

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

**MONITORING AND REPORTING PROGRAM (CI-5770)**  
FOR  
SEAGULL SANITATION SYSTEMS  
(Pebbly Beach Landfill)  
(File No. 72-030)

Seagull Sanitation Systems (Discharger) shall implement this Monitoring and Reporting Program beginning at the first quarter of 2002. The first monitoring report under this program is due by May 15, 2002.

**I. General Reporting Requirements**

- A. All reports submitted under this program must be addressed to the Regional Water Quality Control Board, Los Angeles Region, Attention: Information Technology Unit. The reports shall be referenced to Compliance File No. CI-5770 to facilitate routing to the appropriate staff and file.
- B. Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	May 15
April - June	August 15
July - September	November 15
October - December	February 15

Quarterly sampling shall be performed during the months of February, May, August, and November. Annual sampling shall be performed during November. In the event sampling is not performed as above because of unforeseen circumstances, substitute sampling shall be performed as soon as possible after these times, and the reason for the delay shall also be given in the appropriated monitoring reports.

- C. All quarterly reports shall include waste disposal information, groundwater monitoring data, results of waste-load-checking program, results of visual leachate seepage inspection, and any other information that is appropriate for the monitoring interval.
- D. For each year, the October - December quarterly report shall contain a summary of all the monitoring data obtained during the calendar year. It shall also contain the natural background groundwater water quality data required in Section D.2. of Order No. R4-2002-0058. The stormwater sampling data that are required in the stormwater annual report shall also be included in this quarterly report.

- E. The Discharger shall submit all monitoring data in hard copy. The Regional Board is developing a database management system that, when it becomes fully operational, may require the Discharger to submit the monitoring reports electronically.
- F. If the Discharger performs analyses for any parameter more frequently than required by this Program, using approved analytical methods, the results shall be included in the monitoring report.
- G. The Discharger may submit additional data to the Regional Board not required by this Program in order to simplify reporting to other agencies.
- H. Results of the waste-load-checking program shall be reported in each quarterly monitoring report. In the event that hazardous or other unacceptable wastes are detected, the Regional Board shall be notified by telephone or facsimile within 24 hours, and by writing within seven days. The type, source, and final disposition of those wastes shall also be reported.
- I. The Discharger shall retain records of all monitoring information, including all calibration and maintenance records regarding monitoring instrumentation, and copies of all data submitted to regulatory agencies, for a period of at least five years. This period may be extended by request of the Regional Board at any time, and shall be extended during the course of any unresolved litigation regarding all or any part of the entire disposal site.

## **II. Waste Disposal Reporting**

- A. The first report to the Regional Board shall include a map of the site indicating the areas that are currently being filled. This map shall be updated annually and included in the fourth quarterly report of the each year.
- B. For each calendar quarter, the following information shall be reported (Analytical data that are performed annually shall be included in the October – December quarterly report):
  - 1. A tabular list of the estimated average monthly quantities (in cubic yards) and types of materials (i.e., municipal solid waste, dewatered sewage sludge, inert waste, baled waste, and etc.) accepted and processed at the facility. If no wastes are disposed of during the quarter, the report shall so state.
  - 2. An estimate of the remaining life of the site in years and months.
  - 3. The estimated amount of water used at the waste management area for landscape irrigation, compaction, dust control, etc., during each month of the quarter. (If a source other than potable water is used, the sources and amounts of water from each source shall also be reported).

