wastewater and flow rate. At a minimum, influent monitoring shall consist of the following:

Constituent	Units (See 2 below)	Sample Type	Sample Frequency	Reporting Frequency
Flow Rate (See 1 below)	gpd	Meter	Continuous	Quarterly
Total Nitrogen	mg/L	Grab	Monthly	Quarterly
Electrical Conductivity	umhos/cm	Grab	Monthly	Quarterly

1 At a minimum, the total flow shall be measured monthly to calculate the average daily flow for the month.
2 gpd denotes gallons per day; mg/L denotes milligrams per liter; µmhos/cm denotes micromhos per centimeter

Wastewater Pond Monitoring

All wastewater and treated wastewater storage ponds (lined and unlined) shall be monitored as specified below:

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Dissolved Oxygen	mg/L (See 1 below)	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Monthly	Quarterly
Odors	---	Observation	Monthly	Quarterly
Berm Condition	---	Observation	Monthly	Quarterly
Electrical Conductivity	umhos/cm (See 2 below)	Grab	Monthly	Quarterly

1 mg/L denotes milligrams per liter.
2 umhos/cm denotes micromhos per centimeter

Effluent Monitoring

Following completion of the proposed upgrades to the WWTF, effluent samples shall be collected from a location that is representative of the treated effluent quality after the facultative ponds but prior to discharge to the evaporation/percolation ponds. Until the upgrades are completed, the effluent samples shall be collected from a point opposite of the inlet of Pond 1 (see Attachment B) before discharge to the evaporation/percolation ponds. Effluent water quality samples shall be collected at a depth of one foot below the water surface of Pond 1. If there is insufficient water in the pond, no sample shall be collected, and the Discharger shall report that in the appropriate monitoring report. At a minimum, effluent monitoring shall consist of the following:

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Biochemical Oxygen Demand	mg/L (See 1 below)	Grab	Monthly	Quarterly
Total Suspended Solids	mg/L (See 1 below)	Grab	Monthly	Quarterly
Electrical Conductivity	umhos/cm (See 2 below)	Grab	Monthly	Quarterly

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Total Nitrogen	mg/L (See 1 below)	Grab	Monthly	Quarterly

1 mg/L denotes milligrams per liter.
2 umhos/cm denotes micromhos per centimeter

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

Consistent with the Business and Professions Code, groundwater monitoring reports, well construction workplans, etc. shall be prepared under the supervision of a California licensed civil engineer or geologist. Prior to construction of any new groundwater monitoring wells, the Discharger shall submit plans and specification to the Central Valley Water Board's staff for review and approval. Once installed, all monitoring wells designated as part of the monitoring network shall be sampled and analyzed according to the schedule below.

Analysis of the data and groundwater flow directions shall be performed at least annually and shall be performed under the supervision of a California licensed professional (as described above). The Discharger may request a reduced monitoring and reporting schedule once adequate data has been collected to characterize the site.

Prior to sampling, groundwater elevations shall be measured and the wells shall be purged of at least three well volumes and until pH and electrical conductivity have stabilized. No-purge, low-flow, or other sampling techniques are acceptable if they are described in an approved Sampling and Analysis Plan. Depth to groundwater shall be measured to the nearest 0.01 foot. Groundwater elevations shall be calculated. Samples shall be collected using approved USEPA methods. Groundwater monitoring at each of the monitoring wells shown in Attachment A of NOA 2014-0153-DWQ-R5288 (Monitoring Wells B-3, B-5, B-6, B-7, and B-9), and any new groundwater monitoring wells, shall include, at a minimum, the following:

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency (See 3 below)
Groundwater Elevation (See 1 below)	0.01 Feet	Calculated	Semi-Annually	Annually
Depth to Groundwater	0.01 Feet	Measurement	Semi-Annually	Annually
Gradient	Feet/Feet	Calculated	Semi-Annually	Annually
Gradient Direction	Degrees	Calculated	Semi-Annually	Annually
pH	Std. Units	Grab	Semi-Annually	Annually
Total Dissolved Solids	mg/L	Grab	Semi-Annually	Annually
Electrical Conductivity	µmhos/cm	Grab	Semi-Annually	Annually
Nitrate as Nitrogen (as N)	mg/L	Grab	Semi-Annually	Annually
Total Nitrogen	mg/L	Grab	Semi-Annually	Annually
General Minerals (See 2 below)	mg/L	Grab	Semi-Annually	Annually
Sodium	mg/L	Grab	Semi-Annually	Annually
Chloride	mg/L	Grab	Semi-Annually	Annually
Total Coliform Organisms	MPN/100 mL	Grab	Semi-Annually	Annually

MPN/100 mL denotes most probable number per 100 milliliter sample.
Std. Units denotes standard units.
mg/L denotes milligrams per liter.
1 Groundwater elevation shall be based on depth to water using a surveyed measuring point elevation on the well and a surveyed reference elevation.
2 General minerals shall include the following: boron, calcium, iron, magnesium, potassium, sodium, chloride, manganese, phosphorus, total alkalinity (including alkalinity series), and hardness, and include verification that the analysis is complete (i.e., cation/anion balance).
3 Analysis of data by a California licensed professional is required at least annually.

If groundwater monitoring wells are destroyed and/or abandoned due to upgrades at the WWTF, the Discharger shall submit a work plan as required by the NOA. The well(s) shall be destroyed and abandoned following written Executive Officer approval of the work plan.

REPORTING

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.

The Central Valley Water Board has gone to a Paperless Office System. All regulatory documents, submissions, materials, data, monitoring reports, and correspondence shall be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be mailed to: centralvalleyfresno@waterboards.ca.gov. Documents that are 50MB or larger should be transferred to a disk and mailed to the appropriate regional water board office, in this case 1685 E Street, Fresno, CA, 93706.

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

Program: Non-15, WDID: 5D160105001, Facility Name: Stratford Public Utility District, Order: 2014-0153-DWQ-R5288.

A. Quarterly Monitoring Reports

Quarterly reports shall be submitted to the Central Valley Water Board on the **first day of the second month after the quarter ends** (e.g. the January-March Quarterly Report is due by May 1st). The reports shall bear the certification and signature of the Discharger's authorized representative. At a minimum, the quarterly reports shall include:

1. Results of all required monitoring.

2. A comparison of monitoring data to the discharge specifications, applicable effluent limits, disclosure of any violations of the NOA and/or General Order, and an explanation of any violation of those requirements. (Data shall be presented in tabular format.)

3. If requested by staff, copies of laboratory analytical report(s) and chain of custody form(s).

B. Annual Report

Annual Reports shall be submitted to the Central Valley Water Board by March 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 facility, 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 General Order (Provision E.2.c) shall also be submitted.

3. If requested by staff, copies of laboratory analytical report(s) and chain of custody form(s).

4. 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.

5. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.

6. The name and contact information for the wastewater operator responsible for operation, maintenance, and system monitoring.

7. A discussion/update on the implementation of the Salt and Nutrient Management Plan and the progress in reduction/minimization of salinity and nitrate in the Facility's discharge.

8. A groundwater monitoring report prepared by a California licensed professional. This report may be prepared separately from the rest of the Annual Report. 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 volume, groundwater elevation and trend, 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.

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. The transmittal letter shall contain the following penalty of perjury statement and shall be signed by the Discharger or the Discharger's authorized agent:

"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."

The Discharger shall implement the above monitoring program on 1 January 2026.

Ordered by: _____
For PATRICK PULUPA, Executive Officer

__12/2/2025_____
(Date)

ATTACHMENT B