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**North Coast Regional Water Quality Control Board**

California Regional Water Quality Control Board

North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2018-0060

(REPLACING AND RESCINDING ORDER NO. R1-2012-0029)

for

**LAKE SHASTINA COMMUNITY SERVICES DISTRICT**

**WASTEWATER TREATMENT FACILITY**

**SISKIYOU COUNTY**

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment facility. California Water Code section 13267 authorizes the Regional Water Quality Control Board (Regional Water Board) to require technical and monitoring reports. Lake Shastina Community Services District (Discharger) owns and operates the Wastewater Treatment Facility (Facility) that is subject to Waste Discharge Requirements Order No. R1-2012-0029. This MRP has been updated to reflect upgrades in wastewater treatment at the Facility. This MRP establishes monitoring and reporting requirements, which implement California regulations. The reports required by the MRP are necessary to ensure the Discharger complies with the requirements in Waste Discharge Requirements Order No. R1-2012-0029. The burden, including costs, of these reports bears a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program No. R1-2012-0029.

The failure to furnish any of the required reports, or the submittal of substantially incomplete reports or false information, is a misdemeanor, and may result in additional enforcement actions being taken against the Discharger, including issuance of an Administrative Civil Liability (ACL) Complaint pursuant to Water Code section 13268.

Liability may be imposed pursuant to Water Code section 13268 in an amount not to exceed one thousand dollars (\$1,000) for each day in which the violation occurs.

Under the authority of California Water Code section 13267, the Discharger is required to comply with the following:

## **I. GENERAL MONITORING PROVISIONS**

- A. Wastewater Monitoring Provision.** Composite samples may be taken by a proportional sampling device approved by the Executive Officer or by grab samples composited in proportion to flow. In compositing grab samples, the sampling interval shall not exceed 1 hour. Grab samples shall be collected at times and locations to accurately represent average condition over the monitoring period.
- B. Supplemental Monitoring Provision.** If the Discharger monitors any pollutant more frequently than required by this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the monthly and annual self-monitoring reports.
- C. Laboratory Certification.** Laboratories analyzing monitoring samples shall be certified by the State of California Environmental Laboratory Accreditation Program (ELAP) and must include quality assurance/quality control data with their reports. The Discharger may analyze pollutants with short hold times (e.g., pH, chlorine residual, etc.) in its on-site laboratory provided that the Discharger has standard operating procedures (SOPs) that identify quality assurance/quality control procedures to be followed to ensure accurate results.
- D. Minimum Levels.** Compliance and reasonable potential monitoring analyses shall be conducted using commercially available and reasonably achievable detection limits that are lower than the applicable effluent limitation. If no minimum level (ML) value is below the effluent limitation, the lowest ML shall be selected as the reporting level (RL).
- E. Monitoring Equipment Provision.** All monitoring and analysis instruments and devices used by the Discharger to fulfill this MRP shall be properly maintained and calibrated as recommended by the manufacturer to ensure their continued accuracy. The calibration interval for flow measurement devices shall not exceed 5 years.

## **II. MONITORING LOCATIONS**

The Discharger shall establish the following monitoring locations to demonstrate compliance with the effluent limitations, discharge specifications, and other requirements in this Order:

**Table C-1. Monitoring Station Locations**

<b>Discharge Point Name</b>	<b>Monitoring Location Name</b>	<b>Monitoring Location Description</b>
--	INF-001	Influent monitoring location prior to solids removal.
EFF-001	INT-001B	Internal monitoring location within Pond No. 1
EFF-002	INT-002	Internal monitoring location within Pond No. 2
EFF-003	INT-003	Internal monitoring location within Pond No. 3
EFF-004	INT-004	Internal monitoring location within Pond No. 4
--	MW-0	Existing historic monitoring well, located northwest of Pond No. 3 and within the northern berm of Pond No. 5.
--	MW-1	Monitoring well constructed in July 2010, that is located west of the entrance road directly west of Pond No. 4.
--	MW-2	Monitoring well constructed in July 2010, that is located just east of the solids containment structure on the southeastern corner of the Facility property.

### III. INFLUENT MONITORING REQUIREMENTS

#### A. Monitoring Location INF-001

The Discharger shall monitor wastewater at Monitoring Location INF-001 as follows:

**Table C-2. Influent Monitoring – Monitoring Location INF-001**

<b>Parameter</b>	<b>Units</b>	<b>Sample Type</b>	<b>Minimum Sampling Frequency</b>
Daily Flow	mgd	Meter	Continuously
Biochemical Oxygen Demand (5-day @ 20°C)	mg/L	Grab	Quarterly
Total Suspended Solids	mg/L	Grab	Quarterly

### IV. EFFLUENT MONITORING REQUIREMENTS

#### A. Monitoring Locations INT-001B, INT-002, INT-004

The Discharger shall monitor wastewater at Monitoring Locations INT-001B, INT-002 and INT-004 as follows:

