California Regional Water Quality Control Board

Los Angeles Region

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Gray Davis
Governor

June 23, 2000

Mr. Dale Klein
Physical Plant Director
Claremont University Center
303 E. First Street
Claremont, CA 91711

Dear Mr. Klein:

WASTE DISCHARGE REQUIREMENTS – CLAREMONT INERT LANDFILL (FILE NO. 66-016)

Reference is made to our letter of May 4, 2000, which transmitted a copy of tentative waste discharge requirements and a monitoring and reporting program for the Claremont Inert Landfill.

Pursuant to Section 13263 of the California Water Code, this Regional Board, at a public meeting held on May 25, 2000, reviewed the tentative Order, considered all factors in the case, and adopted Order No. 00-070 and Monitoring and Reporting Program No. 5766 (copy attached) as revised at the meeting, relative to the discharge.

If you have any questions, please call Paul Cho at (213) 576-6721.

Sincerely,

Rodney H. Nelson

Rodney H. Nelson, Head
Landfills Unit

Enclosures

cc: Lisa Babcock, State Water Resources Control Board; Division of Clean Water Programs
Dixie Lass, California Regional Water Quality Control Board, Santa Ana Region
Richard Hanson, Los Angeles County Department of Health Services

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

ORDER NO. 00-070

WASTE DISCHARGE REQUIREMENTS
For
CLAREMONT UNIVERSITY CENTER
(CLAREMONT LANDFILL)
(File No. 66-16)

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), finds:

1. Claremont University Center (hereafter "discharger") owns and operates the Claremont Landfill, a 118-acre inert waste disposal site located at the northeast corner of the intersection of Claremont Boulevard and Arrow Route, within Chino Hydrologic Subarea (Figure 1), under waste discharge requirements contained in Order 73-014, adopted by this Regional Board on February 28, 1973.

2. The California Water Code Section 13263 provides that all requirements shall be reviewed periodically and, upon such review, may be revised by the Regional Board. These requirements are being revised to incorporate ground and surface water monitoring and a waste load checking program.

3. The Los Angeles-San Bernardino County line passes through the disposal site. The northwest portion comprising 30 acres is situated in the City of Claremont, Los Angeles County. The southeast portion comprising the remaining 88 acres is situated partly in the City of Upland, San Bernardino County, and partly in unincorporated San Bernardino County territory, within the jurisdiction of the California Regional Water Quality Control Board, Santa Ana Region.

4. This Regional Board assumes responsibilities for the entire Claremont Landfill site including the areas which fall under the jurisdiction of the California Regional Water Quality Control Board, Santa Ana Region, as stated in this Regional Board staff's Memorandum dated December 14, 1987.

5. The site is not open to the public and is being used by the discharger only. The material disposed at this site is clean earth or suitable fill material from construction sites or projects within Claremont University Center. Since no material disposed at this landfill will come from public or off-site sources, it will not be necessary for the waste load checking program required by Provision C.6. to include chemical characterization of the inert waste.

6. The discharger disposed approximately 4,000 cubic yards of fill material during the last two years. The estimated remaining life for the landfill is unknown due to the sporadic availability of fill material.

7. The site is located on the alluvial cone of San Antonio Wash in the Upper Santa Ana Valley Basin, and is underlain by water-bearing alluvial deposits. These deposits include an upper Recent alluvium of unconsolidated sand, gravels, and boulders; and a lower, thicker phase of finer-grained alluvium of Pleistocene Age containing numerous reddish-brown clayey horizons.

8. This Regional Board adopted a revised Water Quality Control Plan for the Los Angeles Region on June 13, 1994. The Plan contains beneficial uses and water quality objectives for ground water in the Upper Santa Ana Valley Basin. Beneficial uses of the ground water in the Upper Santa Ana Valley Basin include municipal, agricultural, and industrial services and process supply. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.

9. The revision of these waste discharge requirements constitutes an ongoing project as defined in Section 15261, Chapter 3, Title 14, California Administrative Code, and is therefore exempt from the provisions of the California Environmental Quality Act (Public Resource Code, Section 21100 et seq.).

