ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

Alameda County Environmental Health Dept.
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577
(510)567-6700 fax: (510)337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

January 19, 1996

Attn: Bill Gilmour
Waste Management of Alameda County, Inc.
10840 Altamont Pass Rd
Livermore CA 94550

Dear Mr. Gilmour:

UNDERGROUND STORAGE TANK (UST) CASE
Altamont Landfill
10840 Altamont Pass Rd
Livermore CA 94550
SITE NO. 1839

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721 (e). If a change in land use is proposed, the owner must promptly notify this agency.

Please telephone Amy Leech at (510)567-6700 if you have any questions regarding this matter.

Sincerely,

Jun Makishima

Jun Makishima, Interim Director

ATTACHMENT

c: Acting Chief of Environmental Protection Division
Bill Raynolds, Office of Solid Waste Management w/attachment
Steve Rosenbaum, Central Valley RWQCB w/attachment
James Brathovde, Central Valley RWQCB
Mike Harper, SWRCB w/attachment
Files(ALL)

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WMX Environmental Monitoring Laboratories, Inc.

A WMX Technologies Company
2100 Clearwater Drive
Geneva, Illinois 60134

Phone 708.208 3100
Fax 708.208 9064

March 24, 1995

Mr. Bill Gilmour
19840 Altamont Pass Road
Livermore, CA 94550-9745

Dear Mr. Gilmour:

At your request, I have reviewed groundwater quality data at monitoring wells located at Altamont Landfill to determine if there is evidence of contamination from diesel fuel and/or degradation by-products. Monitoring wells located both upgradient and downgradient of the diesel fuel tank were reviewed including the groundwater interceptor trench located just downgradient from the UST area. Groundwater quality data from monitoring wells E-17 and E-18 located further downgradient from the groundwater interceptor trench also were reviewed.

Groundwater was sampled for VOCs and semi-volatile compounds including all tentatively identified compounds. Any impact of diesel fuel to groundwater would cause aromatic hydrocarbons such as benzene, toluene, ethyl benzene and xylenes (BTEX) to be detected as well as PAHs and or PNAs such as napthalene, pyrene, or chrysene that are common constituents of diesel fuel.

The closest downgradient sampling point was the groundwater interceptor trench. This trench was designed to intercept and remove any groundwater that flowed downgradient from the landfill, including the prior location of the diesel fuel tank. No VOC or semi-volatile compounds or any unknown additional compounds were detected. There also were no detected compounds from the VOC and semi-volatile analyses in E-17 and E-18 except that tentatively identified compounds (TICs) were found. The TICs for E-17 were an unknown alcohol and E-18 had three unknown alcohols and one unknown organic compound. There are no known byproducts or additives known to be present in diesel fuel that would account for unknown alcohols. Alcohols can be found in natural organic residues and plants.

Since the groundwater interceptor trench would have been the closest downgradient sampling location from the diesel fuel tank area, there is no evidence of a groundwater quality impact from diesel fuel or byproducts since none of the VOC or semi-volatile analytes were detected in samples from groundwater.

Please call me if you need further information.

Sincerely,

John A. Baker
Senior Environmental Scientist
WMX-Environmental Monitoring Lab

WMX

WMX Environmental Monitoring Laboratories, Inc.

A WMX Technologies Company
2100 Cleanwater Drive
Geneva, Illinois 60134

Phone 708 208 3100
Fax 708.208.9064

Mr. Bill Gilmour
19840 Altamont Pass Road
Livermore, CA 94550-9745

Dear Mr. Gilmour;

