

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER No. 86-65

CLOSURE/WASTE DISCHARGE REQUIREMENTS FOR:

SOLANO GARBAGE COMPANY
CLASS III DISPOSAL SITE
FAIRFIELD, SOLANO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board), finds that:

1. The Solano Garbage Company, the site legal owner and operator, (hereinafter referred to as the discharger) by application dated June 5, 1986 has applied for revision of their current Waste Discharge Requirements (WDR), that includes the continued operation and the closure of the existing Class III landfill located on approximately 70 acres south of Fairfield in Solano County. The project site, as shown on Attachment A, which is incorporated herein and made a part of this Order, is located adjacent to State Highway 12 at Scally Road approximately 4 miles southeast of Fairfield.
2. The landfill occupies approximately 2/3 of the 70 acre site. The disposal activities at the site have been limited to the Phase I area as shown on Attachment A. The landfill currently accepts approximately 125 tons per day on non-hazardous solid waste consisting of residential, commercial, construction and demolition wastes, and wastewater treatment sludges.
3. The landfill serves the disposal needs of Fairfield, Suisun City, Green Valley and the surrounding unincorporated areas of Solano County. The Potrero Hills Landfill, approximately one mile to the south of the site, will begin disposal operations later this year and will replace this landfill in serving the disposal needs of the areas cited above. When disposal operations begin at the Potrero Hills Landfill the landfill will only accept construction and demolition wastes in the Phase I area until the final closure grade is achieved.
4. The landfill is located in a low lying area adjacent to Union Creek and Hill Slough on the lower reaches of an alluvial plain extending northward from the Potrero Hills and the northeast edge of Suisun Marsh. The site is underlain by a light colored stiff clay with interbedded layers of clayey sand, clayey gravel, and silt. To the west of the site the stiff clays are replaced by bay muds that generally exceed a depth of 20 feet.

5. The nearest active fault to the site is the Green Valley Fault; located approximately 10 miles west of the site. The Hayward-Rodgers Creek Fault and the San Andreas Faults are located approximately 26 and 43 miles west of the site, respectively.
6. Groundwater exists beneath and adjacent to the site in the alluvial sediments in permeable sand and gravel deposits, small fractures in the clay, and in root channels and desiccation cracks of buried soil horizons. The depth to groundwater in the alluvial sediments is approximately 5 to 10 feet beneath the ground surface at the site and approximately 30 feet below ground surface at the base of the north slope of the Potrero Hills south of the site.
7. Groundwater wells within a mile of the site are found on the northern flanks of the Potrero Hills to the south of the site and to the east of the site. These wells are hydraulically upgradient of the site and are not threatened by the disposal operations at the landfill. These wells draw groundwater from the shallow surficial and alluvial deposits found on the slope of the hills.
8. The alluvial groundwater found immediately beneath and adjacent to the site, north of the base of the Potrero Hills in the alluvial plain, is brackish due to the proximity to Hill Slough and the marsh to the west of the site. The isolated clayey sand and gravel beds underlying the site at relatively shallow depths are discontinuous and contain small quantities of unuseable brackish water.
9. The landfill does not meet the geologic siting criteria for a Class III landfill as outlined in Subchapter 15 that requires all waste to be placed a minimum of five feet above the highest anticipated elevation of the underlying groundwater. Wastes at this site have been placed below the groundwater elevation found in the alluvial groundwater; pursuant to Waste Discharge Requirements adopted by the Board. However, all additional wastes disposed of at this site will be placed on top of wastes that are already in place in the Phase I area. Additionally, since there is not a demonstrated adverse impact on any beneficial uses of any groundwater resulting from waste disposal operations at the site and since relocating the wastes would be prohibitively expensive the Board finds that the prescriptive standard regarding the five foot separation between wastes and the highest anticipated elevation of the underlying groundwater is not feasible in this case.
10. Surface runoff from the site discharges into Union Creek and Hill Slough and eventually into Suisun Bay.

