
North Coast Regional Water Quality Control Board

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program
Order No R1-2021-0054

for

Siskiyou County Department of Agriculture
Edgewood Livestock Mortality Composting Demonstration Project

22451 Edgewood Road
Weed CA 96049

WDID # 1A21206RSIS

Siskiyou County

This Monitoring and Reporting Program Order is issued pursuant to California Water Code (Water Code) section 13267 (b) and requires monitoring of stormwater quality and submission of technical reports. The objective of monitoring conducted under this monitoring program is to provide the Discharger(s) and the Regional Water Quality Control Board (Regional Water Board) with information concerning stormwater quality and compost leachate composition, necessitated by the discharge of waste to land. This waste discharge to land covers clean stormwater run-off which has been diverted around compost windrows from a demonstration project to research the feasibility of livestock mortality composting in California. Leachate from the compost windrows, which consists of liquids generated during the decomposition process and direct rainfall onto the compost pile, will be captured and recirculated into the windrows. The composting area does not discharge to surface waters and is separated from the nearest surface waters by a 4-foot high earthen berm. The North Coast Regional Water Quality Control Board (Regional Water Board) determined that the Project qualifies for a waiver of waste discharge requirements as set forth in Regional Water Board Conditional Waiver Order No. R1-2017-0039 under the category of discharge clean stormwater discharges to land. 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.

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(s), 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 Water Code section 13267, the Dischargers named above are required to comply with the following:

MONITORING

1. General Monitoring Requirements

- a. All samples shall be representative of the volume and nature of the discharge or matrix of material sampled.
- b. Laboratories analyzing monitoring samples shall be certified by the State of California Environmental Laboratory Accreditation Program (ELAP), in accordance with Water Code section 13176, 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, settleable solids, electrical conductivity, temperature etc.) in its on-site laboratory or in the field provided that the Discharger has standard operating procedures (SOPs) that identify quality assurance/quality control procedures to be followed to ensure accurate results.
- c. 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.

2. Visual Observations

- a. Records shall include the date, approximate time, locations observed, presence and probable source of any observed pollutants, name of person(s) that conducted the observations, and any response actions and/or Stormwater Manage Plan revisions necessary in response to the visual observations.
- b. At least once per calendar month, the Discharger shall visually observe the site for the following:
 - i. The presence or indications of prior, current, or potential unauthorized non-stormwater discharges and their sources.
 - ii. The condition of Best Management Practices described in the Discharger's Stormwater Management Plan.

- c. During stormwater and leachate sampling, the Discharger shall visually observe and record the following:
 - i. The presence or absence of floating and suspended materials, oil and grease, discolorations, turbidity, odors, and trash/debris in any discharged stormwater.
 - ii. The condition of Best Management Practices described in the Discharger's Stormwater Management Plan.

3. Stormwater Sampling and Analysis

- a. A Qualifying Storm Event (QSE) is a precipitation event that produces stormwater runoff diverted around composting areas and is preceded by 48 hours with no stormwater runoff from the diversion around the composting areas.
- b. The Discharger shall collect and analyze samples of stormwater runoff diverted around the composting areas from one (1) QSE within the first half of each reporting year (July 1 to December 31), and one (1) QSE within the second half of each reporting year (January 1 to June 30).
- c. Samples shall be collected within four (4) hours of:
 - a. The start of the discharge; or,
 - b. The start of facility operations if the QSE occurs within the previous 12-hour period (e.g., for storms with discharges that begin during the night for facilities with day-time operating hours). Sample collection is required during scheduled facility operating hours and when sampling conditions are safe.
- d. The Discharger shall analyze all collected samples for the following parameters: ammonium, nitrate-nitrogen, total dissolved solids, pH, iron, lead, zinc, and total phosphorous.

4. Leachate Sampling and Analysis

- a. Shall be performed in accordance with the Report of Waste Discharge submitted by the Discharger.
- b. Sampling of leachate from the collection container should occur monthly at a minimum, provided leachate is produced in sufficient quantity, and within two days following storm events exceeding 0.5 inches of precipitation.
- c. The Discharger shall analyze all collected samples for the following parameters: ammonium, nitrate-nitrogen, total dissolved solids, pH, iron, lead, zinc, and total phosphorous.

REPORTING

1. Annual monitoring reports shall be submitted to the Regional Water Board in accordance with the following schedule:

Monitoring Period	Due Date
July 1 – June 30	September 1

2. Monitoring data and reports shall be submitted within 60 days of sample collection and recording visual observations to the Regional Water Board via email at NorthCoast@waterboards.ca.gov with the Monitoring and Reporting Program Order No R1-2021-0054 in the subject line.
3. Each monitoring report shall include the following elements:
 - a. Cover letter that includes the Project Name, WDID number, and applicable period of monitoring and reporting.
 - b. Analytical data tables summarizing the current and historical analytical results for all stormwater and leachate monitoring events.
 - c. Record of daily precipitation at the site or a nearby government sponsored gauge.
 - d. Signed chain-of-custody documentation.
 - e. Signed laboratory reports including laboratory Quality Assurance/Quality Control data.
 - f. Visual observation reports.
 - g. Identity of the type of instruments that were used for field-measured data, copies of the pre- and post-calibration records or other assurance for field data quality, and identity of the person collecting the samples.
 - h. Record of monthly composting input type/volume and location/volume of finished compost.
 - i. Any changes made to the Stormwater Management Plan.

Ordered by _____
Matthias St. John
Executive Officer

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