CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM WQO 2014-0153-DWQ-R5433
FOR
YOLO COUNTY HOUSING AUTHORITY, CITY OF DIXON HOUSING AUTHORITY
AND VOA DIXON LLC
DIXON MIGRANT CENTER
SOLANO COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring the Dixon Migrant Center Wastewater Treatment Facility. 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).
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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 Yolo County Housing Authority owns and operates the Dixon Migrant Center Wastewater Treatment Facility (WWTF) that is subject to the Notice of Applicability

(NOA) of Water Quality Order 2014-0153-DWQ-R5433, *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order). 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, data, 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 data, 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 measure pH, dissolved oxygen, electrical conductivity, wind speed, and precipitation) may be used provided that they are used by a State Water Board California Environmental Laboratory Accreditation Program (ELAP) certified laboratory, or:

1. The operator is trained in proper use and maintenance of the instruments;

2. The instruments are field calibrated at the frequency recommended by the manufacturer;

3. The instruments are serviced and/or calibrated at the manufacturer's recommended frequency; and

4. Field calibration reports are maintained and available for at least three years.

Laboratory analytical procedures shall comply with the methods and holding times specified in the following (as applicable to the medium to be analyzed):

1. Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater (EPA);

2. Test Methods for Evaluating Solid Waste (EPA);

3. Methods for Chemical Analysis of Water and Wastes (EPA);

4. Methods for Determination of Inorganic Substances in Environmental Samples (EPA); and

5. Standard Methods for the Examination of Water and Wastewater (APHA/AWWA/WEF).

Approved editions shall be those that are approved for use by the U.S. Environmental Protection Agency or the State Water Resources Control Board's Environmental Laboratory Accreditation Program (ELAP). The Discharger may propose alternative

methods for approval by the Executive Officer. Where technically feasible, laboratory reporting limits shall be lower than concentrations that implement applicable water quality objectives/limits for the constituents to be analyzed.

If monitoring consistently shows no significant variation in a constituent concentration or parameter after at least 12 months of monitoring, the Discharger may request this MRP be revised to reduce monitoring frequency. The proposal must include adequate technical justification for reduction in monitoring frequency. This monitoring program shall remain in effect unless and until a revised MRP is issued.

SEPTIC TANK SYSTEM

Monitoring of septic tank shall include the following as shown in the table below. Flow rate may be metered or estimated based on potable water supply meter reading or other approved method.

Table 1. Septic System Flow Monitoring

Parameter	Units	Sample Type	Sampling Frequency	Reporting Frequency
Flow Rate	gallons per day (gpd)	Metered	Continuous	Annually

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.

Table 2. Septic Tank Monitoring

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)	NA	NA	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 within 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.

POND SYSTEM MONITORING

Wastewater Pond Monitoring

All ponds used for treatment, storage, or disposal of wastewater shall be monitored as specified in the table below. Sampling and monitoring shall be conducted from permanent locations that will provide reasonable samples and observations of the ponds. Freeboard shall be measured vertically from the water surface to the lowest elevation of pond berms (or spillway/overflow pipe invert) and shall be measured to the nearest 0.10 feet. Grab samples shall be collected opposite the inlet and, when possible, at a depth of one foot. If any pond is dry, the monitoring report shall so state.

Table 3. Pond Monitoring

Constituent/ Parameter	Units	Sample Type	Monitoring Frequency	Reporting Frequency
Influent Flow	gpd	Meter	Continuous	Quarterly
Presence/Absence of Water	--	Observation	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Monthly	Quarterly
Odors	--	Observation	Monthly	Quarterly
Berm Condition	--	Observation	Monthly	Quarterly
Dissolved Oxygen	mg/L	Grab	Monthly/Quarterly	Quarterly
Biochemical Oxygen Demand	mg/L	Grab	Monthly/Quarterly	Quarterly
Electrical Conductivity	µmhos/cm	Grab	Monthly/Quarterly	Quarterly
Nitrate as Nitrogen	mg/L	Grab	Monthly/Quarterly	Quarterly

The monitoring frequency for Dissolved Oxygen, Biochemical Oxygen Demand, Electrical Conductivity and Nitrate as Nitrogen shall be reduced to quarterly during the off-season (November through April) when the Center is not fully occupied.

Effluent Monitoring

Effluent samples shall be collected when wastewater is applied to Land Application Areas (LAAs). Effluent samples shall be taken from a location that provides representative samples of the wastewater. At a minimum, effluent monitoring shall consist of the following as provided below. Mg/L denotes milligrams per liter.