11. The beneficial uses of the useable groundwater found in the surficial and alluvial deposits to the south and east of the site and of Union Creek, Hill Slough and Suisun Bay are:
 - a. Domestic water supply
 - b. Stock watering and agricultural supply
 - c. Irrigation
 - d. Water contact recreation
 - e. Non-contact water recreation
 - f. Warm fresh water habitat
 - g. Wildlife habitat
 - h. Preservation of rare and endangered species
 - i. Fish migration and spawning

12. The discharger submitted, as a part of their Report of Waste Discharge, the following reports: Closure Plan Solano Garbage Company Disposal Site (EMCON Associates April 1985), June 2, 1986 letter (EMCON Associates) amending April 1985 report, and Geotechnical Investigation and Design Studies Solano Garbage Company Disposal Site (EMCON Associates, December 24, 1975). The above cited reports, as modified by the requirements of this Order, propose to construct, operate and close the landfill in accordance with the requirements of Subchapter 15 and are hereby incorporated as a part of this Order.

13. The Closure Plan section of the discharger's Report of Waste Discharge is deficient in three areas. The plan failed to provide for the establishment of two permanent monuments from which the the location and elevation of wastes, containment structures, and monitoring facilities can be determined throughout the post closure maintenance period. The Closure Plan failed to provide evidence of an irrevocable closure fund or other means to ensure closure and post-closure maintenance according to the closure plan. And lastly, the Closure Plan also failed to provide a slope stability analysis for the final grade of the site according to Section 2595 (f)(5) of Subchapter 15. These three deficiencies will be addressed through compliance with the requirements of this Order.

14. The closure requirements for a Class III landfill, outlined in Subchapter 15, were changed in November 1984 to include an additional one foot of foundation material in the final cover. Portions of the existing fill area were provided with a cover that meets the requirements of this Board's Resolution No. 77-7 which was in effect before the revision of Subchapter 15. The already closed areas are identified as areas filled to final grade on Drawing No. 1 of the April 1985 Closure Plan (EMCON Associates). It is infeasible to remove the in-place cover material, and place an additional one foot of foundation material beneath it, as would be necessary to comply with the cover requirements of the new Subchapter 15. An additional foot of cover over this 3 foot cover may be required in the future, if leachate levels or water quality measurements suggest that this is needed. The discharger proposes that the remaining portion of the existing fill area will be covered with 4 feet of cover materials as specified in the revised Subchapter 15.
15. Pursuant to Section 2555(h.3) of Subchapter 15 the discharger has applied for an alternative procedure for the establishment of Water Quality Protection Standards (WQPS) and the statistical comparison of the data collected to determine if the WQPS have been exceeded. This proposal has failed to demonstrate that it would be inappropriate to use WQPS based on background water quality. Additionally, it is very likely that none of the monitoring wells around the perimeter of the landfill could be used to establish background groundwater quality because if there is leachate in the landfill the leachate would probably form a mound within the refuse pile and migrate in almost any direction out of the refuse into the groundwater surrounding the landfill. This Order requires the establishment of WQPS pursuant to Subchapter 15 and also allows the discharger the opportunity to complete their application for alternative WQPS.
16. The Regional Board adopted a revised Water Quality Plan for the San Francisco Bay Basin on July 1, 1982 and this Order implements the water quality objectives stated in that plan.
17. This project constitutes a minor modification to land and the continued operation of an existing facility with changes to meet public health and safety standards and is therefore categorically exempt from the provisions of the California Environmental Quality Control Act (CEQA) pursuant to Sections 15304 and 15301 of the Resources Agency Guidelines.

18. This Order constitutes an exemption to the requirements of Subchapter 15 pursuant to Section 2511(d) of Subchapter 15. This exemption applies to the requirements regarding the five foot separation between the wastes and the underlying groundwater and the construction of the final cover over portions of the landfill. This exemption is granted based upon the findings and requirements of this Order that indicate that the proposed closure of the site will protect the beneficial uses of the waters of the State and because this closure implements the applicable provisions of Subchapter 15 to the extent feasible.
19. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge, and has provided them with an opportunity to submit their written views and recommendations.
20. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Solano Garbage Company, and any other persons that currently or in the future own this land or operate this facility, shall meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and shall also comply with the following:

A. PROHIBITIONS

1. The disposal of waste shall not create a pollution or nuisance as defined in Section 13050(1) of the California Water Code.
2. Wastes shall not be placed in or allowed to contact ponded water from any source whatsoever.
3. Wastes shall not be disposed of in any position where they can be carried from the disposal site and discharger into waters of the State or of the United States.

