

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



Ro# 913

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9335 (FAX)

StID 2084

July 22, 1998

Mr. Doug Jamieson  
Jamieson Co  
P.O. Box 850  
Pleasanton, CA 94566-0872

Mr. Chris Mathias  
Cal Mat  
P.O.Box 636  
Pleasanton, CA 94566

**Re: Fuel Leak Site Case Closure for 501 El Charro Road (aka 52 El Charro Road),  
Pleasanton, CA**

Dear Messrs. Jamieson and Mathias:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

**SITE INVESTIGATION AND CLEANUP SUMMARY**

Please be advised that the following conditions exist at the site:

- up to 150 ppm TPH as diesel and 210 ppm Oil and Grease exists in soil beneath the site.

If you have any questions, please contact me at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

enclosures:

1. Case Closure Letter
2. Case Closure Summary

c: City of Pleasanton, 200 Old Bernal Ave, P.O. Box 520, Pleasanton, CA 94566  
files (jamieson-7)



ENVIRONMENTAL HEALTH SERVICES  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9335 (FAX)

**REMEDIAL ACTION COMPLETION CERTIFICATION**

**StID 2084 - 501 El Charro Road (aka 52 El Charro Road), Pleasanton, CA  
(1-10K gallon diesel tank removed on October 14, 1992)**

July 22, 1998

Mr. Doug Jamieson  
Jamieson Co  
P.O. Box 850  
Pleasanton, CA 94566-0872

Mr. Chris Mathias  
Cal Mat  
P.O.Box 636  
Pleasanton, CA 94566

Dear Messrs. Jamieson and Mathias:

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank are greatly appreciated.

Based on information in the above-referenced file 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 tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director

cc: Richard Pantages, Chief of Division of Environmental Protection  
Chuck Headlee, RWQCB  
Dave Deaner, SWRCB  
Danielle Stefani, Livermore-Pleasanton Fire Dept  
files-ec (jamieson-6)

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program**

**I. AGENCY INFORMATION**

**Date:** September 13, 1996

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pkwy**  
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**  
Responsible staff person: **Eva Chu** Title: **Hazardous Materials Spec.**

**II. CASE INFORMATION**

Site facility name: **Jamieson Company**  
Site facility address: **501 El Charro Rd, Pleasanton, CA 94566**  
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **2084**  
URF filing date: **SWEEPS No: N/A**

| <u>Responsible Parties:</u>             | <u>Addresses:</u>                         | <u>Phone Numbers:</u> |
|---|---|-----------------------|
| Jamieson Company<br>Attn. Doug Jamieson | P.O. Box 850<br>Pleasanton, CA 94566-0872 | 510/455-9000          |
| Cal Mat<br>Attn. Richard Kelly          | P.O. Box 636<br>Pleasanton, CA 94566      | 510/846-2852          |

| <u>Tank No:</u> | <u>Size in gal.:</u> | <u>Contents:</u> | <u>Closed in-place or removed?:</u> | <u>Date:</u> |
|-----------------|----------------------|------------------|-------------------------------------|--------------|
| 1               | 10,000               | Diesel           | Removed                             | 10/14/92     |

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: **Unknown**  
Site characterization complete? **YES**  
Date approved by oversight agency: **8/2/96**  
Monitoring Wells installed? **Yes** Number: **1**  
Proper screened interval? **Yes, 59' to 79' bgs (below ground surface)**  
Highest GW depth below ground surface: **63.49'** Lowest depth: **79.74'**  
Flow direction: **North, northwest, based on groundwater flow direction at the Industrial Asphalt Corporation, an adjacent site.**  
Most sensitive current use: **Industrial**  
Are drinking water wells affected? **No** Aquifer name: **Amador Subbasin**  
Is surface water affected? **No** Nearest affected SW name: **NA**  
Off-site beneficial use impacts (addresses/locations): **None**

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:

| <u>Material</u> | <u>Amount</u><br><u>(include units)</u> | <u>Action (Treatment</u><br><u>or Disposal w/destination)</u> | <u>Date</u> |
|-----------------|---|---|-------------|
| Tank            | 1 UST                                   | Erickson, in Richmond   | 10/14/92    |
| Piping          |   |   |             |
| Rinsate         | 400 gallon                              | Refinery Services, in Patterson                               | 9/2/92      |
| Soil            | Unknown quantity                        | processed into asphalt to pave onsite road                    | 1992        |