The Regional Board has notified the discharger and interested agencies and persons of its intent to adopt waste discharge requirements for this discharge, and has provided them with an opportunity to submit their written views and recommendations.

The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge and to the tentative requirements.

IT IS HEREBY ORDERED, that Claremont University Center (discharger) shall comply with the following:

A. Discharge Specifications

1. Claremont Landfill is an inert waste landfill capable of accepting inert wastes only. Inert waste does not contain hazardous waste or soluble pollutants at concentrations in excess of applicable water quality objectives, and does not contain significant quantities of decomposable waste. Inert wastes do not need to be discharged at classified waste management units.

2. Wastes disposed at this site shall be limited to inert wastes only, such as, but are not limited to:

a. Earth, rock, gravel, and concrete
b. Asphalt paving fragments
c. Glass
c. Plaster products (excluding plasterboard)
d. Brick
e. Clay and clay products
f. Inert plastics

3. Prohibitions:

a. No hazardous wastes, designated wastes, or liquid wastes shall be deposited at this disposal site.
b. Non-hazardous solid wastes (decomposable organic refuse such as, but not necessarily limited to, ordinary household and commercial refuse, tin cans, metals, paper and paper products, plasterboard, cloth and clothing, wood and wood products, lawn clippings, sod, shrubbery, hair, hide, bones, dead animals, roofing paper, tar paper, unquenched ashes mixed, with refuse, market refuse, garbage, etc.) shall not be deposited at this site.
c. No materials of a toxic nature such as insecticides, poisons, or radioactive materials, shall be deposited at this site.
d. No asbestos or asbestos products shall be deposited at this site.
e. Wastes deposited at this site shall be confined thereto, and shall not be permitted to enter drainage ditches or watercourses.
f. Erosion of deposited materials by surface flow shall be prevented.
g. Neither the discharge nor any treatment of wastes shall cause pollution or nuisance.

4. The discharger shall remove and relocate at a legal disposal site any wastes that are discharged in violation of these requirements. For the purpose of these requirements, a legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith.

B. Water Quality Protection Limits

No groundwater protection limits have been prescribed at this time because no background water quality is currently available. Water quality protection limits will be established after one year of quarterly background water quality monitoring using the monitoring system as described in Provision C.1. of this Order and Section III of the Monitoring and Reporting Program No. 5766 (Attachment T).

C. General Provision

1. By August 31, 2000, the discharger shall submit a technical report, to be approved by the Executive Officer, to install a groundwater and surface water monitoring system to ensure that it can detect the water quality impact if pollutants are released from the landfill to groundwater. The report shall also include a time schedule for implementation. Prior to August 31, 2000, the discharger may submit a report documenting the disposal and operational history of this site, including a technical justification describing why groundwater monitoring is not necessary. Based on review of this report, the Executive Officer may determine that groundwater monitoring is not required. Surface water monitoring shall be done in a manner consistent with the requirements for the storm water pollution prevention plans and monitoring program described on pages IX and X of Attachment V.

2. The effectiveness of all monitoring wells and monitoring devices shall be maintained for the active life of this site. If any of the monitoring wells and/or monitoring devices are damaged, destroyed, or abandoned for any reason, the discharger shall provide substitutes acceptable to the Executive Officer to meet the monitoring requirements of the Order.

3. The discharger shall provide for the proper handling and disposal of water purged from the monitoring wells during sampling. Water purged from the wells shall not be returned to that well (or any other well).

4. For any monitoring wells or piezometers installed in the future, the discharger shall submit technical reports for approval by the Executive Officer, prior to installation. These technical reports shall be submitted at least 60 days prior to the anticipated date of installation of the wells or piezometers. These reports shall be accompanied by:

    a. Maps and cross sections showing the locations of the monitoring points;

    b. Drawings and data showing construction details of the monitoring points. These data shall include:

        (i) casing and test hole diameter;
        (ii) casing materials;
        (iii) depth of each hole;
        (iv) the means by which the size and position of perforations shall be determined, or verified, in the field;
        (v) method of joining sections of casing;
        (vi) nature of filter material;
        (vii) depth and composition of seals; and
        (viii) method and length of time of well development.