Table 4. Pond Effluent Monitoring

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Biochemical Oxygen Demand	mg/L	Grab	Monthly	Quarterly

LAND APPLICATION AREA MONITORING

The Discharger shall monitor the LAAs when wastewater and/or supplemental irrigation water is applied. If wastewater/supplemental irrigation water is not applied during a reporting period, the monitoring report shall so state. LAA monitoring shall be monitored as specified in the following table and meet the testing requirements 1 – 4 below:

1. Meter requires meter reading, a pump run time meter, or other approved method.
2. Weather stations may be site-specific stations or nearby governmental weather reporting stations.
3. Acreage applied denotes the acreage to which wastewater is applied.
4. Application rate may also be reported as inch/acre/month.

Table 3. Land Application Area Monitoring

Parameter	Units	Sample Type	Sampling Frequency	Reporting Frequency
Wastewater Flow (see requirement 1 above)	gpd	Meter	Monthly	Quarterly
Local Rainfall (see requirement 2 above)	Inches	Weather Station	Monthly	Quarterly
Acreage Applied (see requirement 3 above)	Acres	Calculated	Monthly	Quarterly
Application Rate (see requirement 4 above)	gal/acre/mo	Calculated	Monthly	Quarterly
Soil Erosion Evidence	--	observation	Monthly	Quarterly
Containment Berm Condition	--	observation	Monthly	Quarterly
Soil Saturation/Ponding	--	observation	Monthly	Quarterly

Parameter	Units	Sample Type	Sampling Frequency	Reporting Frequency
Nuisance Odors/Vectors	--	observation	Monthly	Quarterly
Discharge Off-Site	--	observation	Monthly	Quarterly

SLUDGE/SOLIDS 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

The Discharger shall monitor groundwater quality. 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 engineeror geologist. Prior to construction of any groundwater monitoring wells, the Discharger shall submit plans and specifications to the Regional 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.

The data from routine groundwater monitoring events shall be submitted quarterly. 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. (Typically, two years of quarterly sampling isrequired for adequate characterization.)

Prior to sampling, groundwater levels shall be measured and elevations calculated before the wells are 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 feet. Groundwater elevations shall be calculated. Samples shall be collected using approved USEPA methods. Groundwater monitoring shall be monitored as specified in the following table and meet the testing requirements 1 – 4 below:

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. Using a minimum of 15 tubes or three dilutions for Total Coliform analysis.
3. Analysis of data by a California licensed professional is required at least annually.

MNP/100 mL denotes most probable number per 100 mL sample. mg/L denotes milligrams per liter.

Table 4. Groundwater Monitoring

Constituent	Units	SampleType	Sampling Frequency	Reporting Frequency (see requirement 3, above)
Groundwater Elevation (Requirement 1, above)	0.01 feet	Calculation	Quarterly	Annually
Depth to Groundwater	0.01 feet	Measurement	Quarterly	Annually
Gradient	feet/feet	Calculation	Quarterly	Annually
Gradient Direction	degrees	Calculation	Quarterly	Annually
pH	standard units	Grab	Quarterly	Annually
Total Dissolved Solids	mg/L	Grab	Quarterly	Annually
Electrical Conductivity	µmhos/cm	Grab	Quarterly	Annually
Nitrate as Nitrogen	mg/L	Grab	Quarterly	Annually
Sodium	mg/L	Grab	Quarterly	Annually
Chloride	mg/L	Grab	Quarterly	Annually
Total Coliform Organisms (Requirement 2, above)	MPN/100 mL	Grab	Quarterly	Annually

REPORTING REQUIREMENTS

The Discharger must submit all monitoring reports and analytical monitoring results to the State Water Resources Control Board's (State Water Board's) GeoTracker database. GeoTracker is an Internet-accessible database system used by the State Water Board, regional boards, and local agencies to track and archive compliance data from authorized or unauthorized discharges of waste to land, or unauthorized releases of hazardous substances from underground storage tanks. This system consists of a relational database, online compliance reporting features, a geographical information system (GIS) interface, and other features that are utilized by regulatory agencies, regulated industries, and the public to input, manage, or access compliance and regulatory tracking data.

GeoTracker Electronic Reporting Requirements: All monitoring reports and monitoring results shall be submitted to GeoTracker in accordance with the timeframes specified below and in searchable Portable Document Format (PDF). The Discharger

shall follow the applicable Electronic Submittal of Information (ESI) requirements under the Facility-specific **Global Identification Number WDR100033292** at the GeoTracker database.