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

| Contaminant                | Soil (ppm)          |       | Water (ppb) |       |
|----------------------------|---------------------|-------|-------------|-------|
|                            | Before <sup>1</sup> | After | Before      | After |
| TPH (Gas)                  | <2                  |       | NA          |       |
| TPH (Diesel)               | 150                 |       | 50          | ND    |
| Benzene                    | ND                  |       | ND          | ND    |
| Toluene                    | ND                  |       | ND          | ND    |
| Ethylbenzene               | ND                  |       | ND          | ND    |
| Xylenes                    | ND                  |       | ND          | ND    |
| Oil & Grease               | 210 <sup>2</sup>    |       | NA          | ND    |
| Heavy metals               |                     |       |             |       |
| Other cyanide              | 1.8 <sup>3</sup>    |       | ND          |       |
| endosulfan II              | 0.2 <sup>3</sup>    |       | ND          |       |
| DDT                        | 0.1 <sup>3</sup>    |       | ND          |       |
| bis(2-Ethylhexyl)phthalate | 28 <sup>3</sup>     |       |             |       |

- NOTE:
- 1 soil from native soil ~7' below tank invert
  - 2 soil from boring CJMW-1 at 25.5' bg
  - 3 white powder from boring CJMW-1 at 21' to 24' bg

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: **None**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **No, pending site closure**

Number Decommissioned: 0      Number Retained: 1

List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: *Eva Chu* Date: *10/4/96*

**Reviewed by**

Name: **Juliet Shin** Title: **Sr. Haz Mat Specialist**

Signature: *Juliet Shin* Date: *9/13/96*

Name: **Thomas Peacock** Title: **Supervisor**

Signature: *Thomas Peacock* Date: *10-4-96*

**VI. RWQCB NOTIFICATION**

Date Submitted to RB: *10/7/96* RB Response: *Approved*

RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature: *Kevin Graves* Date: *10-15-96*

**VII. ADDITIONAL COMMENTS, DATA, ETC.**

A 10,000 gallon diesel underground storage tank (UST) was discovered during grading activities to change the gradient of a drainage ditch for surface runoff at the eastern portion of the property. The UST was removed on Oct 14, 1992. The tar coating appeared to be nearly intact and only slightly damaged.

Backfill material extended to approximately 21' bgs, or approximately five feet below the base of the tank cavity. Three soil samples were collected at ~15' to 16' bgs in stained, fill material, and one soil sample was collected from ~23' bgs in native soil about seven feet below the bottom of the tank. Soil samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), TPHd (diesel), TPHo (oil), BTEX (benzene, toluene, ethylbenzene and xylenes), and total lead. Up to 150 ppm TPHd and non-detectable levels of TPHg, TPHo, BTEX, and total lead were identified at 23' bgs. The stained, fill material at 15' and 16' bgs contained up to 12,000 ppm TPHd. (See Figs 1 and 2, Table 1). Obvious hydrocarbon-impacted backfill materials and underlying soils (visually screened) were removed from the tank cavity.

In March 1993 two soil borings, CJB-1 and CJB-2, were drilled immediately south and west, respectively, of the former tank excavation to a depth of ~60' bgs. A third boring, CJMW-1, was drilled immediately north of the former tank location and converted into a groundwater monitoring well. Select soil samples were analyzed for TPHd, TPHo (if the EPA 3510 scan

indicated the presence of oil), and BTEX. (See Table 2). A white powder that was encountered in boring CJMW-1 between 21.5' to 24'bgs was analyzed for CAM Metals, pH, organochlorine pesticides, phenols, sulfide, and cyanide. Groundwater was analyzed for TPHd and BTEX. (See Fig 3, Tables 3 and 4)