If a well or piezometer is proposed to replace an inoperative well or piezometer, the discharger shall not delay replacement while waiting for Executive Officer approval. However, the technical report shall be submitted within the required time schedule.

5. The discharger shall conduct required monitoring and response programs in accordance with Section 20385 of Title 27. (A detection monitoring program per Section 20420 of Title 27, an evaluation monitoring program per Section 20425 of Title 27, and a corrective action program per Section 20430 of Title 27.)

6. The discharger shall take any and all necessary measures to prevent unauthorized disposal of wastes at this site by instituting a waste load-checking program. A waste load-checking program must be submitted to the Executive Officer for approval within ninety (90) days after adoption of this Order.

7. The discharger shall maintain copies of this Order and the waste load-checking program at the site so as to be available at all times to personnel operating the site.

8. The discharger shall file with this Regional Board a report of any material change or proposed change in the character, location, boundaries or quantity of this waste discharge at least 120 days prior to the date of such proposed change.

9. In the event of any change in name of operator or in control or ownership of land or waste disposal facilities owned or controlled by the discharger, the discharger shall:

   a. Notify this Regional Board in writing of such a change; and
   b. Notify the succeeding owner or operator by letter, a copy of which shall be filed with this Regional Board, of the existence of this order.

10. Ninety (90) days prior to cessation of disposal operations at this site, the discharger shall submit a technical report to the Regional Board describing the methods and controls to be used to assure protection of the quality of receiving waters during final operations and with any proposed subsequent use of the land. Such methods and controls shall comply with the foregoing and the waste discharge requirements. The report shall be prepared under the direct supervision of a California-registered geologist or engineer, or a California-certified engineering geologist.

11. This Regional Board considers the property owner to have continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.

12. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they

do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

13. The discharger shall furnish, under penalty of perjury, technical or monitoring program reports in accordance with Section 13267 of the California Water Code. Failure or refusal to furnish these reports, or falsifying any information provided therein, renders the discharger guilty of a misdemeanor and subject to the penalties stated in Section 13268 of the California Water Code. Monitoring reports shall be submitted in accordance with the specifications contained in the attached Monitoring and Reporting Program, as directed by the Executive Officer. The attached Monitoring and Reporting Program is subject to periodic revisions, as warranted and approved by the Executive Officer.

14. This Order includes the attached "Standard Provisions Applicable to Waste Discharge Requirements" (Attachment W). If there is any conflict between provisions stated hereinbefore and the attached "Standard Provisions Applicable to Waste Discharge Requirements", those provisions attached hereinbefore prevail.

15. In accordance with Section 13263 of the California Water Code, these requirements are subject to periodic review and revision by this Regional Board.

16. Order No. 73-014, adopted by the Regional Board on February 28, 1973, is hereby rescinded.

I, Dennis A. Dickerson, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on May 25, 2000.