**Table C-3. Internal Monitoring – Monitoring Locations INT-001B, INT-002 and INT-004**

Parameter	Units	Sample Type	Minimum Sampling Frequency
Dissolved Oxygen	mg/L	Grab	Monthly
Pond Freeboard	Feet	Observation	Daily

**B. Monitoring Location INT-003**

The Discharger shall monitor wastewater at Monitoring Location INT-003 as follows:

**Table C-4. Internal Monitoring – Monitoring Location INT-003**

Parameter	Units	Sample Type	Minimum Sampling Frequency
pH	Std. units	Grab	Quarterly
Dissolved Oxygen	mg/L	Grab	Monthly
Pond Freeboard	Feet	Observation	Daily
Total Coliform Organisms	MPN/100 mL	Grab	Quarterly
Biochemical Oxygen Demand (5-day @ 20°C)	mg/L	Grab	Quarterly
Total Suspended Solids	mg/L	Grab	Quarterly
Nitrogen, Total (as N)	mg/L	Grab	Quarterly
Nitrate (as N)	mg/L	Grab	Quarterly
Specific Conductivity	mg/L	Grab	Quarterly
Boron	mg/L	Grab	Quarterly
Hardness	mg/L	Grab	Quarterly

**V. RECEIVING WATER MONITORING REQUIREMENTS**

**A. Groundwater Monitoring**

The Discharger shall monitor groundwater at all Monitoring Well locations as follows:

**Table C-5. Groundwater Monitoring – All Monitoring Wells**

Parameter	Units	Sample Type	Minimum Sampling Frequency
Depth to Groundwater	0.01 feet	Grab	Quarterly
pH	Std. units	Grab	2x / Year
Total Coliform Organisms	MPN/100 mL	Grab	2x / Year
Nitrogen, Total (as N)	mg/L	Grab	2x / Year
Nitrate (as N)	mg/L	Grab	2x / Year
Specific Conductivity	mg/L	Grab	2x / Year
Boron	mg/L	Grab	2x / Year
Hardness	mg/L	Grab	2x / Year

## VI. REPORTING REQUIREMENTS

### A. Self-Monitoring Reports (SMRs)

1. The Discharger shall submit monthly SMRs including the results for all monitoring specified in this MRP. If the Discharger monitors any pollutant more frequently than required by this Order, the results of this monitoring shall be included in the calculations and reporting of the data submitted in the SMR.
2. All monitoring results shall include complete laboratory data sheets for each analysis and be submitted in conjunction with the monthly SMR on the first day of the second month following the quarter. Annual summary reports shall be submitted by March 1<sup>st</sup> each year.
3. Monitoring periods for all required monitoring shall be completed according to the following schedule:

**Table C-6. Monitoring Periods and Reporting Schedule**

Sampling Frequency	Monitoring Period Begins On	Monitoring Period
Continuous	Permit Effective Date	All
Daily	Permit Effective Date	(Midnight through 11:59 PM) or any 24-hour period that reasonably represents a calendar day for purposes of sampling.
Weekly	Sunday following permit effective date or on permit effective date if on a Sunday	Sunday through Saturday
Monthly	First day of calendar month following permit effective date or on permit effective date if that date is first day of the month	1 <sup>st</sup> day of calendar month through last day of calendar month.
2x / Year	June 1, 2019	June and November

**Table C-6. Monitoring Periods and Reporting Schedule**

Sampling Frequency	Monitoring Period Begins On	Monitoring Period
Quarterly	First day of quarter following permit effective date or on permit effective date if that date is first day of the quarter	1 <sup>st</sup> Quarter: January 1 through March 31 2 <sup>nd</sup> Quarter: April 1 through June 30 3 <sup>rd</sup> Quarter: July 1 through September 30 4 <sup>th</sup> Quarter: October 1 through December 31
Annually	January 1, 2019	January 1 through December 31

**4. Reporting Protocols.** The Discharger shall report with each sample result the applicable ML, the RL and the current MDL, as determined by the procedure in Standard Methods.

The Discharger shall report the results of analytical determinations for the presence of chemical constituents in a sample using the following reporting protocols:

- a. Sample results greater than or equal to the reported ML shall be reported as measured by the laboratory (i.e., the measured chemical concentration in the sample).
- b. Sample results less than the RL, but greater than or equal to the laboratory’s MDL, shall be reported as “Detected, but Not Quantified,” or DNQ. The estimated chemical concentration of the sample shall also be reported.
- c. For the purposes of data collection, the laboratory shall write the estimated chemical concentration next to DNQ as well as the words “Estimated Concentration” (may be shortened to “Est. Conc.”). The laboratory may, if such information is available, include numerical estimates of the data quality for the reported result. Numerical estimates of data quality may be percent accuracy (+ a percentage of the reported value), numerical ranges (low to high), or any other means considered appropriate by the laboratory.
- d. Sample results less than the laboratory’s MDL shall be reported as “Not Detected,” or ND.
- e. Dischargers are to instruct laboratories to establish calibration standards so that the ML value (or its equivalent if there is differential treatment of samples relative to calibration standards) is the lowest calibration standard. At no time is the Discharger to use analytical data derived from extrapolation beyond the lowest point of the calibration curve.