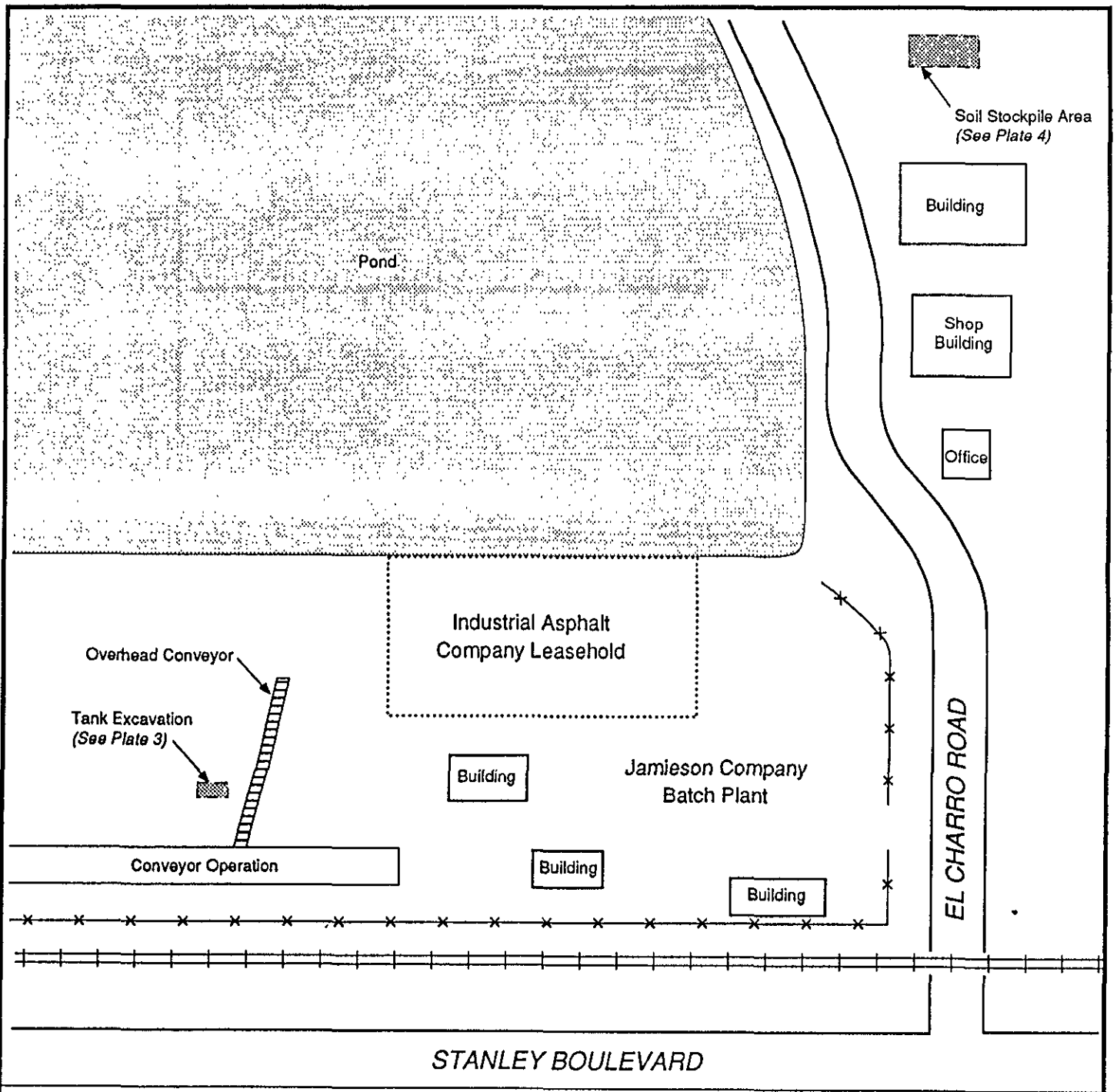
Targeted analytes were not detected except for low levels of TPHo from boring CJB-2 at 60' bgs and from boring CJMW-1 at 25' and 40'bgs. The white powder contained geogenic levels of metals, 212ppm sulfide, 1.8ppm cyanide, 0.2ppm endosulfan II, 0.1ppm DDT, and 28ppm bis(2-Ethylhexyl)phthalate. Constituents detected in the white powder should pose no human health risk because concentrations identified were significantly below EPA's Region IX Preliminary Remediation Goals (PRG) (1995) for residential scenario. (PRGs are used as a predictor of single-contaminant risk estimates for a specific environmental media (e.g. soil, air, and tap water)).

