CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM WQ 2014-0153-DWQ-R5347
FOR
DEL RIO LAGO LLC
DEL RIO LAGO WASTEWATER SYSTEM
STANISLAUS COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system at the Del Rio Lago subdivision. 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 Discharger owns and operates the wastewater system that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ. Del Rio Lago Wastewater System is owned and operated by Del Rio Lago LLC. Pursuant to Water Code section 13267, the Discharger shall implement this MRP and shall 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.

SEPTIC TANK MONITORING

Monitoring of septic tanks shall include the following:

Table 1. Septic tanks flow monitoring

Parameter	Units	Measurement Type	Monitoring Frequency	Reporting Frequency
Flow rate	gpd	Meter (note 1)	Continuous	Annually

Table 1 note 1: Flow rate may be metered or estimated based on potable water supply meter readings or other approved method.

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. NA denotes “not applicable”.

Table 2. Septic tank monitoring

Parameter	Units	Measurement Type	Monitoring Frequency	Reporting Frequency
Sludge depth and scum thickness in each compartment of each tank	feet	Staff Gauge	Annually	Annually
Distance between bottom of scum layer and bottom of outlet device	inches	Staff Gauge	Annually	Annually
Distance between top of sludge layer and bottom of outlet device	inches	Staff Gauge	Annually	Annually
Effluent filter condition (if equipped, clean as needed)	NA	Observation	Annually	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.

EFFLUENT MONITORING

Effluent samples shall be taken from a location that provides representative samples of effluent quality discharged to the leach fields and leach lines. At a minimum effluent monitoring shall consist of the parameters listed in Table 3, where total nitrogen is the sum of nitrate nitrogen and total Kjeldahl nitrogen (TKN).

Table 3. Effluent monitoring

Constituent or parameter	Units	Sample type	Sampling frequency	Reporting frequency
System total flow rate (may be measured as influent or effluent flow)	gpd	Meter	Continuous	Quarterly
Biochemical oxygen demand, five-day (BOD_5)	mg/L	Grab	Monthly	Quarterly

Constituent or parameter	Units	Sample type	Sampling frequency	Reporting frequency
Total nitrogen	mg/L	Grab	Monthly	Quarterly

SUBSURFACE DISPOSAL MONITORING

All leach field system facilities including collection system, sewer mains, headworks, distribution lines and boxes, diversion trenches, effluent disposal trenches, and other appurtenant monitoring systems associated with the system inspection port(s), septic tank(s), shall be inspected on a monthly basis. Observations made during these inspections shall be recorded on a monthly basis.

Inspections of the leach field system facilities shall be comprised of a physical evaluation of the disposal site area to determine whether waste is being contained beneath the ground surface. The ground in the immediate vicinity and surrounding the disposal site shall be inspected to determine the presence of effluent on the ground surface.

Table 4. Subsurface system monitoring

Parameter	Inspection frequency	Reporting frequency
Pump controllers, automatic valves, etc.	Quarterly or as recommended by manufacturer	Quarterly
Nuisance odor condition	Quarterly	Quarterly
Saturated soil conditions	Quarterly	Quarterly
Plant growth (deep rooted plants shall be removed as necessary)	Quarterly	Quarterly
Vectors or animal burrowing	Quarterly	Quarterly

A written report of the conditions observed for the system shall be prepared following each inspection and submitted with the semi-annual monitoring report. Evidence of surfacing wastewater, erosion, vectors or animal burrowing, field saturation, runoff, or the presence of nuisance odor conditions and actions taken to remediate those conditions shall be noted in the report. The report shall identify any maintenance work necessary on the physical aspects of the system.

SOLIDS DISPOSAL MONITORING

The Discharger shall report the handling and disposal of all solids (e. g., screenings, grit, sludge, biosolids, etc.) generated by the wastewater treatment 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 names 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:	Del Rio Lago Wastewater System
Program:	Non-15 Compliance
Order:	2014-0153-DWQ-R5347
CIWQS Place ID:	869528

The Discharger shall notify the Board within 10 days of receipt of laboratory data showing effluent results exceeding the limit(s).

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 scheduled monitoring report.

If the Discharger does not comply, or will be unable to comply, with a limit related to effluent quality, pond freeboard, flow rate, or overflow issues, the Discharger shall notify Regional Water Board staff by telephone. Notification shall occur as soon as the Discharger or its agents have knowledge of such noncompliance or potential for noncompliance, and the discharger shall confirm this notification in writing **within 10 days**. The written notification shall state the date, time, nature, cause of noncompliance, immediate response action, and a schedule for corrective actions.

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.

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 Table 5.

Table 5. 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

B. Quarterly Monitoring Reports

Daily, weekly, and monthly monitoring data shall be reported in the quarterly monitoring report. The reports shall bear the certification and signature of the Discharger's authorized representative. At a minimum the quarterly reports shall include the following:

1. Results of all required monitoring.

2. A comparison of monitoring data to the discharge specifications, applicable effluent limits, disclosure of any violation of the NOA and/or General Order, 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. The dates, duration, and volume of any leach field failure events.

3. 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.

4. 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.

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

6. For sludge: the dates of removal, volume, analysis (if any), final disposal location, and who performed the removal and transportation of any sludge from the system.

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

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. Based on current influent flows of less than 20,000 gpd, 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:

> “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 issuance of the Notice of Applicability of Water Quality Order 2014-0153-DWQ-R5347.

This Order is issued under authority delegated to the Assistant Executive Officer by the Central Valley Water Board pursuant to Resolution R5-2018-0057 and is effective upon signature.

Ordered by: John J. Baum Digitally signed by John J. Baum Date: 2021.12.23 17:33:52 -08'00'

for PATRICK PULUPA, Executive Officer