4. Hazardous and designated wastes as defined in Sections 2521 and 2522 of Subchapter 15, and high moisture content wastes (including septic tank waste and wastes containing less than 50% solids), shall not be deposited or stored at this site. Upon commencement of disposal operations at the Potrero Hills Landfill the disposal of Non-hazardous decomposable wastes, with the exception of wood construction debris, is prohibited. Dried sewage sludge may be stored and disposed of at this site upon written authorization from the Executive Officer. This authorization will be granted only after the discharger has submitted a report that documents: 1) how the sludge will be managed and disposed, 2) that the sludge is non-hazardous, 3) the sludge is an appropriate material to use as the foundation layer of the final cover, and 4) that the storage and disposal of the sludge will not adversely affect the quality of the waters of the State.
5. The discharger, or any future owner or operator of this site, shall not cause the following conditions to exist in waters of the State at any place outside the waste management facility:
 - a. Surface Waters
 1. Floating, suspended, or deposited macroscopic particulate matter or foam.
 2. Bottom deposits or aquatic growth.
 3. Alteration of temperature, turbidity, or apparent color beyond natural background levels.
 4. Visible, floating, suspended or deposited oil or other products of petroleum origin.
 5. Toxic or other deleterious substances to be present in concentrations or quantities which may cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentrations.
 - b. Groundwater
 1. The groundwater shall not be degraded as a result of the waste disposal operation.
6. Leachate from wastes and ponded water containing leachate or in contact with refuse shall not be discharged to waters of the State or the United States.

B. SPECIFICATIONS

1. The discharger shall implement the construction of the cover of the landfill and complete the closure of this site, as described in their Closure Plan, dated April 1985, and the subsequent amendment dated June 2, 1986, and any other reports required to be submitted in compliance with this Order.
2. Water used during disposal operations shall be limited to a minimal amount necessary for dust control and fire suppression.
3. The site shall be protected from any washout or erosion of wastes or covering material and from inundation which could occur as a result of a 100 year 24 hour precipitation event.
4. Surface drainage from tributary areas, and internal site drainage from surface and subsurface sources, shall not contact or percolate through wastes during disposal operations or during the life of the site. Drainage ditches constructed over refuse fill will be underlain with a minimum 5-foot thickness of compacted earthfill.
5. Measures shall be taken to assure that leachate monitoring and collection system and groundwater monitoring wells will remain operational permanently.
6. The discharger shall ensure that the foundation of the site, the refuse fill, and the structures which control leachate, surface drainage, erosion and gas for this site are constructed and maintained to withstand conditions generated during the maximum probable earthquake.
7. As portions of the landfill are closed, the exterior surfaces shall be graded to a minimum slope of three percent in order to promote lateral runoff of precipitation. In addition, all completed disposal areas, except those areas outlined on Drawing No. 1 of the discharger's April 1985 Closure Plan and identified as already filled to final grade, shall be covered with a minimum of 4 feet of cover and meet other applicable requirements as described in Article 8 of Subchapter 15. The areas already filled to final grade shall be covered with a minimum of three feet of cover that meets the requirements outlined in this Board's Resolution No. 77-7.
8. The discharger shall install any additional groundwater and leachate monitoring devices required to fulfill the terms of any Self-Monitoring Program issued to the discharger in order that the Board may evaluate compliance with the conditions of this Order.

C. PROVISIONS

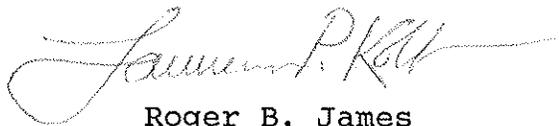
1. The discharger shall comply with all Prohibitions, Specifications, and Provisions immediately upon adoption of this Order.
2. The discharger shall complete the closure of the site according to the following schedule of tasks and compliance dates:

TASK	COMPLIANCE DATE
a) Cease disposal of non-hazardous decomposable waste.	October 1, 1986
b) Install the proposed two groundwater monitoring compliance wells and the leachate monitoring and extraction wells.	October 1, 1986
c) Submit a proposal for the installation of two background groundwater monitoring wells and for the establishment of background groundwater quality pursuant to Sections 2555 (b), (g), and (h) of Subchapter 15.	September 1, 1986
d) Install the two background groundwater monitoring wells.	October 1, 1986
e) Establish Water Quality Protection Standards based on background groundwater quality pursuant to Sections 2555 and 2595(g)(7) of Subchapter 15 and complete the application for alternative WQPS if appropriate.	November 1, 1987
f) Complete the closure of the site.	October 1, 1988
3. Submit evidence of an irrevocable post-closure monitoring and maintenance fund that will provide sufficient funds for the maintenance and monitoring of this site for a period of 30 years, pursuant to Section 2580 (f) of Subchapter 15, by December 1, 1987	

