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

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

August 23, 1999

STID 1745

Richard Saut
Penske Truck Leasing
P.O. Box 7635
Reading, PA 19603-7635

RE: 2709 Teagraden Street, San Leandro, Alameda County, California

Dear Mr. Saut:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]) of the California Health and Safety Code. The State Water Resources Control Board (SWRCB) has required since March 1, 1997 that this agency 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 this site.

**SITE INVESTIGATION AND CLEANUP SUMMARY**

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

- We have been advised that the monitoring wells associated with the investigation of the former fuel tank cluster have been properly destroyed under permit issued by Alameda County Public Works Agency. However, additional monitoring wells not associated with the investigation, and reportedly installed by the property owner, remain at the site.

- Up to 1300 ug/l Total Petroleum Hydrocarbons as Gasoline and 19 ug/l Benzene, among other fuel compounds, remain in groundwater beneath the site.

If you have any questions, please contact the undersigned at (510) 567-6783.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Enclosures:
1. Case Closure Letter
2. Case Closure Summary

c: Dick Pantages, Chief

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

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

August 24, 1999

STID 732

**REMEDIAL ACTION COMPLETION CERTIFICATION**

Richard Saut
Penske Truck Leasing
P.O. Box 7635
Reading, PA 19603-7635

RE: 2709 Teagarden Street, San Leandro, Alameda County, California

Dear Mr. Saut:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks 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 tanks 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 Section 2721(e) of Title 23 of the California Code of Regulations.

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

Sincerely,

Mee Ling Tung
Director, Environmental Health Services

c: Chuck Headlee, RWQCB
Dave Deaner, SWRCB **(w/attachment)**
Mike Bakaldin, San Leandro Hazardous Materials Program
Thomas Lopes, P.O. Box 1307, San Jose, CA 95105 **(w/attachment)**
SOS/files

PL#01-0685

CALIFORNIA REGIONAL WATER

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

FEB 05 1999

QUALITY CONTROL BOARD

## I. AGENCY INFORMATION

Date: 01/02/98

Agency name: **Alameda County-EPD** Address: **1131 Harbor Bay Pkwy #250**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Scott Seery** Title: **Haz. Materials Spec.**

## II. CASE INFORMATION

Site facility name: **Penske Truck Leasing**
Site facility address: **2709 Teagarden Street, San Leandro 94577**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **732**
URF filing date: **02/23/90** SWEEPS No: **N/A**

| Responsible Parties: | Addresses: | Phone Numbers: |
|---|---|---|
| Penske Truck Leasing<br>Attn: Richard Saut | P.O. Box 7635<br>Reading, PA 19603-7635 | |
| Thos. A. & Evelyn J. Lopes Trust et al | P.O. Box 1307<br>San Jose, CA 95109 | |

| Tank No: | Size in gal.: | Contents: | Closed in-place or removed?: | Date: |
|---|---|---|---|---|
| 1 | 8,000 | diesel | removed | 12/15/89 |
| 2 | 10,000 | " | " | " |
| 3 | 8,000 | gasoline | " | " |
| 4 | 10,000 | " | " | " |

## III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: probable tank/piping leaks and overfilling

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? YES Number: 5

Proper screened interval? YES

Highest GW depth below ground surface: 6.77' BG Lowest depth: 12.14' BG

Flow direction: predominantly to the south

Most sensitive current use: light industrial

**Leaking Underground Fuel Storage Tank Program**

## III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Are drinking water wells affected? NO Aquifer name: San Leandro cone

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 filed? **Alameda County**
**1131 Harbor Bay Pkwy**
**Alameda CA 94502**

**Treatment and Disposal of Affected Material:**

| Material | Amount (include units) | Action (Treatment or Disposal w/destination) | Date |
|---|---|---|---|
| Tank | 2x10K; 2x8K gals. | Disposal- H&H Ship Svs San Francisco, CA | 12/15/89 |
| Piping | UNK | | |
| Free Product | NA | | |
| Soil | 400 yds$^3$ | Disposal – Zanker Class III LF San Jose, CA | July 1990 |
| | 25 tons | Disposal – LWM Class II LF McKittrick, CA | 07/19/90 |
| Groundwater | 4,576 gals. | Disposal – various recyclers | 7/91 – 12/95 |
| | 12,630 gals. | Disposal – various recyclers | 2/96 – 5/98 |

**Maximum Documented Contaminant Concentrations - - Before and After Cleanup**

| Contaminant | Soil (ppm) | | Water (ppb) | |
|---|---|---|---|---|
| | Before[1] | After[2] | Before[3] | After[4] |
| TPH (Gas) | 150 | 420 | 20K | 1300 |
| TPH (Diesel) | 630 | 1300 | 9500K | 600 |
| Benzene | 0.17 | 0.092 | 96 | 19 |
| Toluene | 0.25 | 0.27 | 320 | 0.9 |
| Xylene | 0.6 | 0.58 | 210 | <2 |
| Ethylbenzene | ND | 0.3 | 180 | 1.5 |
| Other: **MtBE** | NA | NA | NA | 7 |

Note: 1) "Before" soil results reflect samples collected from the UST excavation during the December 1989 tank closures.

