

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 88-120

UPDATED WASTE DISCHARGE REQUIREMENTS FOR:

DIAMOND TANK LINES & TRANSPORTATION, INC.
ARMAND KUNDE
DIAMOND TANK LINES, CLASS III SLUDGE TREATMENT AND DISPOSAL FACILITY
MILPITAS, SANTA CLARA COUNTY

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

1. Armand Kunde, the site legal owner, and Diamond Tank Lines & Transportation, Inc., the waste management unit operator, (hereinafter referred to collectively as the discharger) by application dated March 3, 1988 has applied for revision of their current Waste Discharge Requirements (WDR), for the continued operation of the Diamond Tank Lines Sludge Treatment and Disposal Facility located on approximately 45 acres in north Milpitas in Santa Clara County. The discharger, by letter dated June 7, 1988, as part of the Report of Waste Discharge (ROWD), has proposed to operate the sludge treatment/disposal facility until July 10, 1989 and then close the facility. The project site, as shown on Attachment A, which is incorporated herein and made a part of this Order, is located south of Dixon Landing Road in Milpitas, Santa Clara County.
2. The sludge treatment and disposal area occupies approximately 45 acres. Currently, nine sludge drying/disposal ponds exist on site, as shown on Attachment A. Pond No. 1 is currently the only pond that receive the wet sludge for drying. Once the sludge is dried the sludge is disposed of in the other 8 ponds, on the dikes between the ponds, and throughout the remainder of the 45 acre property.
3. The discharger proposes to accept for treatment and disposal approximately 35,000 gallons of water treatment sludge per day through August 1989. This sludge is generated by the Santa Clara Valley Water District at their Rinconada and Penitencia Water Treatment Plants. The sludge has high concentrations of aluminum and iron and contains approximately 10% to 20% solids. Because of the water content of the sludge the sludge can only be codisposed with garbage in Class III landfills equipped with a leachate collection and removal system, pursuant to the requirements of Section 2523(c) of Title 23, Chapter 3, Subchapter 15 of the California Administrative Code (Subchapter 15). However, if the sludge is dried to greater than 50% solids the sludge is nonhazardous and may be disposed of in any Class III landfill. No other hazardous, designated, or nonhazardous decomposable or water soluble wastes will be stored or disposed of at this site.

4. On July 20, 1976 the Board adopted Order No. 76-78 for the 45 acre sludge drying/disposal site. This Order is an update of these requirements to meet the requirements of Subchapter 15, as revised in November 1984.
5. The Diamond Tank Lines site is located within the Coast Range geomorphic province at the northern extent of the Santa Clara Valley and the southern portion of San Francisco Bay. The Penitencia Creek flood control channel borders the site on the west and south sides. The sediments underlying the site are relatively thin sequences of alluvium composed of predominantly clay, silty clay, and minor amounts of sandy clay, with interbeds of silty sand and sand. The permeability of the underlying alluvial sediments have not been determined, as required by Section 2595(f) of Subchapter 15.
6. The Diamond Tank Lines site is located approximately 2 and 5 miles southwest of the Hayward and Calaveras faults, respectively, and 16.5 miles east of the San Andreas fault. The site is not located on a known Holocene fault and therefore meets the siting criteria contained in Section 2533(d) of Subchapter 15. The discharger has not provided acceptable evidence that the site is not located in a flood plain on the Federal Insurance Administration flood map and it is likely that the site is in a flood plain. The discharger has also not provided detailed site design plans that demonstrate that the site will be designed, constructed, operated and maintained to prevent inundation or washout due to floods with a 100 year return period; as required by Sections 2533(c) and 2595(d) of Subchapter 15. Therefore, the site does not meet the flood protection criteria for Class III landfills contained in these sections of Subchapter 15.
7. Groundwater occurs at the site in two different portions of the alluvial deposits that underlie the site. The first zone of groundwater occurs in the younger bay muds and the perched lenses of silty sand within the young bay mud. This perched groundwater exists from approximately 3 to 8 feet below the natural ground surface to a depth of approximately 30 feet. This groundwater is of brackish quality and is not a usable domestic or municipal water supply. This first encountered groundwater occurs due to rainwater infiltration and recharge from the flood control channel. Due to the assumed low permeability of the young bay muds, and the limited extent of the perched silty sand lenses within the young bay mud, the first encountered groundwater is of limited quantity and moves very slowly. The perched lenses of silty sand material in the young bay mud, as well as the slow movement of groundwater within the young bay muds, provide a limited connection between the groundwater beneath the site and the surrounding groundwater and with the surrounding surface waters.