Groundwater which was collected from well CJMW-1 in April 1993 contained 50ppb TPHd, but no BTEX compounds. In August 1994 another groundwater sample was collected and analyzed for TPHd, BTEX, cyanide, pesticides, endosulfan II, and bis-(2-ethylhexyl)phthalate. None of the above analytes were detected above the detection limits. A third sampling event in November 1994 did not identify TPHd, TPHo, or BTEX. (See Table 5)

It appears the fuel release from the former UST was very localized and did not significantly impact soil or groundwater quality beneath the site. Residual contaminants in soil should not pose a risk to human health or the environment. Continued groundwater monitoring is not warranted.

In summary, case closure is recommended because:



- o the leak and ongoing sources have been removed;
- o the site has been adequately characterized;
- o the dissolved plume is not migrating;
- o no water wells, surface water, or other sensitive receptors are likely to be impacted; and,
- o the site presents no significant risk to human health or the environment.

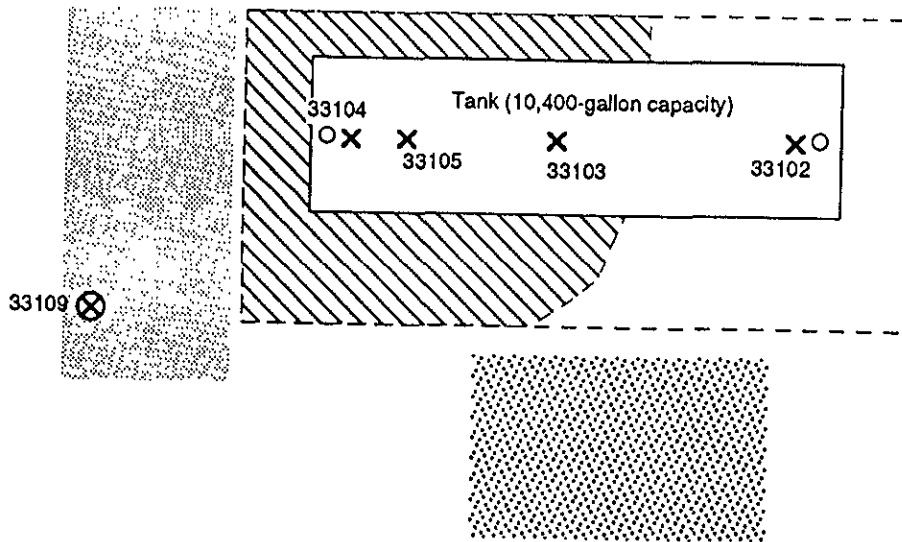


— x — x — FENCE  
 — | — | — RAILROAD  
 PREVIOUS UNDERGROUND STORAGE TANK LOCATION AND EXCAVATION AREA






 NOT TO SCALE

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|  |   |   |
|--|---|---|
|  <b>KLEINFELDER</b> | <b>SITE MAP</b><br><br>JAMIESON COMPANY<br>501 EL CHARRO ROAD<br>PLEASANTON, CALIFORNIA | PLATE<br><br>1<br><br> |
| DRAFTED BY: L. Sue<br>CHECKED BY: G. Jett  | DATE: 11-6-92<br>DATE: 11-11-92   | PROJECT NUMBER 10-2300-02   |

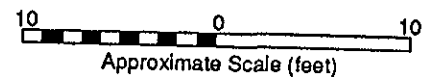


**LEGEND**

-  LIMIT OF STAINED BACKFILL MATERIAL (approximate)
-  "CLEAN" SOILS REMOVED APPROXIMATELY OCTOBER 14, 1992
-  CONTAMINATED SOILS REMOVED (placed on plastic) OCTOBER 15, 1992
-  CLOSURE SAMPLE (approximate location)
-  COMPOSITE SAMPLE (approximate location)  
*See Plate 4 for additional composite sample locations.*

| SAMPLE NUMBER | APPROX. DEPTH (ft) | MATERIAL TYPE                                   |
|---------------|--------------------|---|
| 33102         | 15                 | Sandy Fill                                      |
| 33103         | 15                 | Sandy Fill                                      |
| 33104         | 16                 | Sandy Fill within 6" of native soil             |
| 33105         | 23                 | Native gravel 7 feet below bottom of sandy fill |

Samples 33102, 33103 and 33104 were collected from locations specified by Alameda County Health Agency personnel.



