

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM NO. 00-045  
FOR  
RIVERSIDE COUNTY WASTE MANAGEMENT DEPARTMENT, LAND OWNER  
SALADO CREEK ENTERPRISES LLC, FACILITY OWNER/OPERATOR  
COACHELLA LANDFILL COMPOST FACILITY  
North of Coachella – Riverside County

Location of Discharge: Section 22, T5S, R8E, SBB&M, North of Coachella- Riverside County

**A. MONITORING GENERAL**

1. The reporting responsibilities of the discharger are specified in the California Water Code. This self monitoring program is issued in accordance with Provision No. 1 of Regional Board Order No. 00-045. The principal purpose of this Self- Monitoring Program is:
  - a. To document compliance with the Waste Discharge Requirements adopted by the Regional Board.
  - b. To facilitate a self-policing by the discharger in the prevention and abatement of pollution arising from the discharge.
  - c. To conduct leak detection and water quality analyses.
2. All analytical methods not specified below or in the Monitoring and Response Plan shall be conducted in accordance with U.S. Environmental Protection Agency approved procedures. Analyses shall be conducted by a laboratory certified by the California Department of Health Services to perform the required analyses, unless a field analysis is specified.

**B. MONITORING REPORTS AND OBSERVATION SCHEDULE**

The reporting period for the monitoring program is semi-annual. An annual report, which is a summary of all the monitoring during the previous year, shall also be submitted to the Regional Board. The submittal dates for each reporting period shall be as follows:

1. Semi-annual Monitoring Reports
  - a. First Semi Annual (January 1, through June 30) - report due by July 31
  - b. Second Semi-Annual (July 1 through December 31) - report due February 15
2. Annual Summary Report

January 1 through December 31 - report due on March 15 of the following year.

**C. REPORTS TO BE FILED WITH THE BOARD**

A written "Detection Monitoring Report" shall be submitted twice annually, in addition to an "Annual Summary Report". The report shall be submitted by the above-specified date. The following information/data should be included in each report:

**1. Semi - Annual Monitoring Report Requirements:**

**a. General Information**

The following shall be included:

1. The general condition of the berms around the perimeter of the facility and surface impoundments.
2. The general conditions of the windrows and screening process area including whether leachate has been observed at the piles.
3. If there is a fire during the reporting period, a summary report transmitting the essential points of the cause of the fire, estimated volume of water used to suppress it, and a brief on the management practices of the fire water runoff shall be reported in the semi-annual report.
4. If pesticides and herbicides were used for pest or weed control during the reporting period, a summary including quantity applied shall be reported in the semi-annual report.
5. Estimated quantity in tons of green waste received and shipped during the six months reporting period.
6. Estimated quantity of green waste, recycled new dry wall, and products in different stages at the site.
7. If there is any liquid in the 40-mil lined sump, report the estimated volume.
8. If leachate is observed emanating from the windrows or compost piles describe the physical characteristics and estimated volume of leachate.
9. Describe general monitoring procedures used and any vapor detected by the monitoring devices.
10. Letter of Transmittal. A letter transmitting the essential points shall accompany each report. Such a letter shall include a discussion of any requirement violations found since the last such report was submitted, and shall describe actions taken or planned for correcting those violations. If the discharger has previously submitted a detailed time schedule for correcting the violations, a reference to the correspondence transmitting the schedule will be satisfactory. If no violations have occurred since the last submittal, this shall be stated in the letter of transmittal. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer, at the level of vice-president or above, or by his/her duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct;

**b. Leak Detection from the 40-Mil Lined Pond**

The monitoring system consists of a number of monitoring devices. The monitoring devices assist in determining whether vapor or liquid has passed through the liner. The monitoring frequency is quarterly. The reporting frequency is semi-annual and annually. The following are the monitoring and reporting requirements:

1. Testing of Monitoring Device: For each monitoring device addressed by the report, a description of the method and time of testing, type of equipment, and method of equipment calibration.
2. If the monitoring device detects vapor, vapor samples shall be collected and analyzed for volatile organic compounds, methane, methanol, ethanol, carbon dioxide, hydrogen sulfide, and ammonium.
3. If the monitoring device detects liquid, a report that includes a workplan and constituents for testing shall be filed for Regional Board's Executive approval.