4. Submit the as built closure certification report by January 1, 1989 that documents compliance with this Order, Resolution No. 77-7, and Subchapter 15. This report shall show the location of two permanent monuments from which the location of the wastes can be determined pursuant to Section 2580 (d) of Subchapter 15 and document that the site has been completely closed according to the closure plan. This report shall also provide a slope stability analysis for the closed site pursuant to Section 2595 (f)(5) of Subchapter 15.
5. The discharger shall file with the Regional Board quarterly self-monitoring reports performed according to any self-monitoring program issued by the Executive Officer.
6. The discharger shall submit a proposal by October 1, 1986 for a periodic load checking program which will discover and discourage attempts to place hazardous and designated wastes in the disposal areas.
7. All reports pursuant to these Provisions shall be prepared under the supervision of a registered civil engineer or certified engineering geologist.
8. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
9. The discharger shall file with this Board a report of any material change or proposed change in the character, location, or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries of the disposal areas or the ownership of the site.
10. The discharger shall maintain a copy of this Order at the site, or at the Potrero Hills Landfill adjacent to the site, and at the offices of the Solano Garbage Company, so as to be available at all time to site operating personnel.
11. This Board considers the property owner and site operator to have continuing responsibility for correcting any problems which arise in the future as a result of this waste discharge or related operations.
12. The discharger shall maintain all devices or designed features installed in accordance with this Order such that they continue to operate as intended without interruption except as a result of failures which could not have been reasonably foreseen or prevented by the discharger.

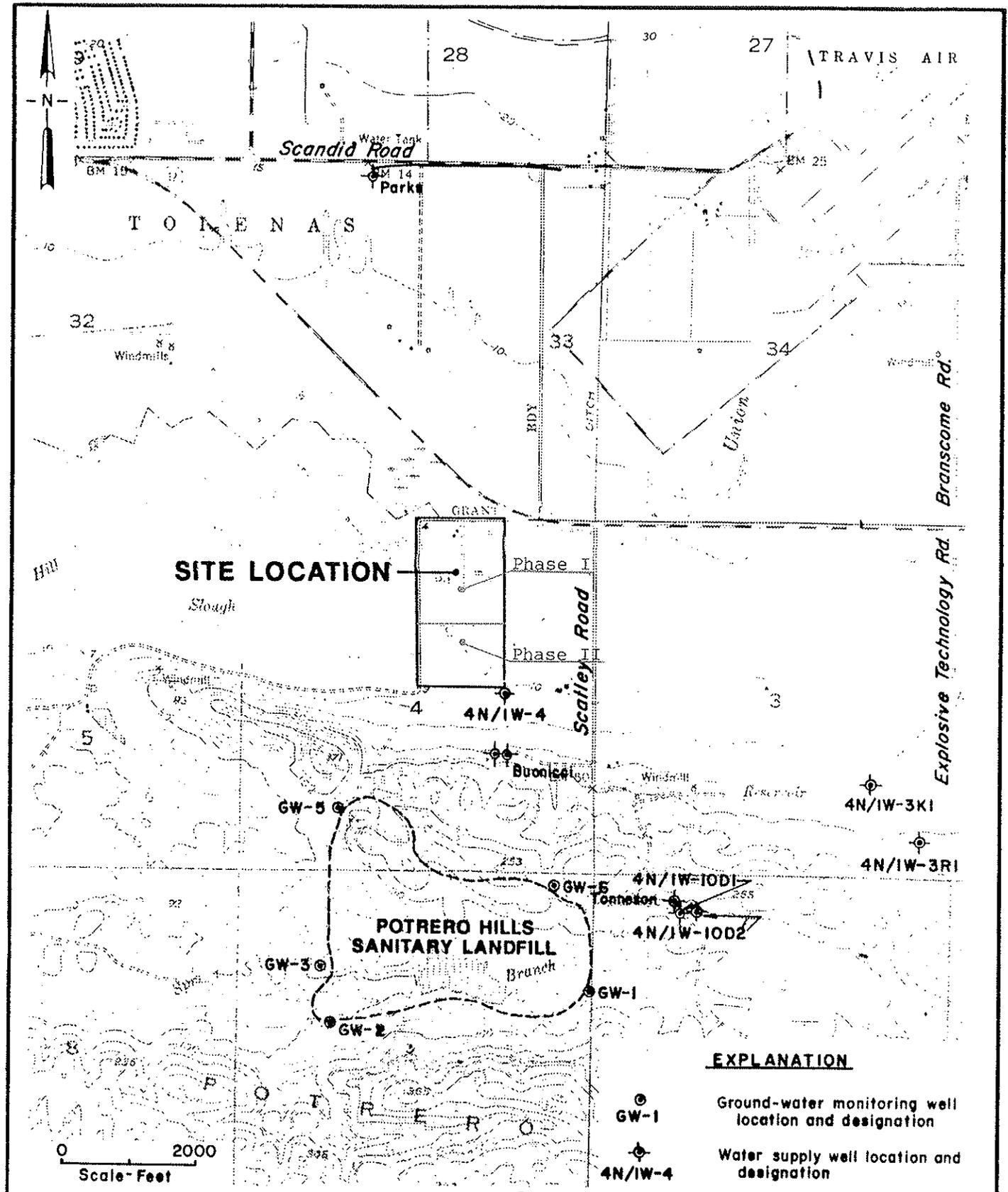
13. The discharger shall permit the Regional Board or its authorized representative, upon presentation of credentials:
 - a. Entry upon the premises on which wastes are located or in which any required records are kept.
 - b. Access to copy any records required to be kept under the terms and conditions of this Order.
 - c. Inspection of any treatment equipment, monitoring equipment, or monitoring method required by this Order.
 - d. Sampling of any discharge or groundwater covered by this Order.
14. This Board's Order No. 77-117 is hereby rescinded.
15. These requirements do not authorize commission of any act causing injury to the property of another or of the public; do not convey any property rights; do not remove liability under federal, state or local laws; and do not authorize the discharge of wastes without appropriate permits from other agencies or organizations.

