CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 2567
FOR

AZUSA LAND RECLAMATION COMPANY, INC. (ALR)
AZUSA LAND RECLAMATION LANDFILL
(File No. 59-102)

I. Reporting

A. The discharger shall implement this Monitoring and Reporting Program beginning December 1, 1988. Monitoring reports shall be submitted to the Board quarterly, by the first day of the second following month. The first monitoring report under this program is due February 1, 1989. Subsequent to receipt of the report required by Water Quality Monitoring item E-3 of Order No. 88-133, 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 Water Code and in accordance with current EPA guideline procedures, 40 CFR Part 261, 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 1,4,5,7,8,9 (with the exception that the report shall be due March 1st of each year),10,11,12,14, and 15.

F. Annual monitoring shall be performed during the month of November.

G. Where the units for a parameter are listed as ug/l (ppb), suitable analytical techniques shall be used to achieve this precision. All minimum limits of detection 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. After approval of the required waste load checking program, results of that checking program shall be reported in each monitoring report. In the event that unacceptable wastes are detected, the type, source, and disposition of those wastes shall also be reported.

L. ALR 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:

a. The date, exact place, and time of sampling or measurement;
b. The individual(s) who performed the sampling or measurement;
c. The date(s) analyses were performed on the samples;
d. The individual(s) who performed the analyses;
e. The analytical techniques or methods used; and
f. The results of the analyses or measurements.

II. Waste Disposal Reporting

A. The first monitoring report to the Board shall include a map of the site and shall indicate the area(s) where disposal has occurred in the past and where disposal is planned for the next year. This map shall be updated annually and submitted with the annual report due March 1. If a new area is started, it shall be updated with the corresponding quarterly report.

B. A report containing the following information shall be filed with this Board each quarter:

1. A tabular list of the estimated average monthly quantities (in tons) and types of materials deposited each month.

2. An estimate of the remaining capacity in cubic yards and the remaining life of the site in years and months.

3. A certification that all wastes deposited were deposited in compliance with the Board's requirements, and that no wastes were deposited outside of the boundaries of the waste management area as specified in the Board's requirements.

4. A description of the location of all seeps and springs found at the site (both the new waste management area and the former disposal areas) during the reporting period, with an estimate of seep water flow. Reference to previous reports will be acceptable, except that the annual report shall contain complete descriptions. Flow estimates shall be included in each quarterly report.

5. The estimated amount of water used at the waste management area for landscape irrigation, compaction, dust control, etc., during each month.

6. Quantities of liquid pumped from the leachate monitoring sumps including dates of removal, and the ultimate point of disposal if other than the leachate treatment plant. If no liquid was detected or pumped during the reporting period, a statement to that effect shall be submitted.

III. Ground Water and Vadose Zone Monitoring

A. Provisions

1. For the purposes of this Program, the terms "Monitoring Well", "Extraction Well", and "Piezometer" 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 periods when no wastes are deposited at the site.

3. Analytical results for ground water and vadose zone monitoring shall be submitted with the corresponding quarterly waste disposal report. If a well or monitoring device for vadose zone 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 or vadose device, 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 quarterly reports. All monitoring wells shall be sounded each November to determine total depth.

5. All sampling, sample preservation, and analyses must be conducted according to test procedures under 40 CFR Part 261, unless other test procedures have been specified in this Program or alternate procedures are approved by the Executive Officer.

6. Unless otherwise stated, all metals analyses shall be for the total metal, not for the dissolved phase only.

7. The velocity and direction of ground water flow under the waste management unit shall be determined quarterly for the first year, and every <u>third</u> quarter thereafter. ("third" means nine months later, not the July to September quarter.)

8. All monitoring wells shall be equipped with dedicated sampling pumps.

B. Groundwater Well and Vadose Zone Monitoring Device Locations

1. Representative ground water samples shall be obtained from at least the following monitoring wells. Azusa Land Reclamation Co., Inc., may monitor and submit additional data from other wells if they so choose.

<u>a. Existing Wells</u>

1,2,3,4, and 5

<u>b. New Wells</u>

ALR shall construct two monitoring wells Nos. 6 and 7 at locations between wells 1 and 3 on the western perimeter.

2. The precise locations, depths, well screen lengths and other design criteria for new groundwater wells and vadose zone monitoring devices shall be submitted to the Executive Officer for approval as required by the waste discharge requirements.

C. Sampling and Analyses

1. The following are the indicator parameters for this facility: Total dissolved solids, chlorides, sulfates, pH, total organic halogens, and COD.

2. Routine quarterly sampling and analyses shall consist of the following parameters:

Parameters	Units
pH[1]	pH units
Electrical conductivity	umhos/cm
Chemical oxygen demand	mg/l
Total dissolved solids	mg/l
Boron	mg/l
Alkalinity[1]	mg/l
Hardness (as $CaCO_3$)	mg/l
CO_2[1]	mg/l
Fluorides	mg/l
Chlorides	mg/l
Sulfates	mg/l
Iron	mg/l
Manganese	mg/l
Total organic carbon	mg/l
Total organic halogens	ug/l
Benzene	ug/l
Trichloroethylene	ug/l
Perchloroethylene	ug/l
Vinyl chloride	ug/l
Carbon tetrachloride	ug/l

[1] Although field determination is the preferred procedure for pH in the presence of dissolved carbon dioxide, pH may be determined in the laboratory if the total elapsed time between sampling and testing is less than 6 hours and the sample is properly sealed during transit. Each report shall certify that these conditions were met if laboratory determination of these parameters was done in lieu of field determination.

3. Once each year, during the month of November, all wells shall be sampled and these samples analyzed for volatiles, semi-volatiles, pesticides and PCB's using EPA Methods 624, 625 and 8080. Methods 601 and 602 may be substituted for 624. All peaks greater than 10% of the internal standard shall be identified and quantified for gas chromatography analyses. The following heavy metals shall also be determined: Arsenic, Barium, Cadmium, Total Chromium, Copper, Mercury, Nickel, Selenium, Silver, and Zinc. Total cyanides and sulfides shall also be determined.

Ordered By: Robert P. Mitarelli
Executive Officer

Date: November 28, 1988