8. The second occurrence of groundwater beneath the site occurs at a depth of approximately 35 feet below the natural ground surface and extends to a depth exceeding 200 feet below the ground surface. This groundwater occurs in the more permeable silty sand, sand, and gravel alluvial deposits beneath the younger bay muds and within the older bay muds. Below a depth of approximately 85 feet the alluvial deposits beneath the site contain significant quantities of coarser grained materials that form an aquifer.
9. The site is an existing landfill/waste management unit and must be operated, according to Section 2530(c), to ensure that there is a minimum of five feet between the wastes and the underlying groundwater. The discharger's ROWD did not provide adequate data, or design and operation plans, to determine compliance with this requirement of Subchapter 15. Compliance with the requirements of this Order will address compliance with Section 2530(c) of Subchapter 15.
10. Due to the high moisture content, and the soluble aluminum and iron, the sludge may be classified a designated waste pursuant to Section 2522 of Subchapter 15. This section defines a designated waste as a nonhazardous waste which consists of or contains pollutants which under ambient conditions at the waste management unit, could be released at concentrations in excess of applicable water quality objectives, or which could cause degradation of the waters of the State. The discharger's ROWD did not contain adequate data to characterize the sludge, together with detailed design plans, to ensure that the sludge, as managed at this waste management unit, will not be a designated waste.
11. Background water quality levels, in the two water bearing zones beneath the site, for the purpose of establishing Water Quality Protection Standards (WQPS), have not been determined according to the requirements of Subchapter 15. Compliance with this Order will provide for the establishment of WQPS according to the requirements of Subchapter 15 within one year after adoption of this Order.
12. Groundwater wells within a mile of the site are found only in the deeper groundwater aquifer at depths greater than 100 feet. These wells are used for industrial and domestic supply.
13. The beneficial use of the shallow perched groundwater found in the surficial alluvial deposits beneath the site, (Elevation +10 MSL to -35 feet below MSL) is to recharge the surface waters surrounding the site and the deeper groundwater. The beneficial uses of Penitencia Creek, South San Francisco Bay, and contiguous waters are as follow:
 - a. Wildlife habitat
 - b. Brackish and salt water marshes
 - c. Water contact recreation
 - d. Non-water contact water recreation
 - e. Commercial and Sport fishing
 - f. Preservation of rare and endangered species
 - g. Estuarine habitat
 - h. Fish migration and spawning

The present and potential beneficial uses of the deeper groundwater (below elevation -85 feet below MSL) are as follows:

- a. Domestic and municipal water supply
 - b. Industrial process supply
 - c. Industrial service supply
 - d. Agricultural supply
14. The discharger submitted, as a part of their Report of Waste Discharge, the following reports. These reports were not prepared as a ROWD, by a registered civil engineer or certified engineering geologist pursuant to Section 2590(d) of Subchapter 15, but contained some of the information needed to complete the ROWD. 1) Wahler Associates, Technical Report of Doudell Property, dated April 1988, 2) Precipitation Data, 1979-1980 Season, Santa Clara Valley Water District, and 3) a variety of portions of other reports of unknown origin regarding water use and flood control. The ROWD did not contain detailed site characteristics, waste characteristics, site design, drainage, and operation plans, or a proposed site closure plan as required in Sections 2590(a), 2595, 2596, and 2597 of Subchapter 15. The ROWD also did not include a proposed groundwater monitoring program pursuant to the requirements of Article 5 of Subchapter 15 nor did it provide adequate background groundwater quality data to comply with Section 2595(g)(6) of Subchapter 15. Compliance with the requirements of this Order will require the discharger to complete a ROWD that will provide sufficient information regarding the site and the wastes as required in Article 9 of Subchapter 15, or apply for exemptions from these requirements pursuant to Section 2510 of Subchapter 15, in order to ensure proper closure of the site to protect water quality.
15. Since the discharger has proposed to close the facility by July 10, 1989 the Board finds that it is not necessary for the discharger to comply with all of the reporting requirements of Article 9 of Subchapter 15 or to retrofit the site to meet the construction and operation requirements of Articles 3 and 4 of Subchapter 15. This finding is based upon a limited amount of groundwater monitoring data that indicates that the waste disposal operation, to date, has not adversely impacted beneficial uses of the waters of the State. This finding is also based upon the discharger's commitment to close the facility, according to the requirements of Article 8 of Subchapter 15, by August 1989. The discharger must comply with the following sections of Subchapter 15 as part of the site closure plan to be submitted according to this Order: 1) Sections 2550 through 2556 for groundwater monitoring, 2) Sections 2580 and 2582 for the site closure, 3) Section 2594 waste characteristics, 4) 2595 waste management unit characteristics, and Section 2597 for closure and post closure maintenance plan. If the discharger proposes to close the site as a landfill according to Section 2582(b)(2) the discharger shall comply with all applicable requirements of Subchapter 15 or apply for exemptions from these requirements based upon an engineered alternative pursuant to the requirements of Section 2510 of Subchapter 15.