I, Roger B. James, Executive Officer, do hereby certify that the foregoing is a full, complete, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on August 20, 1986.



Roger B. James
Executive Officer

Attachments: A) Site location map
B) Self Monitoring Program



EXPLANATION

- GW-1 Ground-water monitoring well location and designation
- 4N/IW-4 Water supply well location and designation

STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION		
Attachment A: Solano Garbage Company Site Map		
DRAWN BY:	DATE:	DRWG. NO.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

SOLANO GARBAGE COMPANY
CLASS III DISPOSAL SITE
FAIRFIELD, SOLANO COUNTY

PART A

A. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No.73-16. This Self-Monitoring Program is issued in accordance with Section C.5 of Regional Board Order No. 86-65.

The principal purposes of a self-monitoring program by a waste discharger are: (1) to document compliance with waste discharge requirements and prohibitions established by the Board, (2) to facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge, (3) to develop or assist in the development of effluent standards of performance, pretreatment and toxicity standards, and other standards, and (4) to prepare water and wastewater quality inventories.

B. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage , and analyses shall be performed according to most recent version of Standard Methods for the Analysis of Wastewater.

Water and waste analysis shall be performed by a laboratory approved for these analyses by the State Department of Health. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Regional Board.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

C. DEFINITION OF TERMS

1. A grab sample is a discrete sample collected at any time.
2. Receiving waters(s) refers to any water which actually or potentially receives surface or groundwaters which pass over, through, or under waste materials or contaminated soils. In this case the groundwater beneath and adjacent to the landfill and Union Creek and Hill Slough are considered the receiving waters.
3. Standard observations refer to:
 - a. Receiving Waters
 - 1) Dicoloration and turbidity: description of color, source, and size of affected area.
 - 2) Evidence of odors, presence or absence, characterization, source, and distance of travel from source.
 - 3) Evidence of beneficial use: presence of water associated wildlife.
 - 4) Flow rate.
 - 5) Weather conditions: wind direction and estimated velocity, total precipitation during the previous five days and on the day of observation.
 - b. Perimeter of the waste management unit.
 - 1) Evidence of liquid leaving or entering the waste management unit, estimated size of affected area and flow rate. (Show affected area on map)
 - 2) Evidence of odors, presence or absence, characterization, source, and distance of travel from source.
 - 3) Evidence of erosion and/or daylighted refuse.
 - c. The waste management unit.
 - 1) Evidence of ponded water at any point on the waste management facility.
 - 2) Evidence of odors, presence or absence, characterization, source, and distance of travel from source.

