

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM R5-2015-XXXX

FOR

NORTHERN RECYCLING, LLC
NORTHERN RECYCLING COMPOST - ZAMORA
YOLO COUNTY

Northern Recycling, LLC (hereafter "Discharger") shall submit reports required by this Monitoring and Reporting Program (MRP) and the applicable portions of the Standard Provisions and Reporting Requirements dated November 2013 pursuant to California Water Code section 13267. Compliance with this MRP is ordered by the WDRs and the Discharger shall not implement any changes to this MRP unless a revised MRP is issued by the Central Valley Water Board or the Executive Officer.

POND MONITORING

The Discharger shall monitor and sample water in the ponds in accordance with Table 1. Sample collection shall follow standard USEPA protocol. The leak detection monitoring device (i.e. pan lysimeter) shall be checked monthly for liquid. Upon detection of liquid in a previously dry monitoring device Discharger shall notify the Board within 48 hours; collect a sample and analyze the liquid for the constituents listed in Table 1; remove the liquid from the device; and continue to monitor weekly. If liquid reappears, another sample must be collected and analyzed for the constituents in Table 1. If the liquid is confirmed to be wastewater, the Discharger must submit a Response Action Plan within 30 days for review and approval by the Board.

TABLE 1 – POND MONITORING PROGRAM

<u>Parameter</u>	<u>Units</u>	<u>Frequency</u>
Field Parameters		
Freeboard	Feet & Tenths	Weekly/Monthly ¹
Dissolved Oxygen	mg/L	Weekly ²
Specific Conductance	µmhos/cm	Quarterly ³
pH	std. units	Quarterly ³
Monitoring Parameters		
Total Dissolved Solids	mg/L	Quarterly ³
Total Fixed Dissolved Solids	mg/L	Quarterly ³
Total Nitrogen	mg/L	Quarterly ³
<p>¹ Weekly from 1 October to 31 May and Monthly from 1 June to 30 September for all ponds.</p> <p>² Dissolved oxygen shall be measured weekly in all ponds. Dissolved oxygen shall not be less than 1.0 milligram per liter to prevent odors.</p> <p>³ One sample collected between 1 January to 31 March, one sample collected between 1 April to 30 June, one sample collected between 1 July to 30 September, and one sample between 1 October and 31 December of each year from the Retention Pond, the Detention Basin, and the Overflow Pond.</p>		

FACILITY MONITORING

The Discharger shall conduct facility monitoring as follows:

a. Quarterly Inspections

- 1) Operations Areas – Perform quarterly inspections of the working surfaces, berms, ditches, facility perimeter, erosion control best management practices (BMPs), and any other operational surfaces approved by this Order. The Discharger shall include the following observations in the Annual Monitoring Report:
 - a. Date and time of inspections, along with the name of the inspector;
 - b. Evidence of areas of deficiency such as cracking or subsidence in the working surfaces;
 - c. Evidence of ponding over the working surfaces and within ditches (show affected area on a map);
 - d. Effectiveness of erosion control BMPs;
 - e. Maintenance activities associated with, but not limited to, the working surfaces, berms, ditches, and erosion control BMPs;

- f. Evidence of any water or wastewater leaving or entering the facility, estimated size of affected area, and estimated flow rate (show affected area on a map);
 - g. Integrity of drainage systems during the wet season; and
 - h. Photographs of observed and corrected deficiencies.
- 2) Wastewater Management System - Perform quarterly inspections of the wastewater management system and submit the following observations and records in the Annual Monitoring Report:
- a. Date and time of inspections along with name of inspector;
 - b. The overall condition of the wastewater management system (i.e. pond liner, storage tank construction, municipal wastewater connection points);
 - c. The available capacity within storage systems and the current volume of wastewater (gallons) or solids (cubic yards) contained;
 - d. Presence of odors from the wastewater management system –
 - e. characterization, source, and distance from source;
 - f. Volume of wastewater treated and discharged, if applicable; and
 - g. Volume of wastewater disposed at an off-site treatment system and name and location of the wastewater treatment facility, if applicable.

b. **Annual Facility Inspection**

By **31 August** of each year, the Discharger shall conduct an annual inspection of the operation in order to assure that the site has been prepared for the rainy season to repair damage to the pad and pond liners and to prevent ponding on the pads. The Discharger shall take photos of any problems areas before and after repairs. All wet weather preparations shall be completed by **1 November** of each year. Annual facility inspection reporting shall be submitted as required in the Reporting section of this MRP.

c. **Discharge Monitoring**

The Discharger shall maintain records of the following for reporting purposes:

- 1) The volume of pond water hauled to a permitted facility from each pond during the reporting period.
- 2) The additives and amendments used during the reporting period.

