

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2007-XXXX

FOR
COMPOST SOLUTIONS INC.
AND
ROAD 27 LIMITED PARTNERSHIP
COMPOST FACILITY
GLENN COUNTY

The Monitoring and Reporting Program (MRP) is required pursuant to California Water Code (CWC) Section 13267. The Discharger shall not implement any changes to this MRP unless and until the Regional Water Board adopts or the Executive Officer issues a revised MRP. Changes to sample locations shall be established with concurrence of Regional Water Board staff. All samples should be representative of the volume and nature of the discharge or matrix or material samples. The time, date, and location of each sample shall be recorded on the sample chain of custody form. All analyses shall be performed in accordance with Standard Provision, Provisions for Monitoring (1 March 1991). The results of analyses performed in accordance with specified test procedures, taken more frequently than required at the locations specified in this MRP, shall be reported to the Regional Water Board and used in determining compliance.

GROUNDWATER MONITORING

Prior to collecting samples and after measuring the water level, each monitoring well shall be adequately purged to remove water that has been standing within the well screen and casing that may not be representative of formation water. The wells shall be analyzed for the following constituents:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Frequency</u>
Depth to groundwater	To 0.01 foot (hundredths)	Measured	Quarterly ¹
Groundwater elevation	Above mean sea level, to 0.01 foot (hundredths)	Calculated	Quarterly ¹
pH	pH units	Grab	Quarterly ¹
Electrical Conductivity	umhos/cm	Grab	Quarterly ¹
Nitrate as N	mg/L	Grab	Quarterly ¹
Ammonia as N	mg/L	Grab	Quarterly ¹
Total Kjeldahl Nitrogen	mg/L	Grab	Quarterly ¹
Total Coliform	MPN/100mL	Grab	Quarterly ¹
Total Dissolved Solids	mg/L	Grab	Quarterly ¹
Total Organic Carbon	mg/L	Grab	Quarterly ¹
Standard Minerals ²	mg/L	Grab	Annually

¹Semiannually (Spring and Fall) after one-year submittal of required analyses.

²Standard minerals shall include, at minimum, the following elements/compounds: boron, calcium, chloride, fluoride, manganese, magnesium, iron, phosphate, potassium, sodium, sulfate, total alkalinity (including alkalinity series), and hardness.

COMPOST/STORAGE MONITORING

The Discharger shall conduct **weekly** leachate monitoring of all composting and storage areas to determine if leachate is present on the pad surfaces. If leachate is present, the estimated quantity and/or extent of the leachate and whether it was collected and returned to the compost shall be recorded. Leachate monitoring data shall be submitted **monthly**.

REPORTING

The Discharger shall report field and laboratory test results in monthly leachate and quarterly groundwater Monitoring Reports (semiannually after the first year). The Discharger shall submit monthly, quarterly, and semiannual reports to the Regional Water Board **by the 1st day of the second month** following the monitoring period. The Discharger shall arrange the data in tabular form so that the date, the constituents, the concentrations, and units are readily discernable. A discussion of the monitoring results shall precede the tabular summaries. The Discharger shall submit the annual monitoring report to the Regional Water Board by **1 January** of each year.

Each annual report is to include the following information:

- a. A summary of the facility's overall state of compliance with WDR Order No. R5-2007-XXXX;
- b. A discussion of the monitoring results including a description of monitoring conducted, where the samples were collected, and a summary of the sampling protocol;
- c. Tabulated cumulative monitoring data;
- d. A copy of the laboratory analytical reports and chain of custody;
- e. Description of the types of feedstock, agricultural amenities, additives, and amendments used in the composting process during the operating period;
- f. A range of percentages of feedstock, agricultural amenities, additives, and amendments used in the composting process during the operating period;
- g. An estimate of the maximum volume, in cubic yards, of green waste compost and green waste material undergoing the composing process that were present at the facility during the operating period;
- h. Tabular format of all leachate, rainfall, compost moisture content, and production information collected;
- i. A discussion of any events that threatened public health, created a nuisance, threatened surface or ground water quality, or otherwise resulted in violation of

this Order addressed during the operating season, together with the Discharger's response to each such event;

- j. A brief description of preparations for the rainy season (including, but not limited to, site grading, erosion controls, and storage bunkers).
- k. Contact list of key operating personnel.

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

As required by the California Business and Professions Code Sections 6735, 7835, and 7835.1, all reports requiring a technical interpretation shall be prepared by a California registered professional engineer or certified engineering geologist (or their subordinate) and signed by the registered or certified professional.

The Discharger shall sign a cover letter transmitting each monitoring report (monthly, quarterly, semi-annual, annual) that shall include the following certification:

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 knowledge and 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 effective date of this Order.

Ordered by:

PAMELA C. CREEDON, Executive Officer

(Date)