Dennis A. Dickerson
Executive Officer

FIGURE 1

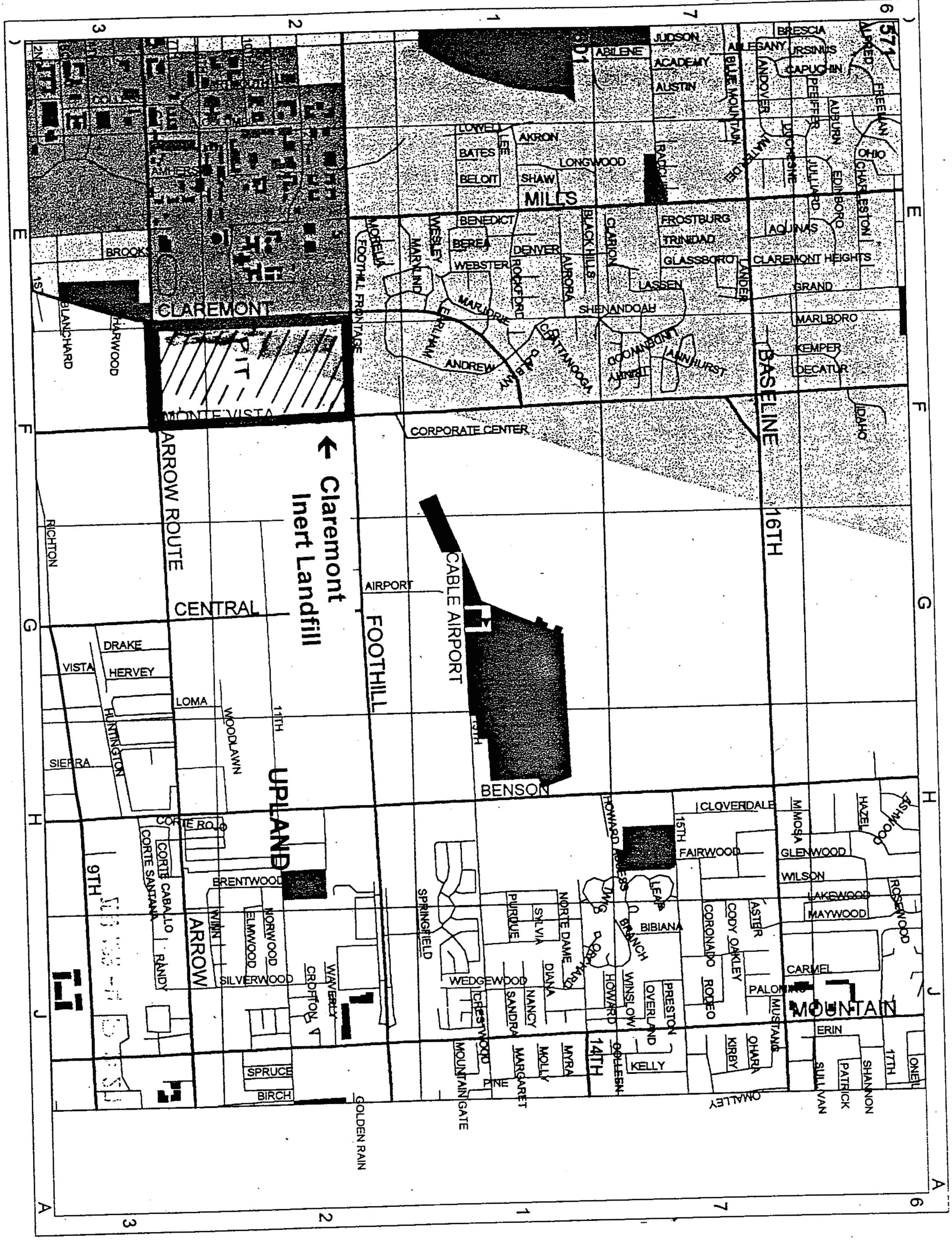

Figure 1.

ATTACHMENT T

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 5766
FOR
CLAREMONT UNIVERSITY CENTER
(Claremont Landfill)
(File No. 67-20)

I. REPORTING

A. The discharger shall implement this Monitoring and Reporting Program beginning May 25, 2000. A technical report is due August 31, 2000, as required by Provision C.1. of Order 00-070, to install a groundwater monitoring system.

B. The discharger shall submit waste disposal reports to the Regional Board quarterly on the following schedule: the first quarter reports by May 15 of each year, the second quarter reports by August 15 of each year, the third quarter reports by November 15 of each year, and the fourth quarter reports by February 15 of each year.

C. Quarterly monitoring of groundwater shall be performed during the months of January, April, July, and October. 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.

D. By March 1 of each year, the discharger shall submit an annual report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record.

E. All chemical, bacteriological, and toxicity 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, and the laboratory must meet EPA Quality Assurance/Quality Control criteria.

F. For any analyses performed for which no procedures are specified in the EPA guidelines or in this Monitoring and Reporting Program, the constituent or parameter analyzed, and the method or procedure used, must be specified in the report.

G. The discharger may submit additional data to the Regional Board not required by this program in order to simplify reporting to other regulatory agencies.