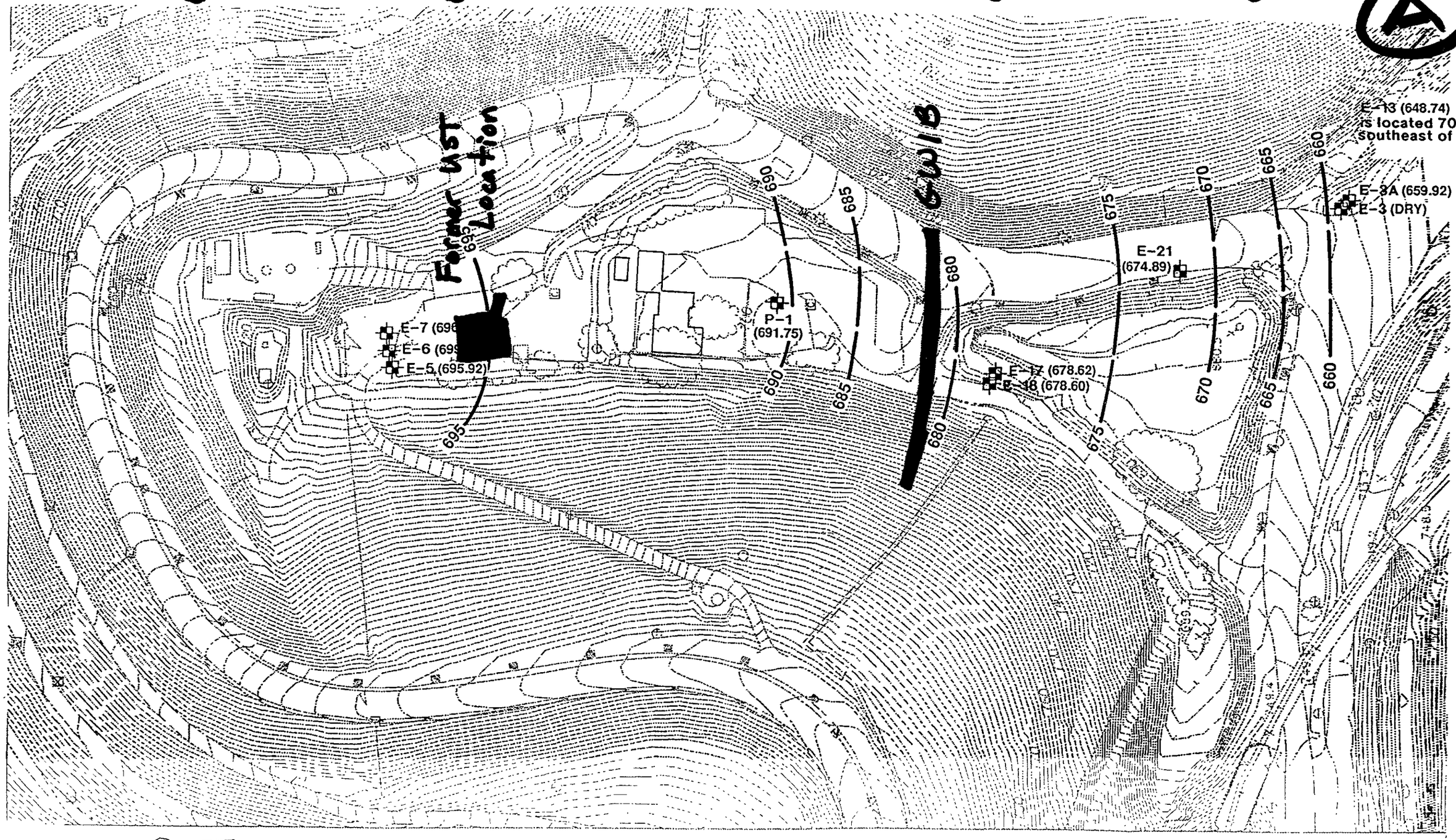
This letter provides supplemental information for my letter of March 24, 1995 regarding the groundwater quality evaluation for Altamont Landfill. Groundwater quality data available from January 1, 1993 to March 22, 1995 for monitoring wells located near the former underground tank area for storage of diesel fuel were reviewed. The groundwater samples were analyzed for VOCs and semi-volatile compounds using USEPA methods 8260 and 8270 respectively. The detection limits for these analytes and historical data reviewed are shown on the attached tables.

Please notify me if you need further information.

Sincerely,

John A. Baker
Senior Environmental Scientist
WMX-Environmental Monitoring Laboratories, Inc.

329065



SCALE 1"=100'

0 100 200 300

LEGEND

E-7 — GROUND-WATER MONITORING WELL; WATER ELEVATION IN FEET - MSL

695 — ALLUVIAL GROUND-WATER CONTOUR, SHOWING ELEVATION IN FEET - MSL

RUST ENVIRONMENT & INFRASTRUCTURE

San Jose, California

ALTAMONT LANDFILL & RESOURCE RECOVERY FACILITY
ALAMEDA COUNTY, CALIFORNIA

GROUND-WATER CONTOUR MAP

3

4th Qtr '94

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WMX Environmental Monitoring Laboratories, Inc.

