



Pete Wilson
Governor

DP

*See RHN files
re: auto shredder*

Los Angeles
Regional Water
Quality Control
Board

November 1, 1996

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**REVISED MONITORING AND REPORTING PROGRAM FOR ACCEPTANCE OF
NON-HAZARDOUS TREATED AUTO SHREDDER WASTE (TASW). BRADLEY
LANDFILL AND RECYCLING CENTER (BLRC), SUN VALLEY
(File No. 78-027) (CI No. 6434)**

We have reviewed and approved your request of September 10, 1996, for acceptance of TASW over lined portions of BLRC.

Attached is revised Monitoring and Reporting Program No. 6434 of this Regional Board's Order No. 94-059 for BLRC. Two revisions were made to this program:

1. The revised program adds Subsections D through I to Section II. Waste Disposal Reporting. These subsections pertain to reporting and analytical requirements for the acceptance of nonhazardous TASW. Section 66261.126 of Title 22, California Code of Regulations, specifies testing procedures to be followed for analysis of TASW. TASW may be disposed only over those portions of BLRC underlain by a Subtitle D equivalent liner as defined in 40CFR, Part 258.40.
2. The revision is also changed to reflect ongoing semi-annual monitoring, in accordance with your "Proposed Monitoring and Reporting Program" of August 9, 1995. This, however, does not constitute final approval of the August 9, 1995, program; only the semi-annual frequency has been approved.

If you have any questions, please call Don Peterson at (213) 266-7578.

Rod Nelson

ROD NELSON, Chief
Landfills Unit

cc: Jorge Leon, State Water Resources Control Board
Elizabeth Haven, State Water Resources Control Board
Steve Dolan, California Integrated Waste Management Board
Wayne Tsuda, City of Los Angeles, Department of Environmental Affairs
Aspet Chater, Hugo Neu-Profer Company
Enclosure (1)

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. 6634
FOR
WASTE MANAGEMENT OF CALIFORNIA, Inc.
(Bradley Landfill and Recycling Center)**

(File No. 78-027)

I. GENERAL REPORTING REQUIREMENTS

- A. Bradley Landfill and Recycling Center (the discharger) shall submit waste disposal and water quality monitoring reports to the Regional Board semi-annually, due 30 days from the last day of the month of the semi annual monitoring period. The first monitoring report under this program is due October 30, 1996. Subsequent to receipt of any reports required by Water Quality Monitoring item E-4 of Order No. 94-059, this Monitoring and Reporting Program shall be revised accordingly.
- B. Each monitoring report must affirm in writing that all analyses were conducted at a laboratory certified for such analyses in accordance with Section 13176 of the California Water Code (CWC) and in accordance with current EPA guideline procedures contained in 40 CFR Part 136, or as specified in this Monitoring Program.
- C. For any analyses performed for which no procedures are specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.
- D. The discharger may submit additional data to the Board not required by this program in order to simplify reporting to other regulatory agencies.
- E. The following items in the attached "General Monitoring and Reporting Provisions" shall be applicable to this program: Items 1, 4, 5, 7, 8 (with the exception that the report shall be due April 30 of each year), 9, 10, 11, 12, 13, 14, and 15.
- F. The Winter/Spring monitoring period is October 1 through March 31 of each monitoring year. The Summer/Fall monitoring period is April 1 through September 30 of each monitoring year. Annual monitoring will be done in the Winter/Spring monitoring period. In the event monitoring is not performed as above because of unforeseen circumstances, substitute monitoring shall be performed as soon as possible after these times, and the reason for the delay shall also be given.
- G. Where the units for a parameter are listed as μL (ppb), suitable analytical techniques shall be used to achieve this precision. All method detection limits and practical quantitation limits shall be below the current Action Levels recommended by the Department of Health

Services, Sanitary Engineering Branch or the minimum limit of detection specified in EPA Methods or Appendix A, 40 CFR 136 if the Action Level is not achievable.

- H. 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 (also give the limit of detection).
- I. All analytical samples obtained for this Program shall be grab samples.
- J. If the discharger performs analyses for any parameter more frequently than required by this program using approved analytical methods, the results of those analyses shall be included in the monitoring report.
- K. The waste load checking program implemented at the site is approved. The results of the waste load checking program shall be reported in each monitoring report. In the event that hazardous wastes or other unacceptable materials are detected, the type, source, and disposition of those wastes shall also be reported.
- L. 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 site.
- M. Records of monitoring information shall include:
 - 1. The date, exact place, procedure and time of sampling or measurement;
 - 2. The individual(s) who performed the sampling or measurement;
 - 3. The date(s) analyses were performed on the samples;
 - 4. The individual(s) who performed the analyses;
 - 5. The analytical techniques or methods used; and
 - 6. The results of the analyses or measurements.