3) Evidence of erosion and/or daylighted refuse.

4. Standard analysis and measurements refer to:

- a. pH
- b. Electrical Conductivity (EC)
- c. Total Dissolved Solids (TDS)
- d. Total Phenols
- e. Chloride
- f. Total Organic Carbon
- g. Nitrate Nitrogen
- h. Total Kjeldahl Nitrogen.
- i. Water elevation in feet above Mean Sea Level.
- j. EPA Method 601, identifying all peaks greater than 1 microgram/liter.
- k. Settleable Solids ml/l/hr

D. SCHEDULE OF SAMPLING, ANALYSIS, AND OBSERVATIONS

The discharger is required to perform sampling, analysis, and observations according to the schedule specified in Part B, and the requirements of Article 5 of Subchapter 15.

E. RECORDS TO BE MAINTAINED

Written reports shall be maintained by the discharger, and shall be retained for a minimum of three 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 sample station number.
2. Date and time of sampling.
3. Date and time that analyses are started and completed, and name of the personnel performing the analyses.
4. Complete procedure used, including method of preserving the sample, and the identity and volumes of reagents used. A reference to a specific section of a reference required in Part A Section B is satisfactory.
5. Calculation of results.
6. Results of analyses, and detection limits for each analyses.

F. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Written self-monitoring reports shall be filed each calendar quarter by the fifteenth day of the following month. In addition an annual report shall be filed as indicated in F.2 The reports shall be comprised of the following:

- a. Letter of Transmittal

A letter transmitting the essential points in each self-monitoring report should accompany each report. Such a letter shall include a discussion of any requirement violations found during the past quarter and actions taken or planned for correcting the violations, such as operation modifications and/or facilities expansion. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred in the last quarter this shall be stated in the letter of transmittal. Monitoring reports and the letter transmitting reports shall be signed by a principal executive officer at the level of vicepresident or his 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. Each report shall include a compliance evaluation summary sheet. This sheet shall contain:

1. The sample mean and the sample variance for all sample sets taken from all compliance points, and shall determine if the difference between the mean of each sample set and the water quality protection standard is significant at the 0.05 level using Cochran's Approximation to the Behrens-Fisher Student's t-test as described in Appendix II of Subchapter 15. The discharger may propose an alternative statistical procedure to be used in making this determination pursuant Section 2555(h)(3) of Subchapter 15. If a statistically significant difference is found this shall be reported as a suspected requirement violation in the letter of transmittal.

2. A graphic description of the velocity and direction of groundwater flow under/around the waste management unit, based upon the past and present water level elevations and pertinent visual observations.
 - c. A map or aerial photograph shall accompany each report showing observation and monitoring station locations.
 - d. Laboratory statements of results of analyses specified in Part B must be included in each report. The laboratory director shall sign the laboratory statement of analytical results.
 2. By January 31 of each year the discharger shall submit an annual report to the Regional Board covering the previous calendar year. This report shall contain:
 - a. Tabular and graphical summaries of the monitoring data obtained during the previous year.
 - b. A comprehensive discussion of the compliance record, and the corrective actions taken or planned which may be needed to bring the discharger into full compliance with the waste discharge requirements.
 - c. A map showing the area, if any, in which filling has been completed during the previous calendar year.
 - d. A written summary of the groundwater analyses indicating any change in the quality of the groundwater.
 - e. An evaluation of the effectiveness of the leachate monitoring/control facilities.
 3. A well drilling log shall be submitted for each sampling well established per this monitoring program, as well as a report of inspection or certification that each well has been constructed in accordance with the construction standards of the Department of Water Resources. These shall be submitted within 30 days after well installation.

Part B

1. DESCRIPTION OF OBSERVATION STATIONS AND SCHEDULE OF OBSERVATIONS .

A. Waste Monitoring

1. Record the total volume, weight and types of refuse in cubic yards and tons disposed of at the site during the month. Report this information quarterly.
2. Record the volume of fill completed, in cubic yards, showing locations and dimensions on a sketch or map. Report this information quarterly.