(https://geotracker.waterboards.ca.gov/esi/login.asp)

In order to submit reports electronically, the Discharger shall create a secure GeoTracker Electronic Submittal of Information (ESI) account and log in credentials, claim their facility by requesting access in GeoTracker, and finally uploading PDF copies of the required reports via the ESI portal as outlined in the GeoTracker ESI Beginner's Guide for Responsible Parties (Beginner's Guide) linked below. The Discharger may complete the above tasks by accessing the 'Getting Started' section on the GeoTracker ESI webpage.

(https://www.waterboards.ca.gov/ust/electronic_submittal/index.html)

Additional GeoTracker support information can be found at the following:

a. 'Guides/Resources' document link in the "Tools" on the Discharger's GeoTracker ESI account.

b. Resources on the GeoTracker ESI website, such as the Beginner's Guide (https://www.waterboards.ca.gov/ust/electronic_submittal/docs/geotracker_esi_rp_beginner s_guide_revisedoct2019.pdf)

c. General GeoTracker Help Desk contact information:

   Phone: 1-866-480-1028 Email: geotracker@waterboards.ca.gov

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 waste discharge requirements 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 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 also be signed and certified by the chief of the laboratory.

As required by the Business and Professions Code sections 6735, 7835, and 7835.1, all monitoring reports that involve planning, investigation, evaluation or design, or other work requiring interpretation and proper application of engineering or geologic sciences,

shall be prepared under the direct supervision of a Registered Professional Engineer or Professional Geologist and signed by the registered professional.

A. Monitoring Report Due Dates

Quarterly and annual monitoring reports are due as described in the table below.

Table 7. Monitoring Report Due Dates

Monitoring Report	Monitoring Period	Report Due Date
First Quarter	1 January to 31 March	1 May
Second Quarter	1 April to 30 June	1 August
Third Quarter	1 July to 30 September	1 November
Fourth Quarter	1 October to 31 December	1 February
Annual Report	1 January to 31 December	1 February
State Water Board Volumetric Annual Reporting	1 January to 31 December	30 April

B. Quarterly Monitoring Reports

Daily, weekly, and monthly monitoring data shall be reported in the quarterly monitoring report. At a minimum, the quarterly report shall include:

1. Results of all required monitoring

    a. Pond System Monitoring

    b. Land Application Area Monitoring

2. A comparison of monitoring data to the flow limitations and discharge specifications and an explanation of any violation of those requirements.

3. Copies of the laboratory analytical data reports shall be maintained by the Discharger and submitted to the Central Valley Water Board.

C. Annual Report

In addition to the fourth quarter monitoring report, an Annual Report shall be prepared. 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 the General Order (Provision E.2.c) shall also be submitted.

3. 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/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 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 monitoring 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.

D. 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 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. The burden and cost of preparing the report is reasonable and consistent with the interest of the state in maintaining water quality and developing alternative water supplies to increase water resiliency. The State Water Board will evaluate progress towards the recycled water goals in the Recycled Water Policy and evaluate the need to update the recycled water goals in the future based on consistent statewide data. The Discharger shall submit the following volumetric annual reporting:

1. Monthly volume of wastewater collected and treated by the wastewater treatment plant.

2. Monthly volume of wastewater treated, specifying level of treatment, including treated wastewater discharged.

3. Monthly volume of treated wastewater discharged to land, where beneficial use is not taking place, including evaporation or percolation ponds, overland flow, or spray irrigation disposal, excluding pasture or fields with harvested crops.

The Discharger shall report the volumetric monitoring requirements to the State Water Board by **April 30 of each calendar year**. The Discharger shall electronically certify and submit this annual report containing the required data via the State Water Board's Internet GeoTracker system (http://geotracker.waterboards.ca.gov/). Information about the volumetric reporting of wastewater and recycled water and the Recycled Water Policy is available at the Recycled Water Policy Volumetric Annual Reporting Website (http://www.waterboards.ca.gov/recycledwaterpolicy).

A letter transmitting the self-monitoring reports shall accompany each report. The letter shall report violations found during the reporting period, and actions taken or planned for correcting noted 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 and 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 **the first day of the month** following rescission of WDRs Order 5-01-015.

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: 2026.01.16 17:24:18 -08'00'

for PATRICK PULUPA, Executive Officer