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**DIAGRAM OF TANK EXCAVATION AND ORIGINAL LOCATION OF TANK**  
 JAMIESON COMPANY  
 501 EL CHARRO ROAD  
 PLEASANTON, CALIFORNIA  
 PROJECT NUMBER 10-2300-02

PLATE

2




DRAFTED BY: L. Sue

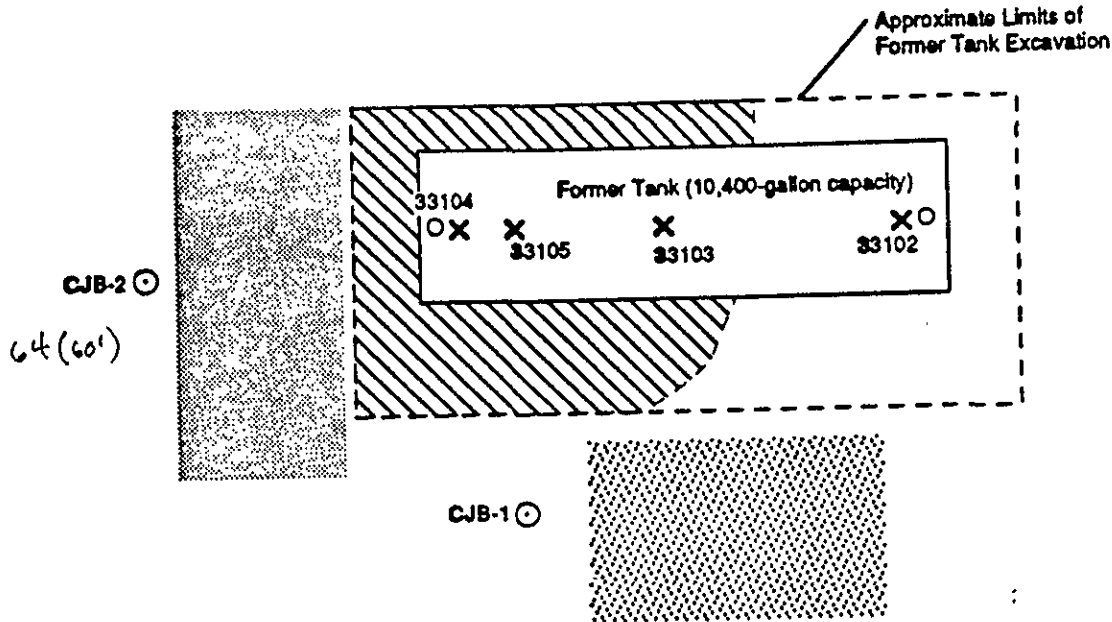
DATE: 10-16-92

CHECKED BY: G. Jett

DATE: 11-11-92









 CJMW-1  
 210 (25.5')  
 20 (40')



77pm TPH oil (depth)

**LEGEND**

-  LIMIT OF STAINED BACKFILL MATERIAL (approximate)
-  "CLEAN" SOILS REMOVED APPROXIMATELY OCTOBER 14, 1992
-  CONTAMINATED SOILS REMOVED (placed on plastic) OCTOBER 15, 1992
-  CLOSURE SAMPLE (approximate location)
-  SOIL BORING
-  MONITORING WELL

N (approximate)



NOTE: All locations are approximate.  
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**KLEINFELDER**

**SOIL BORING AND MONITORING WELL LOCATIONS**  
 JAMIESON COMPANY  
 501 EL CHARRO ROAD  
 PLEASANTON, CALIFORNIA  
 PROJECT NUMBER 10-2300-02

PLATE  
  
**3**

DRAFTED BY: L. Sue      DATE: 3-29-93  
 CHECKED BY: M. Bromley      DATE: 5-10-93

**TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
TANK CLOSURE SAMPLES  
JAMIESON COMPANY, PLEASANTON, CALIFORNIA  
OCTOBER, 1992**

| Total Sample Number              | Total Depth (Feet Below Grade) | TPH(g) (mg/kg) | TPH(d) (mg/kg) | TPH(o) (mg/kg) | Benzene (µg/kg) | Ethylbenzene (µg/kg) | Toulene (µg/kg) | Xylenses (µg/kg) | Lead (mg/kg) |
|----------------------------------|--------------------------------|----------------|----------------|----------------|-----------------|----------------------|-----------------|------------------|--------------|
| 33106<br>33107<br>33108<br>33109 | Composite                      | <6             | 630            | <50            | <5              | <5                   | <5              | <5               | <5           |
| 33102                            | 15                             | <0.2           | <1             | <5             | <5              | <5                   | <5              | <5               | <2           |
| 33103                            | 15                             | <700           | 12,000         | <500           | <300            | <300                 | <300            | <300             | <2           |
| 33104                            | 16                             | <1             | 1,800          | <100           | <5              | <5                   | <5              | <5               | <2           |
| 33105                            | 23                             | <2             | 150            | <5             | <5              | <5                   | <5              | <5               | <2           |

Notes:

TPH(g) Total Petroleum Hydrocarbons as gasoline  
 TPH(d) Total Petroleum Hydrocarbons as diesel  
 TPH(o) Total Petroleum Hydrocarbons as oil  
 mg/kg Milligrams per kilogram (parts per million)  
 µg/kg Micro grams per kilogram (parts per billion)  
 <x Not detected at or above the indicated value (detection limit)

*samples appear to have been diluted since detection limits are high*

See Plates 1 and 2 for sampling locations and types of materials sampled. Samples 33102, 33103, and 33104 collected from locations specified by Alameda County Health Agency personnel.



**TABLE 2: Rationale for Soil Sample Laboratory Analysis  
Soil and Ground Water Investigation  
CalMat - Jamison**

| <u>Boring Number</u> | <u>Sample Number</u> | <u>Sample Depth</u> | <u>Rationale for Sample Selection</u>                            |
|----------------------|----------------------|---------------------|--|
| <u>CJB - 1</u>       | 13204                | 25.5                | Sample 5 feet below tank excavation bottom                       |
|                      | 13206                | 36.0                | Sample possibly discolored                                       |
|                      | 13209                | 60.0                | Sample immediately above water table                             |
| <u>CJB - 2</u>       | 13212                | 21.0                | Sample had highest reading on Photoionization Detector           |
|                      | 13214                | 35.0                | Sample at corresponding depth from boring CJB - 1 was discolored |
|                      | 13217                | 60.0                | Sample immediately above water table                             |
| <u>CJMW - 1</u>      | 13221                | 21.0                | Sample consisted of unidentified white powder                    |
|                      | 13222                | 25.5                | Sample below tank excavation                                     |
|                      | 13225                | 40.0                | Wet Soils  |
|                      | 13227                | 61.0                | Sample immediately above water table                             |



**TABLE 13**  
**SUMMARY OF ANALYTICAL RESULTS**  
**SOIL BORING SAMPLES**  
**JAMISON COMPANY, PLEASANTON, CALIFORNIA**  
**OCTOBER, 1992**

| Sample Number | Location/<br>Depth (Feet<br>Below Grade) | TPH(d)<br>(mg/kg) | TPH(o)<br>(mg/kg) | Benzene<br>( $\mu$ g/kg) | Ethylbenzene<br>( $\mu$ g/kg) | Toluene<br>( $\mu$ g/kg) | Xylenes<br>( $\mu$ g/kg) |
|---------------|--|-------------------|-------------------|--------------------------|-------------------------------|--------------------------|--------------------------|
| 13204         | CJB-1/<br>25.5                           | <1                | NR                | <5                       | <5                            | <5                       | <5                       |
| 13206         | 36                                       | <1                | NR                | <5                       | <5                            | <5                       | <5                       |
| 13209         | 60                                       | <1                | NR                | <5                       | <5                            | <5                       | <5                       |
|               | CJB-2/                                   |                   |                   |                          |                               |                          |                          |
| 13212         | 21                                       | <1                | NR                | <5                       | <5                            | <5                       | <5                       |
| 13214         | 35                                       | <1                | <5                | <5                       | <5                            | <5                       | <5                       |
| 13217         | 60                                       | <1                | NR                | <5                       | <5                            | <5                       | <5                       |
|               | CJMW-1/                                  |                   |                   |                          |                               |                          |                          |
| 13221*        | 21.5                                     |                   |                   |                          |                               |                          |                          |
| 13222         | 25.5                                     | <1                | 210               | <5                       | <5                            | <5                       | <5                       |
| 13225         | 40                                       | <1                | 20                | <5                       | <5                            | <5                       | <5                       |
| 13227         | 61                                       | <1                | <1                | <5                       | <5                            | <5                       | <5                       |

**Notes:**

TPH(d) Total Petroleum Hydrocarbons as diesel

TPH(o) Total Petroleum Hydrocarbons as oil

mg/kg Milligrams per kilogram (parts per million)

$\mu$ g/kg Micrograms per kilogram (parts per billion)

<x Not detected at or above the indicated value (detection limit)

NR Not reported: No peak observed on GC Scan

See Plate 3 for sampling locations.