II. WASTE DISPOSAL REPORTING REQUIREMENTS

- A. The first report to the Regional Board shall include a map of the site and shall indicate the area(s) where disposal is taking place or will begin. This map shall be updated monthly and summarized and submitted with the annual report due April 30. If a new area is started, it shall be updated with the corresponding monthly report.
- B. A waste disposal report containing the following information shall be filed with this Regional Board each quarter:

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BRADLEY LANDFILL
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Order No. 94-059

1. A tabular list of the estimated average monthly quantities (in cubic yards and tons) and types of materials (including dewatered sewage sludge) deposited each month.
2. An estimate of the remaining capacity (in cubic yards and tons) and the remaining life of the site in years and months.
3. A certification that all wastes deposited were deposited in compliance with the Regional Board's requirements, and that no wastes were deposited outside of the boundaries of the waste management area as specified in the Regional Board's requirements.
4. A description of the location and an estimate of the seepage rate or flow of all known seeps and springs at the site.
5. The estimated amount of water used at the waste management area for landscape irrigation, compaction, dust control etc., during the month. (If other than drinking water is used, the sources and amounts of water from each source shall also be reported.)
6. Quantities of liquid pumped from the leachate monitoring sumps and/or extraction wells, shall include dates of removal, and the ultimate point of disposal. If no liquid was detected or pumped during the reporting period, a statement to that effect shall be submitted.

C. The discharger shall report all unacceptable (to this site) 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 (if known) and the amount of waste.
3. The name and address of the hauler (who removes the waste from this site), if different from the source.
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 month, the report shall so state.

- D. Treated Auto Shredder Wastes (TASW) accepted at this site shall be monitored in accordance with this Monitoring and Reporting Program.
1. During subsequent periods when there is no disposal of TASW, the monitoring report shall so state. Monitoring reports under this program shall be submitted by the discharger with the corresponding monitoring report for Order No. 94-059.
 2. Each monitoring report must affirm in writing that all chemical analyses were conducted at a laboratory certified for such analyses by the State Department of Health Services in accordance with Section 13176 of the California Water Code, and all sampling, preservation, storage and analyses were conducted in accordance with current EPA guideline procedures, or as specified in this Monitoring Program. For any analyses performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.
 3. The following items in the attached "General Monitoring and Reporting Provisions" shall be applicable to this Program: Items 1, 2, 6, 7, 8 (except by April 30), 9, 10, 11, 12, 13, 14, and 15.
 4. Where the units for a parameter are listed as $\mu\text{g/L}$ (ppb) suitable analytical techniques shall be used to achieve this precision.
 5. 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 (also give the limit of detection).
 6. The discharger may submit additional data to the Board not required by this Program in order to simplify reporting to other regulatory agencies.
- E. TASW samples from Hugo Neu-Proler Company or future TASW generators shall be sampled (see H below) and analyzed according to the Waste Extraction Test (WET) procedure described in Section 66261.126, Appendix II (Metals) and Appendix II-Table 4 (PCBs), Title 22, California Code of Regulations, for the following constituents:

WASTE EXTRACTION TEST PARAMETERS

<u>Constituent</u>	<u>Units</u>	<u>Analyses</u>
<u>SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC)</u>		
Cadmium and/or cadmium compounds	mg/L	monthly
Chromium and/or chromium compounds	mg/L	monthly
Copper and/or copper compounds	mg/L	monthly
Lead and/or lead compounds	mg/L	monthly
Mercury and/or mercury compounds	mg/L	monthly
Nickel and/or nickel compounds	mg/L	monthly
Zinc and/or zinc compounds	mg/L	monthly
<u>TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC)</u>		
Polychlorinated biphenyls (PCBs)	mg/kg	monthly

- F. TASW samples from each source shall also be analyzed once per month for volatile organic compounds using EPA Method 8240. A grab sample shall be randomly obtained from the sampler for this analysis and immediately sealed in an appropriate container.
- G. Composite samples of the waste stream from each shredder source shall be collected daily according to the following procedure: The waste stream will be cut every half-hour and approximately a one pound sample obtained. At the end of eight hours the sample will be coned, quartered and two samples obtained. The combined samples for one week will be mixed, coned and quartered prior to submission to the laboratory. One weekly composite shall be subjected to the monthly testing. The shredder waste producers may present an alternate procedure for compositing samples for Executive Officer approval.
- H. The discharger shall tabulate and report the quantity of TASW deposited each calendar month and the number of loads deposited from Hugo Neu-Proler or other TASW generators. The discharger shall also submit copies of all analytical results of wastes deposited with each report.
- I. The discharger shall notify the Regional Board within 24 hours, and confirm in writing within five calendar days, of each load of shredder wastes refused for disposal and the reason for refusal.