3) Verification of the load checking program.

d. **Rainfall Monitoring**

The Discharger shall monitor rainfall from an onsite rainfall gauge year round.

e. **Standard Observations**

The Discharger shall conduct Standard Observations at the facility in accordance with this section of the MRP. Standard observations shall be conducted in accordance with the following schedule:

<u>Frequency</u>	<u>Season</u>
Weekly	Wet: 1 October to 31 May
Monthly	Dry: 1 June to 30 September

The Standard Observations shall include:

- 1) Evidence of ponded water, rutting, or desiccation on any of the pads or drainage ditches. These areas shall be noted on a facility map.
- 2) Evidence of erosion issues throughout the property.

Results of Standard Observations shall be submitted as required in the Reporting section of this MRP.

f. **Storm Events**

The Discharger shall inspect all precipitation, diversion, and drainage facilities for damage within **7 days** following major storm events. Necessary repairs shall be completed within **30 days** of the inspection. The Discharger shall report any damage and subsequent repairs including photographs of the problem and repairs in the Annual Monitoring Report.

REPORTING

The Discharger shall report field and laboratory test results in Annual Monitoring Reports. The Discharger shall submit the Annual Monitoring Reports to the Central Valley Water Board by **1 February** of each year. The Discharger shall arrange the data in tabular form so that the date, the constituents, the concentrations, and the units are readily discernible. A discussion of the monitoring results shall precede the tabular summaries.

As required by the California Business and Professions Code sections 6735, 7835, and 7835.1, all reports shall be prepared by a registered professional engineer or geologist (or their subordinate) and signed, and if required stamped, by the registered professional.

The Discharger must submit reports in a searchable, electronic format (i.e., Portable Document Format (PDF) and Electronic Deliverable Format (EDF) via the State Water Board's Internet GeoTracker system at <<http://geotracker.waterboards.ca.gov/>> as required by this

Order. In addition, analytical data shall be uploaded to the GeoTracker database under a site-specific global identification number. Information on the GeoTracker database is provided at: http://www.swrcb.ca.gov/ust/electronic_submittal/index.shtml.

Each Annual Monitoring Report is to include the following information:

- a. A transmittal letter explaining the essential points of the previous year's operation shall accompany each report. At a minimum, the transmittal letter shall identify any violations found since the last report was submitted and a description of the actions taken or planned for correcting those violations, including any references to previously submitted time schedules. If no violations have occurred since the last submittal, this shall be stated in the transmittal letter.
- b. A summary of the facility's state of compliance with Waste Discharge Requirements (WDRs) Order R5-2015-XXXX during the Annual reporting period.
- c. A map or aerial photograph showing the locations of observation stations and monitoring points;
- d. Tabular and graphical summaries of all water quality data collected during the year, including storm water monitoring if applicable.
- e. A discussion about the monitoring data and standard observations along with tabulated **cumulative** pond monitoring data, pond freeboard levels, and onsite rainfall data. The report shall document completion of all standard observations and any necessary repairs. The report shall include information about pond levels relative to the water balance in the ROWD and any offsite discharge of pond water at a wastewater treatment plant or under the Industrial Storm Water Permit, including sampling results.
- f. A summary discussion of the pilot scale covered aerated static pile (ASP) project including permit compliance with the air management district and the determination to continue pilot scale testing.
- g. Monitoring information must include at a minimum:
 - 1) The date, identity of sample, monitoring point from which the sample was collected, and time of sampling or measurement;
 - 2) The name of the individual(s) who performed the sampling or measurements;
 - 3) Date and time that analyses were started and completed;
 - 4) The analytical techniques or method used, including method of preserving the sample and the identity and volume of reagents used; and
 - 5) Field instrument calibration logs.