- C. On an annual basis, a representative sample of the dewatered sewage sludge received at the landfill shall be collected and analyzed for moisture content, total nitrogen, total phosphorous, pesticides, PCBs, and trace metals including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, tin, vanadium, and zinc.
- D. On an annual basis, a representative sample of the compost produced at the landfill shall be collected and analyzed for trace metals including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, tin, vanadium, and zinc. If the total concentration of any of these metals exceeds ten time the Soluble Threshold Limit Concentration (STLC) of that metal (as defined in Title 22, California Code of Regulations, Section 66261.24, Appendix II), the sample shall also be analyzed with the Waste Extraction Test (WET) method for that element.
- E. The Discharger shall report all unacceptable wastes inadvertently received at this site and their disposition. The following details shall be included:
  - 1. The source (if known), including the hauler, of the unacceptable wastes and date received and/or discovered.
  - 2. Identification of waste (if known) and the amount of waste.
  - 3. The name and address of the hauler who removed the waste from this site.
  - 4. The ultimate point of disposal for the waste.
  - 5. The Discharger's actions to prevent recurrence of the attempted depositing of unacceptable wastes by this source or individual (if applicable).

If no unacceptable wastes were received (or discovered) during the quarter, the report shall so state.

### **III. Ground Water Monitoring**

- A. Groundwater shall be sampled quarterly at monitoring well MW1 and analyzed for the following parameters at the required frequency:

<u>Parameter</u>	<u>Units</u>	<u>Frequency of Analysis</u>
pH	pH units	Quarterly
Electrical conductivity	umhos/cm	Quarterly
Total dissolved solids (TDS)	mg/l	Quarterly
Chloride	mg/l	Quarterly

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Sulfate	mg/l	Quarterly
Nitrates (as N)	mg/l	Quarterly
Ammonia (as N)	mg/l	Quarterly
Boron	mg/l	Annually
Fluoride	mg/l	Annually
Iron	mg/l	Annually
Total hardness (as CaCO <sub>3</sub> )	mg/l	Annually
Bicarbonate (HCO <sub>3</sub> )	mg/l	Annually
Total organic carbon (TOC)	mg/l	Annually
Trace metals (including Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Tl, V, Zn, Hg)	µg/l	Annually
Volatile organic compounds (VOCs)	µg/l	Annually
Organochlorine Pesticides	µg/l	Tri-annually*
Organophosphate Pesticides	µg/l	Tri-annually*
Phenoyl acid herbicides	µg/l	Tri-annually*
Polychlorinated Biphenyls (PCBs)	µg/l	Tri-annually*
Acid/base/neutral extractables	µg/l	Tri-annually*

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\* Starting November 2003.

- B. During each quarterly sampling event, the Discharger shall record the condition of the well, groundwater levels before and after the sampling events, and any abnormal color or odor of the water sample. Such information shall be included in the quarterly report.
- C. At least on a quarterly basis, the Discharger shall visually monitor leachate seeps at the toe, interior slopes, and edges of the landfill. In the event that a leachate seep is detected, the Regional Board shall be notified by telephone or facsimile within 24 hours and by writing within seven days.
- D. The groundwater monitoring program is to be continued even during periods when no wastes are deposited at the disposal site, and throughout the active life and post closure maintenance period of the landfill.
- E. All chemical analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services Environmental Laboratory Accreditation Program, or approved by the Executive Officer. Laboratory analyses must follow methods approved by the United States Environmental Protection Agency (EPA), and the laboratory must meet EPA Quality Assurance/Quality Control criteria.
- F. For any analyses performed for which no procedure is specified in the EPA guidelines, or in this Order, the constituent or parameter analyzed, and the method or procedure used, must be specified in the report.

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- G. Analytical data reported as "less than" shall be reported as less than a numeric value, or below the limit of detection, for that particular analytical method.
- H. The monitoring report must also include the following:
1. Sampling protocol and analytical methods used;
  2. If any required samples were omitted during the reporting period, a statement to that effect shall be made and reasons given for any omission;
  3. For any monitored waste parameter which is listed as such by the EPA or by the State of California, the Discharger shall compare such data to the most stringent allowable concentrations under all existing Federal and State regulations;
  4. An evaluation of the results of the testing signed by a California registered geologist or professional engineer.

Ordered by: \_\_\_\_\_  
Dennis A. Dickerson  
Executive Officer

Date: February 28, 2002