B. On-site Observations

STATION	DESCRIPTION	OBSERVATIONS	FREQUENCY
V-1 thru V-'n'	Located on the waste disposal area as delineated by a 500 foot grid network.	Standard observations for the waste management unit.	Weekly
P-1 thru P-'n' (perimeter)	Located at equidistant intervals not exceeding 1000 feet around the perimeter of the disposal area.	Standard observations for the perimeter.	Weekly

A map showing visual and perimeter compliance points (V and P stations) shall be submitted by the discharger in the quarterly monitoring report.

C. Seepage Monitoring

STATION	DESCRIPTION	OBSERVATION	FREQUENCY
S-1 thru S-'n' (seepage)	At any point(s) at which seepage is found occurring from the disposal area.	Standard observations for the perimeter, and standard analysis other than "i"	Daily until remedial action is taken and seepage ceases.

STATION	DESCRIPTION	OBSERVATION	FREQUENCY
CU-1 (receiving waters, upstream)	Located in Union Creek after the creek flows beneath Highway 12	Standard observation for receiving waters and standard analysis other than "i".	Daily, during a seepage event.
CD-1 (receiving waters downstream)	Located in Union Creek west of Emmington Road	Same as receiving waters upstream.	Daily during a seepage event.
CD-2	Located at the west side of the drainage culvert that flows beneath Emmington Road south of the site.	"	"

D. Groundwater Monitoring

STATION	DESCRIPTION	OBSERVATION/ ANALYSIS	FREQUENCY
BG-1 BG-2 (ground-water background)	To be installed	Standard analysis other than "j" and "k".	Once per quarter.
G-1 thru G-7	As shown on the June 7, 1986 amendment to the Closure Plan	Standard analysis other than "k"	"

E. Leachate Monitoring

STATION	DESCRIPTION	OBSERVATION	FREQUENCY
GR-1 and GR-2	Leachate control facilities including sumps and wells to be installed	Depth of leachate built up at base of land- fill, and volume removed.	Once per quarter and at time of removal.

2. CONTINGENCY REPORTING

- A. A report shall be made in writing to the Regional Board within seven days if a statistically significant difference is found between a self-monitoring sample set and a WQPS. Notification shall indicate what WQPS(s) have been exceeded. The discharger shall immediately resample at the compliance point(s) where this difference has been found and analyze another sample set of at least four portions split in the laboratory from the source sample.
- B. If resampling and analysis confirms the earlier finding of a statistically significant difference between self-monitoring results and WQPS(s) the discharger must submit to the Regional Board within 90 days an amended Report of Waste Discharge for establishment of a verification monitoring program meeting the requirements of Section 2557 of Subchapter 15. This submittal shall include the information required in Section 2556(b)(2) of Subchapter 15.
- C. The discharger must notify the Regional Board within seven days if the verification monitoring program finds a statistically significant difference between samples from the verification monitoring program point of compliance and the WQPS(s).
- D. If such a difference or differences are found by the verification monitoring program it will be concluded that the landfill is out of compliance with this Order. In this event the discharger shall submit within 180 days an amended Report of Waste Discharge requesting authorization to establish a corrective action program meeting the requirements of Section 2558 of Subchapter 15. This submittal shall include the information required in Section 2557(g)(3) of Subchapter 15.

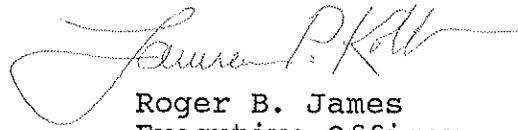
E. A report shall be made by telephone of any seepage from the disposal area immediately after it is discovered. A written report shall be filed with this Board within five days. This report shall contain the following information: 1) a map showing the location(s) of discharge, 2) approximate flow rate, 3) nature of effects; i.e. all pertinent observations and analyses, and 4) corrective measures underway or proposed.

3. CONTINGENCY MONITORING

A. Methane gas monitoring probes shall be installed at the site boundary nearest any structure that is constructed within 1000 feet of the Waste Management Facility . These probes shall be monitored at least once per quarter and more frequently as determined at the time of installation, and results of such monitoring reported in the quarterly self-monitoring reports.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedures set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 86-65.
2. Is effective on the date shown below.
3. May be reviewed or modified at any time subsequent to the effective date, upon written notice from the Executive Officer, or request from the discharger.


Roger B. James
Executive Officer

8/22/86
Date Ordered