16. The Regional Board adopted a revised Water Quality Plan for the San Francisco Bay Basin on December 17, 1986 and this Order implements the water quality objectives stated in that plan.
17. This project constitutes a minor modification to land for the continued operation of an existing landfill, 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 Section 15301 of the Resources Agency Guidelines.
18. 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.
19. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Diamond Tank Lines & Transportation, Inc. and Armand Kunde, 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 nonhazardous decomposable or water soluble wastes other than the water treatment sludges identified in the discharger's ROWD and Finding No. 3 of this Order, shall not be deposited or stored at this site.
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 the sludges shall not be discharged to waters of the State or the United States.

B. SPECIFICATIONS

1. 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.
2. Surface drainage from tributary areas, and internal site drainage from surface and subsurface sources, except for rainwater that falls directly on the sludge drying pond, shall not contact or percolate through wastes during disposal operations or during the life of the site. Surface drainage ditches shall be constructed to ensure that all rainwater is diverted off-site and does not contact wastes and leachate.
3. The discharger shall operate the sludge drying ponds and the sludge disposal areas to ensure that there is a minimum of five feet between the wastes and the highest anticipated elevation of the underlying groundwater, pursuant to Section 2530(c) of Subchapter 15.
4. The discharger shall ensure that the foundation of the site, the levees surrounding the site, the waste 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.
5. The discharger shall close this site according to a closure plan that complies with the requirements of Article 8 of Subchapter 15 and is acceptable to the Regional Board.

6. The discharger shall operate the waste management facility so as not to cause a statistically significant difference to exist between water quality at the compliance points and the following Water Quality Protection Standards. The compliance points are identified as monitoring wells MW-3, MW-7, MW-8, MW-11, and MW-12. The background water quality sampling point is identified as monitoring wells MW-1, MW-5 and MW-9. The discharger shall establish these WQPS according to the requirements of this Order and Article 5 of Subchapter 15 within one year of adoption of this Order.
 - a. pH=
 - b. Specific Conductivity=
 - c. Chloride=
 - d. Total Organic Carbon=
 - e. Nitrate Nitrogen=
 - f. Total Dissolved Solids=
 - g. Iron
 - h. Aluminum
7. 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 of this Order immediately upon adoption of this Order.
2. The discharger shall submit a detailed site closure plan, that meets the requirements of Article 8 of Subchapter 15, by January 1, 1989. This closure plan shall comply with the requirements of Subchapter 15 outlined in Finding No. 15 of this Order.
3. The discharger shall submit, by July 1, 1989, a report on the groundwater quality at the site that proposes Water Quality Protection Standards for the constituents listed in Specification B.8 of this Order according to the requirements of Article 5 of Subchapter 15. If it is determined that the statistical comparison requirements of Article 5 are infeasible, the report should include a proposal, pursuant to Section 2510(b) of Subchapter 15, for an alternative comparison procedure.
4. The discharger shall file with the Regional Board quarterly self-monitoring reports performed according to any self-monitoring program issued by the Executive Officer.
5. All reports pursuant to these Provisions shall be prepared under the supervision of a registered civil engineer or certified engineering geologist.