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, method detection limit for each monitoring parameter shall be reported.

I. 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.

J. The results of the waste load checking program shall be reported in each waste disposal report.

K. For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

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 waste management facility.

M. This Monitoring and Reporting Program includes the attached "Standard Provisions Applicable to Waste Discharge Requirements" (Attachment I). If there is any conflict between provisions stated herein and the "Standard Provisions Applicable to Waste Discharge Requirements", these provisions stated herein will prevail.

N. 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;
6. The results of the analyses or measurements, including both statistical and non-statistical analyses;
7. The method detection limits;
8. The executive summary of the key findings;

9. The laboratory QA/QC data and chain of custody records (except for annual reports);
10. The laboratory certification information;
11. The velocity and direction of groundwater flow; and,
12. The measurement of the static water levels of all monitoring wells.

O. In reporting the monitoring data, the discharger shall arrange the data in tabular form.

P. Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Q. Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the following is true and correct.

Executed on the _____ day of _____ at _____.

_____ (Signature)

_____(Title)"

II. WASTE DISPOSAL REPORTING

A. The reports 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 quarterly, and summarized and submitted with the annual report due March 1 of each year. If a new area is landfilled, it shall be identified in the corresponding quarterly report.

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

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

2. An estimate of 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 facility 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 a source other than potable water is used, the sources and amounts of water from each source shall also be reported.)

6. The discharger shall report all unacceptable (to this site) wastes inadvertently received at this site and their disposition. The following details shall be included:

   a. The source (if known), including the hauler, of the unacceptable wastes and date received and/or discovered.

   b. Identification of waste (if known) and the amount of waste.

   c. The name and address of the hauler who removed the waste from this site

   d. The ultimate point of disposal for the waste.

   e. 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.

III. GROUND WATER MONITORING

1. Provisions and General Requirements

A. All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

B. The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall ensure that both activities will be conducted.

C. No filtering of samples taken for organics analyses shall be permitted. Samples for organic analyses shall be taken with a sampling method which minimizes volatilization and degradation of potential constituents.

D. Analytical results for ground water monitoring shall be submitted with the corresponding semi-annual monitoring report. 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.

E. Quarterly 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 monitoring reports.

F. All monitoring wells shall be sounded each third quarter to determine total depth. Wells affected by pumping shall be measured prior to pumping insofar as is possible.

G. Duplicate samples shall be taken for constituents of concern metals analyses only. Unfiltered samples shall be tested for total metals, and field-filtered samples (.45 microns) shall be tested for dissolved metals. Both samples must be preserved with nitric acid; however, care shall be taken that the dissolved metals samples are not exposed to acids until after filtering.

H. The laboratory QA/QC report shall include, at a minimum, method blanks, calibration checks, surrogate recoveries. matrix spikes, and matrix spike duplicates, spiking concentrations, and laboratory quality control samples. Spiking concentration must be no more than 10 times of method detection limit.

I. Practical quantitation limits shall be below the current maximum Contaminant Levels listed in Title 22 of California Code of Regulations or Action Levels

recommended by the California Department of Health Services, whenever it is possible.

J. Proper chain of custody procedures shall be used.

K. Constituents detected between the method detection limits and the practical quantitation limits must be reported, but may be reported as a trace.

2. Sampling and Analyses

A. Routine quarterly sampling and analyses of ground water shall consist of the monitoring parameters listed below:

MONITORING PARAMETERS	TEST METHOD
Bicarbonate (CaCO3)	Std. Method 2320B
Boron	EPA 6010
Chemical Oxygen Demand	EPA 410.4
Chloride	EPA 300.0
Electrical Conductivity	Field
Nitrate (as N)	EPA 300.0
Nitrite	EPA 300.0
pH	Field
Priority Pollutant Metals	EPA 6000/7000
Sodium	EPA 6010
Sulfate	EPA 300.0
Total Dissolved Solids	EPA 160.1
Total Hardness (as CaCO3)	Std. Method 2340B
Volatile Organic Compounds	EPA 8260

Ordered By: _____

Dennis A. Dickerson
Executive Officer

Date: May 25, 2000