A WMX Technologies Company
2100 Clearwater Drive
Geneva, Illinois 60134

Phone 708 208.3100
Fax 708.208 9054

March 24, 1995

Mr. Bill Gilmour
19840 Altamont Pass Road
Livermore, CA 94550-9745

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Groundwater was sampled for VOCs and semi-volatile compounds including all tentatively identified compounds. Any impact of diesel fuel to groundwater would cause aromatic hydrocarbons such as benzene, toluene, ethyl benzene and xylenes (BTEX) to be detected as well as PAHs and or PNAs such as napthalene, pyrene, or chrysene that are common constituents of diesel fuel.

The closest downgradient sampling point was the groundwater interceptor trench. This trench was designed to intercept and remove any groundwater that flowed downgradient from the landfill, including the prior location of the diesel fuel tank. No VOC or semi-volatile compounds or any unknown additional compounds were detected. There also were no detected compounds from the VOC and semi-volatile analyses in E-17 and E-18 except that tentatively identified compounds (TICs) were found. The TICs for E-17 were an unknown alcohol and E-18 had three unknown alcohols and one unknown organic compound. There are no known byproducts or additives known to be present in diesel fuel that would account for unknown alcohols. Alcohols can be found in natural organic residues and plants.

Since the groundwater interceptor trench would have been the closest downgradient sampling location from the diesel fuel tank area, there is no evidence of a groundwater quality impact from diesel fuel or byproducts since none of the VOC or semi-volatile analytes were detected in samples from groundwater.

Please call me if you need further information.

Sincerely,

John A. Baker
Senior Environmental Scientist
WMX-Environmental Monitoring Lab

WMX

B

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2100 Cleanwater Drive
Geneva, Illinois 60134

Phone 708 208 3100
Fax 708 208 9064

Mr. Bill Gilmour
19840 Altamont Pass Road
Livermore, CA 94550-9745

Dear Mr. Gilmour;

This letter provides supplemental information for my letter of March 24, 1995 regarding the groundwater quality evaluation for Altamont Landfill. Groundwater quality data available from January 1, 1993 to March 22, 1995 for monitoring wells located near the former underground tank area for storage of diesel fuel were reviewed. The groundwater samples were analyzed for VOCs and semi-volatile compounds using USEPA methods 8260 and 8270 respectively. The detection limits for these analytes and historical data reviewed are shown on the attached tables.

Please notify me if you need further information.

Sincerely,

John A. Baker

John A. Baker
Senior Environmental Scientist
WMX-Environmental Monitoring Laboratories, Inc.

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Agency name: **Alameda County-HazMat** Date: **05/17/95**
Date:City/State/Zip: **Alameda, CA 94502** Address: **1131 Harbor Bay Pkwy**
Responsible staff person: **Amy Leech** Phone: **(510) 567-6700**
Title: **Haz. Mat. Spec.**

II. CASE INFORMATION

Site facility name: Altamont Landfill
Site facility address: 10840 Altamont Pass Rd., Livermore, CA 94550
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.:**1839**
URF filing date: 02/08/95 SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Attn: Bill Gilmour Waste Management of ALCO, Inc. Livermore, CA 94550	10840 Altamont Pass Rd.	(510)449-6349

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	12,000	Diesel	removed	01/03/90
2	10,000	Diesel	removed	01/03/90

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release:
Reportedly, visual inspection of product lines before removal showed areas of failure in fittings beneath each dispenser.

Site characterization complete?
This site is under substantial regulation by multiple regulatory agencies, including Central RWQCB and Alameda County Solid Waste Management. The location of the former diesel tanks is within a pre-existing groundwater monitoring area for leachate recovery from the landfill.

Date approved by oversight agency: n/a

Monitoring Wells installed? Number: N/A
No monitoring wells were installed specifically for this investigation. However, piezometers and a groundwater collection trench exist downgradient of the former diesel tank pit.

Proper screened interval? N/A

Highest GW depth below ground surface: N/A Lowest depth: N/A
According to 1990 monitoring reports, Mr. Gilmour reported that groundwater levels were measured between 15 to 20 feet bgs.

Flow direction: South

Most sensitive current use: Not Drinking (others not determined) -- site is currently used as a Class III Landfill.