**c. 40-Mil Lined Sumps**

The sump monitoring program is liquid waste monitoring. Liquid waste monitoring sampling assists in determining the quality of the wastewater discharged to the pond. The monitoring frequency is quarterly. The reporting frequency semi-annual and annually. The following are the monitoring and reporting requirements:

1. Pre-Sampling: A description of the sampling location and detailed description of the sampling procedure (number and description of the samples, field blanks, travel blanks, and duplicate samples taken, the type of containers and preservatives used, the date and times of sampling, the names and qualifications of the person actually taking the samples, and any other observations).
2. Liquid waste samples shall be collected, if present, once time per quarter from the evaporation basins and shall be analyzed for the following constituents: pH, total dissolved solid, specific conductivity, sulfate, nitrate, phosphate, carbonate, total coliforms, fecal coliforms/E.coli.
3. Liquid samples also shall be collected, if present, from the sump by December of each year, and analyze for the following constituents: sulfate, nitrate, arsenic, antimony, lead, total chromium, copper, selenium, nickel, mercury, volatile organic compounds, total petroleum hydrocarbons, total coliforms and fecal coliforms/E. Coli.

## 2. Annual Summary Report

The discharger shall submit an annual report in March of the following year to the Regional Board covering the previous monitoring year. The reporting period ends December 31 of each year. This report shall contain:

- a. All monitoring analytical data obtained during the previous two six-month Reporting Periods. Analytical data should be presented in a tabular form.
- b. A comprehensive discussion of compliance record, and the result of any corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements;
- c. A written summary of monitoring devices monitoring data, vapor and water analyses if any found by the monitoring devices, and water analyses data, if any, from the evaporation basins.

## 3. Contingency Reporting

- a. The discharger shall report by telephone concerning any reportable release of liquids from the designated area within 48 hours after it is discovered. A written report shall be filled with the Regional Board within seven (7) days, containing at least the following information:
  1. A map showing the location(s) of the discharge;
  2. A description of the nature of the discharge (e.g., all pertinent observation and analyses); and
  3. Corrective measures under way or proposed.
- b. Should a release be tentatively identified, the discharger shall notify within 48 hours the Regional Board verbally as to the monitoring point(s) and constituents or parameter(s) involved, shall provide written notification within seven days of such determination, and shall carry out a discrete retest. If the retest confirms the existence of a release, the discharger shall carry out the requirements of **(d)** below. In any case, the discharger shall inform the Regional Board of the outcome of the retest as soon as the results are available, following up with written results submitted by certified mail within seven days of completing the retest.
- c. If either the discharger or the Regional Board determines that there is significant physical evidence of a release, the discharger shall immediately notify the Regional Board of this fact (or acknowledge the Regional Board's determination) and shall carry out the requirements of (d) below for all potentially-affected monitored media.
- d. If the discharger concludes that a release has been discovered:
  1. If this conclusion is not based upon "direct monitoring" of the of the Constituent of Concern, then the discharger shall, within thirty days, sample for all Constituents of Concern at all Monitoring Point and submit them for laboratory analysis. Within seven days of receiving the laboratory analytical results, the discharger shall notify the Regional Board, of the concentration of all Constituents of Concern at each Monitoring Point.

2. The discharger shall, within 90 days of discovering the release, submit a Revised Report of Waste Discharge proposing an Evaluation Monitoring Program.
  3. The discharger shall, within 180 days of discovering the release, submit a preliminary engineering feasibility study for remediation.
- e. Any time the discharger concludes - or the Regional Board Executive Officer concludes - that a liquid - or gaseous -phase release from the Unit has proceeded beyond the facility boundary, the discharger shall so notify all persons who either own or reside upon the land that directly overlies any part of the plume (affected persons).
1. Initial notification to affected persons shall be accomplished within seven days of making this conclusion and shall include a description of the discharger's current knowledge of the natural extend of the release; and
  2. Subsequent to initial notification, the discharger shall provide updates to all Affected Persons - including any newly Affected Persons - within seven days of concluding there has been any material change in the natural or extent of the release.

**D. RECORDS TO BE MAINTAINED**

Written reports shall be maintained by the discharger or laboratory, and shall be retained for a minimum of five years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board. Such records shall show the following for each sample:

1. Identity of sample and of the Monitoring point from which it was taken, along with the identity of the individual who obtained the sample;
2. Date and time of sampling;
3. Date and time that analyses were started and completed, and the name of the personnel performing each analysis;
4. Complete procedure used, including method of preserving the sample, and the identity and volumes of reagent used;
5. Calculation of the results; and
6. Result of analyses, and the Maximum Detection Limit (MDL) for each analysis