**5. Self-Monitoring Reports.** The Discharger shall submit self-monitoring reports (SMRs) in accordance with the following requirements:

- a. The Discharger shall arrange all reported data in a tabular format. The data shall be summarized to clearly illustrate whether the Facility is operating in compliance with effluent limitations and other WDR requirements. The Discharger is not required to duplicate the submittal of data that is entered in a tabular format within CIWQS.
- b. The Discharger shall attach a cover letter to the SMR. The information contained in the cover letter shall clearly identify:
  - i. Facility name and address;
  - ii. WDID number;
  - iii. Applicable period of monitoring and reporting;
  - iv. Violations of the WDRs (identified violations must include a description of the requirement that was violated and a description of the violation);
  - v. Corrective actions taken or planned; and
  - vi. The proposed time schedule for corrective actions.
- c. SMRs must be submitted to the Regional Water Board, signed and certified as required by the General Provisions, to:  
NorthCoast@waterboards.ca.gov or on disk (CD or DVD) in a Portable Document Format (PDF) file in lieu of paper-sourced documents. The guidelines for electronic submittal of documents can be found on the Regional Water Board website at:  
[https://www.waterboards.ca.gov/northcoast/publications\\_and\\_forms/available\\_documents/pdf/2014/ECM\\_Letter-Guidelines.pdf](https://www.waterboards.ca.gov/northcoast/publications_and_forms/available_documents/pdf/2014/ECM_Letter-Guidelines.pdf)

At any time during the term of this permit, the Regional Water Board may notify the Discharger to electronically submit both technical and Self-Monitoring Reports (SMRs) to the State Water Board's GeoTracker database in searchable Portable Document Format (pdf). In addition, analytical data will be required to be uploaded to the GeoTracker database under a site-specific global identification number that will be assigned to the Discharger. Information on the GeoTracker database is provided on the State Water Board website at:

[https://www.waterboards.ca.gov/resources/data\\_databases/groundwater.html](https://www.waterboards.ca.gov/resources/data_databases/groundwater.html)

## **B. Other Reports**

1. **Annual Report.** The Discharger shall submit an annual report to the Regional Water Board for each calendar year. The report shall be submitted by March 1st of the following year. The report shall, at a minimum, include the following:

- a. Monitoring Data Summaries.** Both tabular and, where appropriate, graphical summaries of the monitoring data and disposal records from the previous year. If the Discharger monitors any pollutant more frequently than required by this Order, using test procedures approved under section Part 136 or as specified in this Order, the results of this monitoring shall be included in the calculation and report of the data submitted in the SMR.
  - b. Compliance Reporting.** A comprehensive discussion of the Facility's compliance (or lack thereof) with all effluent limitations and other WDRs, and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the Order.
  - c. Solids Reporting.** A summary report of solids pumping, handling and disposal. If the Discharger is required to monitor sludge prior to final disposal, the results of this monitoring shall be included in the summary.
- 2. Spills and Unauthorized Discharges.** Information regarding all spills and unauthorized discharges (except SSOs) that may endanger health or the environment shall be provided orally to the Regional Water Board<sup>1</sup> within 24 hours from the time the Discharger becomes aware of the circumstances and a written report shall also be provided within five (5) days of the time the Discharger becomes aware of the circumstances of the spill or unauthorized discharge.

Information to be provided verbally to the Regional Water Board includes:

  - a.** Name and contact information of caller;
  - b.** Date, time and location of spill occurrence;
  - c.** Estimates of spill volume, rate of flow, and spill duration, if available and reasonably accurate;
  - d.** Surface water bodies impacted, if any;
  - e.** Cause of spill, if known at the time of the notification;
  - f.** Cleanup actions taken or repairs made at the time of the notification; and
  - g.** Responding agencies.
- 3. Sanitary Sewer Overflows:** Notification and reporting of sanitary sewer overflows is conducted in accordance with the requirements of State Water Resources Control Board Order No. 2006-0003-DWQ (Statewide General WDRs

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<sup>1</sup> The contact number of the Regional Water Board during normal business hours is (707) 576-2220. After normal business hours, spill reporting to CalEMA will satisfy the 24-hour spill reporting requirement for the Regional Water Board. The contact number for spill reporting for the CalEMA is (800) 852-7550.

for Sanitary Sewer Systems), as amended by State Water Resources Control Board Order No. WQ 2013-0058-EXEC, and any revisions thereto.

Any person aggrieved by this action of the Regional Water Board may petition the State Water Board to review the action in accordance with CWC section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date that this Order becomes final, except that if the thirtieth day following the date that this Order becomes final falls on a Saturday, Sunday, or state holiday (including mandatory furlough days), the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: [https://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality/](https://www.waterboards.ca.gov/public_notices/petitions/water_quality/) or will be provided upon request.

The Discharger shall implement the above monitoring program beginning on the effective date of this Order.

Ordered by: \_\_\_\_\_  
Matthias St. John,  
Executive Officer