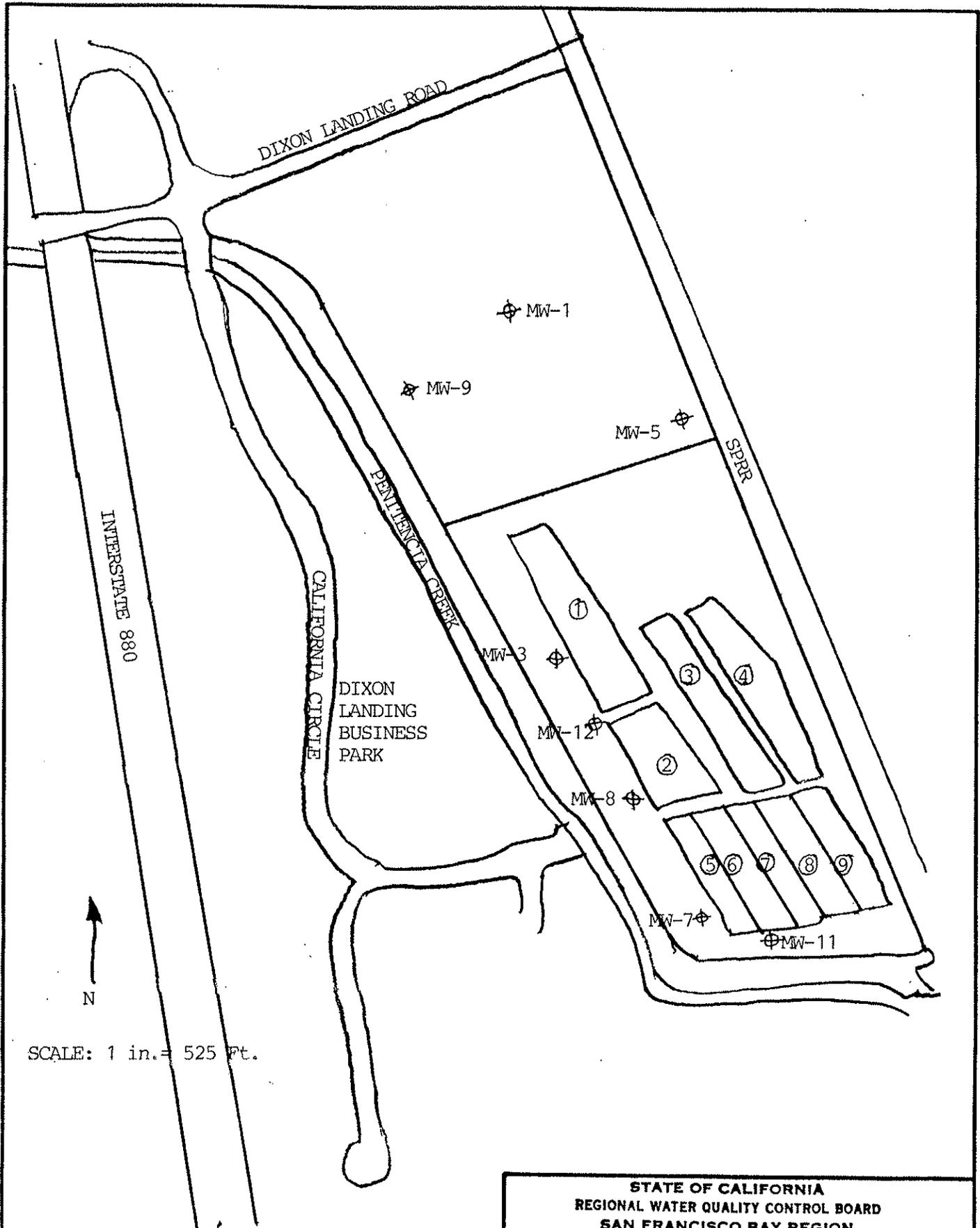
6. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
7. The discharger shall file with this Board a report of any material change or proposed change in the character, location, or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries of the disposal areas or the ownership of the site.
8. The discharger shall maintain a copy of this Order at the site so as to be available at all time to site operating personnel.
9. 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.
10. 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.
11. 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.
12. This Board's Order No. 76-78 is hereby rescinded.
13. 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, Steven R. Ritchie, 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 July 20, 1988.