**SUMMARY OF MONITORING AND REPORTING REQUIREMENTS**

**C.(1.)(a). General Information**

<u>Parameters</u>	<u>Unit</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
1. Condition of the berms around perimeter of the facility and surface impoundments.	-----	-----	Semi-annual
2. Conditions of the grids, windrows, screening annual process area.	-----	-----	Semi-annual
3. A summary of Fire(s) if there is any. annual	-----	-----	Semi-annual
4. Report of pesticides and herbicides applied to grids, windrows, final produce if applied it.	-----	-----	Semi-annual
5. Quantity of green waste received and shipped.	-----	-----	Semi-annual
6. Estimated quantity of green waste, dry wall, and product at different stage at the site.	-----	-----	Semi-annual
7. Estimated volume of liquid in the sump (if any).	-----	-----	Semi-annual
8. Description of leachate physical characteristic and estimate volume if leachate runoff.	-----	-----	semi-annual
9. General description of any finding for each lysimeter monitoring.	-----	-----	Semi-annual
10. Letter of transmittal.	-----	-----	Semi-annual

**C.(1.)(b). Leak Detection from the 40- Mil Lined Sumps**

<u>Parameters</u>	<u>Unit</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
1. Description of monitoring devices operational condition	----	Quarterly	Semi-annual
2. If vapor is detected, analyze for the following:	-----	Quarterly	Semi-annual
1. Volatile organic compounds	mg/L	Quarterly	Semi-annual
2. Methane	mg/L	Quarterly	Semi-annual
3. Methanol	mg/L	Quarterly	Semi-annual
4. Ethanol	mg/L	Quarterly	Semi-annual
5. Carbon dioxide	mg/L	Quarterly	Semi-annual
6. Hydrogen sulfide	mg/L	Quarterly	Semi-annual
7. Ammonium	mg/L	Quarterly	Semi-annual
3. If liquid is detected by the monitoring devices, provide a workplan to the Regional Board's Executive for approval.	-----	Quarterly	Semi-annual

4. If the sump contains liquid by the sampling time provide the following:
1. Pre-sampling - a description of the sampling location and procedures ----- Quarterly Semi-annual
  2. Analyze liquid samples for the following:
    1. pH ----- Quarterly Semi-annual
    2. Total Dissolve solid mg/L Quarterly Semi-annual
    3. Specific conductance  $\mu$ mohs/cm Quarterly Semi-annual
    4. Sulfate mg/L Quarterly Semi-annual
    5. Nitrate mg/L Quarterly Semi-annual
    6. Phosphate mg/L Quarterly Semi-annual
    7. Carbonate mg/L Quarterly Semi-annual
    8. Total coliforms #/100 ml Quarterly Semi-annual
    9. Fecal Coliforms/E Coli #/100 ml Quarterly Semi-annual
    10. Total nitrogen mg/L Quarterly Semi-annual
5. If the sump contains liquid by December of each year, also analyze liquid sample for the following:
1. Sulfate mg/L Annually Annually
  2. Nitrate mg/L Annually Annually
  3. Arsenic mg/L Annually Annually
  4. Antimony mg/L Annually Annually
  5. Lead mg/L Annually Annually
  6. Total mg/L Annually Annually
  7. Selenium mg/L Annually Annually
  8. Nickel mg/L Annually Annually
  9. Mercury mg/l Annually Annually
  10. Total petroleum hydrocarbon mg/L Annually Annually
  11. Volatile organic compounds mg/L Annually Annually
  12. Total coliforms #/100 ml Annually Annually
  13. Fecal coliforms/E.coli #/100 ml. Annually Annually

- C.(2.) Annual Summary Report** ----- ----- Annually
- C.(3). Contingency Reporting** ----- ----- Within 48 hr.

### REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. Record of monitoring information shall include:
  - a. The date, exact places, and time of sampling or measurement(s);
  - b. The individual(s) who performed the sampling or measurement(s);
  - c. The date(s) analyses were performed;
  - d. The individual(s) who performed the analyses;

- e. The analytical techniques or method used; and
  - f. The result of such analyses.
3. Each report shall contain the following statement:
- “I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, 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 for knowing violations.”
4. A duly authorized representative of the discharger may sign the documents if:
- a. The authorization is made in writing by the person described above;
  - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
  - c. The written authorization is submitted to the Regional Board’s Executive Officer.
5. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
6. Semi - annual-monitoring reports shall be submitted to the Regional Board in accordance with the following schedule:
- First Semi-annual (January 1 through June 30) - due July 31  
 Second Semi-annual (July 1 through December 31) - due February 15
7. Annual summary report shall be submitted to the Regional Board by March 15 of each year.
8. Submit Monitoring Reports to:
- California Regional Water Quality Control Board  
 Colorado River Basin Region  
 730720 Fred Waring Drive, Suite 100  
 Palm Desert, CA 92260

Ordered by:

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Executive Officer

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May 10, 2000  
 Date