- h. A discussion of the required discharge monitoring including the volumes of water hauled to a permitted facility from each pond, a list of additives and amendments used, and verification that the load checking program was conducted as required by the WDRs.
- i. All historical monitoring data collected during the previous 5 years, and for which there are detectable results, including data for the previous year, shall be submitted in tabular form and in a digital file format.
- j. A copy of the laboratory analytical reports and chain of custody.
- k. Results and discussion from the quarterly facility inspections including the minimum requirements listed in "Facility Monitoring, Section a" of this MRP.
- l. Results and discussion from the annual facility inspection including:
 - 1) The observation date and time of the inspection, along with the name of the inspector;
 - 2) The type of deficiency/non-compliance observed;
 - 3) The cause for the deficiency/noncompliance;
 - 4) Map showing the area of deficiency/noncompliance;
 - 5) The corrective actions undertaken, or planned to resolve the deficiency/non-compliance, including the date and time of repairs;
 - 6) The measures undertaken by the Discharger to prevent the recurrence of the observed deficiency/noncompliance; and
 - 7) Photographs of the observed deficiencies/noncompliance with corresponding location on the map.
- m. A summary and certification of completion of inspections and maintenance of the working surfaces, berms, ditches, erosion and sediment control BMPs, or other containment structures.
- n. An evaluation and certification of completion of inspections and maintenance on the effectiveness of the wastewater handling facilities including results of the annual testing of wastewater, capacity issues, nuisance conditions, and system problems.
- o. A comprehensive discussion of the compliance record, and the result of any corrective actions taken or planned which may be needed to bring the Discharger into full compliance with this Order.
- p. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.

- q. Documentation of completion of the annual facility inspection, maintenance, and repairs as required by the Section C. Facility Specifications of the WDRs, and this MRP.
- r. A discussion of any events that threatened public health, created a nuisance, threatened surface or ground water quality, or otherwise resulted in a violation of this Order addressed during the prior year, under Section D. Required Report and Notices of the WDRs, together with the Discharger's response to each such event.
- s. All other reports required by this Order and other information required by the Board must be signed by a designated person including,
 - 1) For a corporation - by a principal executive officer of at least the level of vice president;
 - 2) For a partnership or sole proprietorship - by a general partner or the proprietor, respectively;
 - 3) For a municipality, state, federal, or other public agency - by either a principal executive officer or ranking elected official;
 - 4) For a military facility - by the base commander or person with authority and responsibility for environmental matters at the facility; or
 - 5) A duly authorized representative of that person. An individual is a duly authorized representative only if:
 - a) The authorization is made in writing by a person described in paragraph (a) above;
 - b) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and
 - c) The written authorization is submitted to the Regional Water Board.
- t. Any person signing a document under this section must make the following certification:

"I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

The results of any monitoring done more frequently than required at the locations specified in the MRP shall also be reported to the Central Valley Water Board.

NOTIFICATION REQUIREMENTS

a. Change in Ownership Notification Requirements

The Discharger must notify the Board and Local Enforcement Agency, in writing, at least 45 days in advance of any transfer of the Order's responsibility and coverage from the current owner to a new owner. This notification shall include a statement of acknowledgment that the current owner is liable for violations occurring up to the transfer date and that the new owner is liable for violations occurring after the date that ownership of the property transfers.

b. Violation of Notification Requirements

If a violation of requirements of this Order or MRP occurs, the Discharger must notify the Board by telephone or electronic mail within 48-hours of the violation. This notification must include a description of the noncompliance and its cause, the period of noncompliance (dates and times); and if the noncompliance has not been corrected, the anticipated time the noncompliance is expected to continue. The notification must also include steps taken or planned to reduce, eliminate, or prevent recurrence of the noncompliance. Depending on the severity of the violation, the Board may require the Discharger to submit a separate technical report regarding the violation within 10 working days of the initial notification.

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

Ordered by: _____
PAMELA C. CREEDON, Executive Officer

Date

AAH/WMH