\* See report text for analytical results for this sample.



TABLE 4

Inorganic Analytical Results  
 Sample Number 13221 White Powder  
 Soil and Ground Water Investigation  
 CalMat - Jamison

**Analyte**

**Reported Concentration (mg/kg)**

|           |        |
|-----------|--------|
| Antimony  | <0.01  |
| Arsenic   | <0.01  |
| Barium    | 79.55  |
| Beryllium | <0.01  |
| Boron     | 10.00  |
| Cadmium   | 2.25   |
| Chromium  | 20.20  |
| Copper    | 12.20  |
| Lead      | 17.20  |
| Manganese | 164.80 |
| Mercury   | 1.320  |
| Nickel    | 18.10  |
| Selenium  | <0.01  |
| Silver    | <0.01  |
| Thallium  | <0.01  |
| Vanadium  | 14.70  |
| Zinc      | 24.40  |
| pH        | 8.59*  |
| Sulfide   | 212.00 |
| Cyanide   | 1.80   |

**Explanation**

mg/kg: Milligrams per kilogram

\* Standard units of pH



**TABLE 5**  
**SUMMARY OF ANALYTICAL RESULTS**  
**CALMAT-JAMIESON SITE**

| Well Number                          | Sample Date | Sample Number | TPH as Diesel <sup>1</sup><br>(mg/L) | TPH as Oil <sup>1</sup><br>(mg/L) | Benzene <sup>2</sup><br>(µg/L) | Toluene <sup>2</sup><br>(µg/L) | Ethylbenzene <sup>2</sup><br>(µg/L) | Total Xylenes <sup>2</sup><br>(µg/L) | Pesticides <sup>3</sup><br>(µg/L) | Bis(2-ethylhexyl)phthalate <sup>4</sup><br>(µg/L) |
|--------------------------------------|-------------|---------------|--------------------------------------|-----------------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------------|-----------------------------------|---|
| CJMW-1                               | Apr. 1993   | 61487         | 0.05                                 | NT                                | <0.5                           | <0.5                           | <0.5                                | <2                                   | NT                                | NT  |
|                                      | Aug. 1994   | 64226         | <0.05                                | NT                                | <0.5                           | <0.5                           | <0.5                                | <2                                   | <0.05 to <0.1                     | <10   |
|                                      | Aug. 1994   | 64109         | <0.05                                | NT                                | <0.5                           | <0.5                           | <0.5                                | <2                                   | <0.05 to <0.1                     | <10   |
|                                      | Nov. 1994   | 652390        | <0.05                                | <0.2                              | <0.5                           | <0.5                           | <0.5                                | <2                                   | NT                                | NT  |
| Drinking Water Standard <sup>6</sup> |             |               | —                                    | —                                 | 1                              | 1000 (40)                      | 680 (30)                            | 1750 (20)                            | Varies                            | —   |

**NOTES FOR TABLE 2**

- <sup>1</sup> Sample analysis via SM 3510 GC/FID.
- <sup>2</sup> Sample analysis via EPA Method 8020.
- <sup>3</sup> Sample analysis via EPA Test Method 8080.
- <sup>4</sup> Sample analysis via EPA Test Method 8270
- <sup>5</sup> Routine Laboratory detection limits. Some limits may vary. Please refer to attached laboratory reports for specific detection limits.
- <sup>6</sup> California Department of Health Services Drinking Water Standards, Primary Maximum Contaminant Levels (MCL); secondary MCLs listed in parentheses. Source: Water Quality Goals, California Regional Water Quality Control Board, February 1991.

TPH Total Petroleum Hydrocarbons.  
 <x Not Detected at or above laboratory reporting limit (x) indicated.  
 NT Not Tested

ENVIRONMENTAL  
PROTECTION

96 OCT 22 AM 8:50