2) "After" soil results from samples collected at the 10' depth during advancement of borings (wells) Mw-2 and –3 during July 1991.

3) "Before" water results reflect a sample collected from the UST excavation during the December 1989 tank closures.

4) "After" water results reflect highest concentrations exhibited in samples collected from all wells in June 1998.

## III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

**Comments (Depth of Remediation, etc.):**

Two gasoline (one-8,000 gallon and one-10,000 gallon) and two diesel (one-8,000 gallon and one-10,000 gallon) underground storage tanks (UST) were removed from this site on December 15, 1989 under San Leandro Fire Department oversight. A "possible" leak was noted at the bottom seam at the eastern end of one diesel tank.

*Separate phase hydrocarbons* (aka "free product") was reportedly observed on groundwater entering the excavation in the area beneath the two gasoline USTs. Seven soil samples were collected from the base of the excavation at a reported depth of between 13 and 16' below grade (BG). Groundwater was also sampled. As groundwater later stabilized at a reported depth of approximately 9' BG, the initial soil samples appear to have been collected from saturated sediments. It also appears that backfill that had previously cradled the UST inverts at the base of the excavation was left in place. (SEE attached data tables for sample results)

In January 1990, additional backfill was reportedly removed from the excavation, but only to an overall reported depth of approximately 8' BG. The NNW portion of the excavation was reportedly extended to a depth of 11' BG. Four sidewall samples were collected at the 6' depth, several feet above the stabilized water level. (SEE attached data tables for sample results)

During July 18 and 19, 1990, approximately 400 $yds^3$ of excavated soil was reportedly transported to Zanker's Class iii landfill (San Jose, CA) and 25 tons to Liquid Waste Management's Class II landfill (McKittrick, CA) for disposal. H&H Environmental Services reportedly transported soil.

## IV. CLOSURE

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

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

Does corrective action protect public health for current land use? YES
Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: NO (pending case closure)

Number Decommissioned: 0 Number Retained: 5 (pending case closure)

List enforcement actions taken: None

List enforcement actions rescinded: NA

**Leaking Underground Fuel Storage Tank Program**

## V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Haz Mat Specialist
Signature: Date: 1-28-99

**Reviewed by**
Name: Tom Peacock Title: Supervising Haz Mat Specialist
Signature: Date: 2-3-99

Name: Amir Gholami Title: Haz Mat Specialist
Signature: Date: 1/28/99

## VI. RWQCB NOTIFICATION

Date Submitted to RB: 2-4-99 RB Response: Chuck Headlee
RWQCB Staff Name: Chuck Headlee Title: San. Eng. Assoc. Date: 2/11/99

## VII. ADDITIONAL COMMENTS, DATA, ETC.

During July 1991, three 4" monitoring wells were constructed around the former UST complex. Borings were advanced to a total reported depth of between 33 and 34.5' BG. Alternating sequences of silty-sand, sand, clay and clayey-sand were encountered at various depths in each borehole. Soil samples were collected for laboratory analysis at standard 5' intervals during boring advancement. Groundwater was initially encountered at approximately 15' BG in a sand or clayey-sand layer. Twenty five-foot (25') well screens were installed in the completed wells. Water eventually rose to <10' BG, suggesting confined conditions.

Elevated levels of fuel compounds were identified in samples collected from the 10' depth in two of the three boreholes (MW-2 and –3). Elevated concentrations of these fuel components were also identified in the initial water samples collected from the completed wells. After surveying well elevations, groundwater flow was calculated towards the SSE. (SEE data tables for initial depth-to-water [DTW] and sample results)

Two additional 4" wells (MW-4 and –5) were installed during January 1992 in the calculated downgradient direction from the UST complex. Borings were advanced to a total reported depth of between 33 and 35' BG. Soil samples were collected at 5' intervals. The geology, overall, was finer-grained in these new borings than that encountered in the initial three. First groundwater was encountered in a silt layer up to 15' thick at a depth of approximately 15'. Twenty five-foot (25') well screens were again installed in the completed wells. As before, water rose to a depth of 10' BG or less in completed wells.

Detectable concentrations of fuel compounds were identified in soil samples collected from each new boring at the 10' depth. All water samples were below laboratory detection limits ("ND"). (SEE data tables for sampling results)

Groundwater sampling and monitoring proceeded on a quarterly schedule more-or-less through August 1994. Wells MW-4 and –5 were placed on a semiannual schedule at that time.