III. GROUND WATER AND VADOSE ZONE MONITORING

A. Provisions and General Requirements

1. For the purposes of this Program, the terms "monitoring well", "extraction well", "confirmation well", "piezometer", and "sump" are synonymous.
2. The ground water and vadose zone monitoring program must be carried out during the active life of this waste management area, during the closure and post-closure care periods, and during any interim periods when no wastes are deposited at the site.

3. Analytical results for ground water monitoring shall be submitted semi-annually. If a well was not sampled (or measured) during the reporting period, the reason for the omission shall be given. If no fluid was detected in a monitoring well, a statement to that effect (in lieu of analyses) shall be submitted.
4. Monthly observations and measurements of the static water levels shall be made on all monitoring wells and records of such observations shall be submitted with the semi-annual reports. All monitoring wells shall be sounded each November to determine total depth, an exception being that wells containing dedicated submersible pumps shall be sounded at such times as pumps are pulled for maintenance or repairs.
5. A duplicate sample shall be taken at one well for all parameters during each sampling round.
6. No filtering of samples taken for VOCs analyses shall be permitted. Unfiltered samples shall be tested for total metals, and filtered samples (no less than .45 microns) shall be tested for dissolved metals. Both samples are preserved with nitric acid; however, care shall be taken that the dissolved metals samples are not exposed to acids until after filtering.
7. The velocity and direction of ground water flow under the waste management unit shall be determined every third quarter. ("Third" means nine months later, not the July to September quarter.)
8. Pumping data regarding fluid pumped from each well and leachate collection and removal systems shall be reported to the Regional Board each month in the monthly waste disposal report and shall include:
 - a. Date and quantity of fluid pumped, and the method of disposal or reuse purpose if reused. Quantity of any wash water used shall also be reported.
 - b. If no fluid was pumped during the month from any monitoring well and/or leachate collection and removal system, a statement to that effect shall be submitted.
 - c. A statement that, during the reporting period, all waste water was used only as specified, and for the uses specified, in the waste discharge requirements.
 - d. Approximate acreage receiving reused water for irrigation (if any).
 - e. If all or a portion of the water was not reused because of a failure to meet the limits specified in the waste discharge requirements, the report shall so state and identify the disposition of the effluent.

B. Monitoring Well Locations

1. Representative ground water samples shall be obtained from at least the following monitoring wells/ sample points. The discharger may monitor and submit additional data from other wells if they so choose.

a. Upgradient wells:

4914G	4915A	4915B	4915C	4915D
4915E	4915M			

b. Downgradient wells:

4916D	4916F	4926C	4916G	4916H
4916J	4916L			

- c. 4916C is located west of the Verdugo Fault, and monitors a different ground water regime.

C. Sampling and Analyses

1. The following are the indicator parameters and applicable waste constituents for this facility:

INDICATOR PARAMETERS

<u>Parameters</u>	<u>Units</u>
BOD ₅ 20°C	mg/L
COD	mg/L
Bromoform	mg/L
Carbon tetrachloride	µg/L
Chlorobenzene	µg/L
Chlorodibromomethane	µg/L
Chloroethane	µg/L
2-Chloroethylvinyl ether	µg/L
Chloroform	µg/L
Dichlorobromomethane	µg/L
1,2-Dichlorobenzene	µg/L
1,3-Dichlorobenzene	µg/L
1,1-Dichloroethane	µg/L
1,2-Dichloroethane	µg/L
1,1-Dichloroethylene	µg/L
1,2-Dichloropropane	µg/L
cis-1,3-Dichloropropylene	µg/L
trans-1,3-Dichloropropylene	µg/L
Methyl bromide	µg/L
Methyl chloride	µg/L
1,1,2,2-Tetrachloroethane	µg/L
Perchloroethylene	µg/L
trans-1,2-Dichloroethylene	µg/L

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3. Once a year, during the Annual monitoring period, all wells, lysimeters, and leachate collection and removal systems shall be sampled. These samples shall be analyzed for volatiles, semi-volatiles, pesticides and PCBs using EPA Methods 8240, 625 and 8080. After completion of one year of monitoring, determinations by Method 8080 will not be required unless warranted by the presence of appreciable contamination. All peaks greater than 10% of the internal standard should be identified and quantified for gas chromatography analyses. The following metals shall also be determined: antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, lead, mercury, manganese, nickel, potassium, selenium, silver, and zinc. Total cyanide and sulfides shall also be determined.

Ordered By: Robert P. Ghirelli
ROBERT P. GHIRELLI, D.Env.
Executive Officer

Date: 11/1/96