A handwritten signature in black ink, appearing to read 'Steven R. Ritchie', written in a cursive style.

Steven R. Ritchie
Executive Officer

Attachments: A) Site map
B) Self Monitoring Program



SCALE: 1 in. = 525 Ft.

MW ⊕ = MONITORING WELL
 ① = SLUDGE BASIN

STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION		
ATTACHMENT A: DIAMOND TANK LINES CLASS III SLUDGE TREATMENT AND DISPOSAL FACILITY, SITE MAP WITH MONITORING WELL LOCATIONS		
DRAWN BY:	DATE:	DRWG. NO.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

DIAMOND TANK LINES & TRANSPORTATION, INC.
ARMAND KUNDE

DIAMOND TANK LINES CLASS III SLUDGE TREATMENT AND DISPOSAL FACILITY
MILPITAS, SANTA CLARA 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.4 of Regional Board Order No. 88-120.

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 sludge disposal area and Penitencia Creek are the receiving waters.

3. Standard observations refer to:

a. Receiving Waters

- 1) Discoloration 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: estimated flow for both San Antonio Creek and West Slough
- 5) Weather conditions: wind direction and speed, total precipitation during the previous five days and on the day of observation.

b. Perimeter of 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 and source, and distance of travel from source
- 3) Evidence of erosion

c. The waste management unit.

- 1) Evidence of ponded water at any point on the waste management facility other than in the sludge drying ponds.
- 2) Evidence of odors, presence or absence, characterization and 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. Chloride
- e. Total Organic Carbon
- f. Nitrate Nitrogen
- g. Iron
- h. Aluminum
- i. Water Elevation in feet above or below Mean Sea Level

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 off 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.5. 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 vice president 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. Results of analyses at the compliance points.

2. A groundwater elevation contour map with determinations of the velocity of groundwater flow under/around the waste management unit. The contour map should include the elevation of leachate in the leachate monitoring wells in addition to the groundwater elevations.

c. A topographic map shall accompany each report showing observation and monitoring station locations with elevations using mean sea level as the datum.

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.

e. An evaluation to determine if the WQPS have been exceeded in any of the monitoring wells pursuant to Section 2555 (h) of Subchapter 15.

f. A summary and certification of completion of all standard observations for the waste management unit, the perimeter of the waste management unit, and the receiving waters.

g. The quantity and types of waste disposed of the during the past quarter and the locations of the waste disposal operations.

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 in which filling has been completed during the previous year.
 - d. A written summary of the groundwater analyses indicating any change in water quality.
 - e. An evaluation of the effectiveness of the leachate monitoring and control facilities.
 - f. An evaluation of compliance with the site waste discharge requirements.
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 and weight of sludge 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 site map. Report this information quarterly.

B. On-Site Observations

STATION	DESCRIPTION	OBSERVATION	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'	Located at equidistant intervals not exceeding 1000 feet around the perimeter of the waste management unit.	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'	At any point(s) at which seepage is found occurring from the waste management unit.	Standard observations for the perimeter, and standard analysis other than "i".	Daily until remedial action is taken and seepage ceases.
CU-1	Upstream receiving waters located in Penitencia Creek 200 feet upstream from the upper-most point of seepage discharge.	Standard observations for receiving waters and standard analyses other than "i".	Daily during a seepage event
CD-1 thru CD-'n'	Downstream receiving waters located in Penitencia Creek 200 feet downstream of seepage discharge(s).	"	"

D. Groundwater compliance monitoring

STATION	DESCRIPTION	OBSERVATION/ ANALYSIS	FREQUENCY
Monitoring Wells MW-3, MW-7, MW-8, MW-12	As shown on Attachment A of Order No. 88-120.	Standard Analysis	Quarterly

E. Background Groundwater Monitoring

STATION	DESCRIPTION	OBSERVATION/ ANALYSIS	FREQUENCY
Monitoring Wells MW-1, MW-5, and MW-9	As shown on Attachment A of Order No. 88-120.	Standard Analysis	Quarterly

2. CONTINGENCY REPORTING

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

I, Steven R. Ritchie, 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. 88-120.
2. Is effective on the date shown below, and supercedes the previously issued Program.
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.



Steven R. Ritchie
Executive Officer

7/20/88
Date Ordered