Are drinking water wells affected? No Aquifer name: not known

Is surface water affected? NO Nearest affected SW name:N/A

Off-site beneficial use impacts (addresses/locations): Not Known

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (cont'd)

Report(s) on file? **YES** Where is report(s) filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tank	2 USTs	H&H Ship Service 220 China Basin St. San Francisco CA 94101	01/03/90
Soil	50 cy	Chemical Waste Management 35251 Old Skyline Rd. Kettleman City, CA 94239	05/04/90
Soil	30 cy	Used as cover at Altamont Landfill	

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before*	After**
TPH (Diesel)	6400	ND	7,300	NT
Benzene	ND	"	ND	ND
Toluene	0.03	"	ND	ND
Xylenes	ND	"	10	ND
Ethylbenzene	ND	"	ND	ND

* "Before water" sample was a "grab" sample taken from the tank pit -- it is not known if this was groundwater or run-off water due to rain.

** "After water" sample represents results from pre-existing monitoring wells E-17 and E-18 and the groundwater interceptor trench GWIB. Quarterly monitoring reports from 1/93 through 3/95 showed non-detect levels for constituents analyzed for with EPA method 8260 for VOCs and 8270 for semi-volatile compounds.

Comments (Depth of Remediation, etc.): Overexcavation of soil was completed at the product line trench, pump island, and north end of the tank excavation.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES
Site management requirements: Continue monitoring as required by the Central Valley RWQCB.

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: N/A
Number Decommissioned: N/A Number Retained: N/A

List enforcement actions taken: None

List enforcement actions rescinded:N/A

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Amy Leech Title: Hazardous Materials Spec
Signature: A. Leech Date: 5/17/95

Reviewed by
Name: Juliet Shin Title: Sr. Hazardous Mat. Spec.
Signature: J. Shin Date: 5/17/95

Name: Eva Chu Title: Hazardous Materials Spec
Signature: E. Chu Date: 5/17/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 5/17/95 RB Response: closure approved see letter 31 October 1995
RWQCB Staff Name: Beth Thayer Title: Associate Engineering Geologist
Signature: James Bruthovde JAMES BRUTHOVDE Date: 9 January 1996

VII. ADDITIONAL COMMENTS

On January 3, 1990, two underground storage tanks (USTs) were removed from this site: one 10,000-gallon diesel UST and one 12,000-gallon diesel UST.

Initial soil samples taken from the tank pit identified TPHd levels from non-detect (ND) to 130 ppm. Soil samples from the product line trench identified TPHd at 1,300 ppm and 6,400 ppm at the pump island. BTEX was not identified in any soil samples. Overexcavation was completed in the identified "hot spots" until confirmatory soil samples at the excavation boundaries were ND for TPHd and BTEX.

A "grab" sample of water was collected from the UST pit. This sample was analyzed for TPHd and BTEX. TPHd was identified at 7,300 ppb, xylenes at 10 ppb, and all other constituents were ND. It is not known if the water in the tank pit was ground water or run-off from rain. Inspector notes indicate that the "grab"

sample was collected at approximately 14 feet bgs and the first quarter groundwater monitoring report for 1990 indicates that groundwater levels were between 15-20 feet bgs in this area.

According to Bill Gilmour, Sr. Environmental Engineer with Altamont Landfill, and Steven Rosenbaum with Central Valley RWQCB, the former diesel tanks were located within a leachate recovery area of the landfill. Based on telephone conversations with them, the compliance point set by the Central Valley RWQCB for water quality is located approximately 400 feet downgradient from the former diesel pit after a groundwater interceptor trench GWIB (see attachment A). This trench, which was installed in 1988, collects groundwater migrating through the area of the former tank pit. The groundwater samples collected in the trench and downgradient monitoring wells, E-17 and E-18, are analyzed for many constituents which include analyses for VOCs and semi-volatile compounds by USEPA methods 8260 and 8270 respectively. These methods would detect the presence of BTEX, PNAs and PAHs. Based on laboratory reports reviewed by WMX Environmental Monitoring Laboratories, Inc., BTEX, PNAs and PAHs were not detected in groundwater samples from the groundwater interceptor trench (GWIB) from January 1993 through March 1995 (see Attachment B).

From 1988 through 1992 the groundwater collected in the groundwater interceptor trench GWIB was pumped to a leachate pond for treatment. From 1992 through 1994 this groundwater was treated by either a fixed film or the leachate pond. From August 1994 to date, this groundwater has been treated at an on-site waste water treatment plant. Groundwater monitoring results for monitoring wells E-17 and E18, located downgradient of GWIB, from January 1993 to March 1995 were reviewed for BTEX, PNAs, and PAHs. BTEX, PNAs, and PAHs were not detected during this time period.

Per Mr. Gilmour, groundwater gradient and sample analysis have occurred on a quarterly basis since 1986 and will continue to occur quarterly as part of the on-going management of the landfill.

Since it appears that most of the diesel contaminated soil was removed and that the site of contamination is within a "non-compliance" area in regard to groundwater quality and there is an ongoing groundwater monitoring plan overseen by the Central Valley RWQCB, no additional investigations beyond what is currently required for the management of the landfill, are warranted.

We recommend this case be closed by Alameda County Local Oversight Program and that any further investigations of this matter be included as part of the management of the landfill.

c: Bill Raynolds, Alameda County Office of Solid Waste Management
Steven Rosenbaum, Central Valley RWQCB

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

Project # U552988
Fee Paid $ 498
Date 12/11/89

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by the Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.

One copy of these accepted plans must be on hand and available to all contractors and craftsmen involved with the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire Department and to the Building Inspection Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 48 hours prior to the following required inspections:

Sampling

Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Approval of Tank and Piping

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. **Business Name** Oakland Scavenger Company, Altamont Landfill Division

   Business Owner Waste Management of North America

2. **Site Address** 10840 Altamont Pass Road

   City Livermore **Zip** 94550 **Phone** (415) 465-0178

3. **Mailing Address** 2000 Embarcadaro

   City Oakland **Zip** 94607 **Phone** (415) 532-1400

4. **Land Owner** Oakland Scavenger Company

   Address 2000 Embarcadaro **City, State** Oakland, CA **Zip** 94607

5. **EPA I.D. No.** CAD 981382732

6. **Contractor** Ensco Environmental Services, Inc.

   Address 41674 Christy Street

   City Fremont **Phone** (415) 659-0404

   License Type "A" General Engineering **ID#** 550205

7. **Consultant** Ensco Environmental Services, Inc.

   Address 41674 Christy Street

   City Fremont **Phone** (415) 659-0404

8. Contact Person for Investigation

Name Clay Rumbaoa Title Project Engineer

Phone (714) 474-2311

9. Total No. of Tanks at facility 2

10. Have permit applications for all tanks been submitted to this office? Yes [X] No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name NA EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

b) Rinsate Transporter

Name H & H Ship Services EPA I.D. No. CAD004771168

Address 220 China Basin

City San Francisco State CA Zip 94107

c) Tank Transporter

Name H & H Ship Services EPA I.D. No. CAD004771168

Address 220 China Basin

City San Francisco State CA Zip 94107

d) Tank Disposal Site

Name H & H Ship Services EPA I.D. No. CAD004771168

Address 220 China Basin

City San Francisco State CA Zip 94107

e) Contaminated Soil Transporter

Name NA EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

12. **Sample Collector**

Name "On site technician with Chain of Custody"

Company Ensco Environmental Services, Inc.

Address 41674 Christy Street

City Fremont **State** CA **Zip** 94538 **Phone** (415) 659-0404

13. **Sampling Information for each tank or area**

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
12,000	~~Unleaded Fuel~~ Diesal Fuel	Soil	Native Soil 1 Sample Beneath each end of tank
10,000	Diesal Fuel	Soil	Native Soil 1 Sample Beneath each end of tank
	Tank piping & vent lines	Soil	Dispenser Island 1 Sample per 25' of piping

14. **Have tanks or pipes leaked in the past? Yes [ ] No [X]**

If yes, describe. _____

15. **NFPA methods used for rendering tank inert? Yes [X] No [ ]**

If yes, describe. Inert tanks with 25 pound per 1000 gallon of tank capicity inert with dry ice/

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. **Laboratories**

Name BC Analytical

Address 1255 Powell Street

City Emeryville **State** CA **Zip** 94608

State Certification No. Cal State Hazourdous waste ID #1004

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TPHD	EPA 3510	EPA Modified 8015
BTEX	EPA 5030	EPA 8020
TPHG	EPA 5030	EPA Modified 8015
BTEX	EPA 5030	EPA 8020

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [X] No [ ]

Copy of Certificate enclosed? Yes [X] No [ ]

Name of Insurer Liberty Mutual Insurance Company

20. Plot Plan submitted? Yes [X] No [ ]

21. Deposit enclosed? Yes [X] No [ ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

a) Chain of Custody Sheets

b) Original Signed Laboratory Reports

c) TSD to Generator copies of wastes shipped and received

d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Saftey and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Gary DellaVecchia

Signature Gary L. DellaVecchia

Date 12-11-89

Signature of Site Owner or Operator

Name (please type) Michael Crosetti

Signature Michael Crosetti

Date 12/11/89