## VII. ADDITIONAL COMMENTS, DATA, ETC. (Continued)

Between July 1991 and October 1994, concentrations of benzene, among others, increased in well MW-2, from an initial concentration of 46 ug/l to a high of 240 ug/l in March 1994. Concentrations of fuel components in wells MW-4 and –5, however, remained fairly constant between ND and trace concentrations. Due to the apparent discontinuous nature of sedimentary beds and local heterogeneity encountered during the initial and subsequent phases of the investigation, further assessment work was ordered to determine the presence of potential geogenic flow pathways that could allow impacted groundwater to skirt the present well network.

Two exploratory borings (BH-1 and –2) were emplaced along the eastern property boundary at the end of January 1996 using Precision Sampling Inc.'s proprietary XD-1 drilling rig. Both water and soil samples were collected. Temporary wells were placed into each open borehole to facilitate water sample collection. Detectable-to-elevated concentrations of fuel compounds were identified in both soil and groundwater samples. As an example, up to 9000 ug/l of TPH-D, 890 ug/l TPH-G, and 17ug/l benzene were identified in water samples collected from BH-1. (SEE data tables for complete sample results)

Based on these recent results, the well monitoring and sampling schedule was further reduced to semi-annual in three wells (MW-1, -2, and –5); two wells (MW-3, -4) were removed entirely from the schedule. In addition, the consultant began to implement a "vacuum-enhanced purging" procedure during each event whereby the volume of formation water removed from each well is substantially increased. This procedure was used in an effort to facilitate, in particular, a reduction of dissolved benzene concentrations in formation water.

Sampling and monitoring continued through June 1998. All wells in the network were sampled and monitored at that time. Historic sampling data demonstrate a general trend of declining or stable concentrations over all in wells Mw-1, -3, and –4. An extended period of elevated benzene concentrations was observed, however, in well MW-2 between April 1992 and December 1995, and of TPH-G concentrations between May 1996 and February 1998. A marked jump in TPH-G concentrations was also observed in well MW-5 from May 1996 through June 1998. These extended "spikes" appear to correspond with the use of "vacuum-enhanced" purging which may have enhanced the introduction of contaminated water from surrounding areas of the formation into the sampled wells.

This case should be closed as it appears to meet the classification of a "Low Risk Groundwater Case", as described in the January 5, 1996 San Francisco Bay Regional Water Quality Control memorandum entitled "*Regional Board Supplemental Instructions to State water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites.*" These criteria, and an explanation of how this site has satisfied each, follows:

**1) The leak has been stopped and ongoing sources, including free product, have been removed or remediated.**

The subject tanks were removed in 1990. Free product that was reported to have been present on groundwater in the tank pit at that time has been effectively removed over time through natural attenuation and "vacuum-enhanced" purging. Some impacted backfill material was also removed subsequent to tank removals.

Leaking Underground Fuel Storage Tank Program

## VII. ADDITIONAL COMMENTS, DATA, ETC. (Continued)

2) **The site has been adequately characterized.**

A 5-well network of wells was installed, monitored, and sampled over the course of several years. Additional borings were advanced along the property line and also sampled. These points have allowed an adequate confirmation of underlying geology, groundwater flow, and contaminant extent.

3) **The dissolved hydrocarbon plume is not migrating.**

The plume appears stable. Overall, hydrocarbon concentrations have attenuated over time.

4) **No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted.**

There are no known municipal or residential water wells or surface water bodies within 750' downgradient of the subject site that would be impacted by shallow groundwater from this site.

5) **The site presents no significant risk to human health.**

A qualitative evaluation of potential human health risk was performed in context with ASTM E1738-95 criteria. Potential exposure pathways were determined. As shallow groundwater is not currently used or expected to be used in the future for drinking water purposes, the ingestion pathway is considered incomplete. As the site is covered in asphaltic concrete, a risk due to inhalation of ambient outdoor air was also considered incomplete. Inhalation of vapors intruding from soil or groundwater to indoor air was considered a potentially complete pathway.

Maximum soil and groundwater samples collected historically from well/boring MW-1, the sample point in direct proximity to the site office facility, were considered. Concentration values for both media were compared to the ASTM *"Tier 1 Risk-Based Screening Level (RBSL) Look-Up Table."* Sample depths and geology were compared to RBSL default values as well to ensure applicability. Following this comparison, it was determined that use of ASTM RBSL values were appropriate and provided a more conservative approach than if site-specific values (e.g., soil type, etc.) had been used. Based on soil and groundwater **benzene** concentrations, an excess cancer risk for commercial/industrial sites of 1E-04 was not exceeded.

6) **The site presents no significant risk to the environment.**

No environmental receptors are known or expected to be proximal to the site.

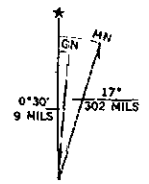

SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET




UTM GRID AND 1980 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

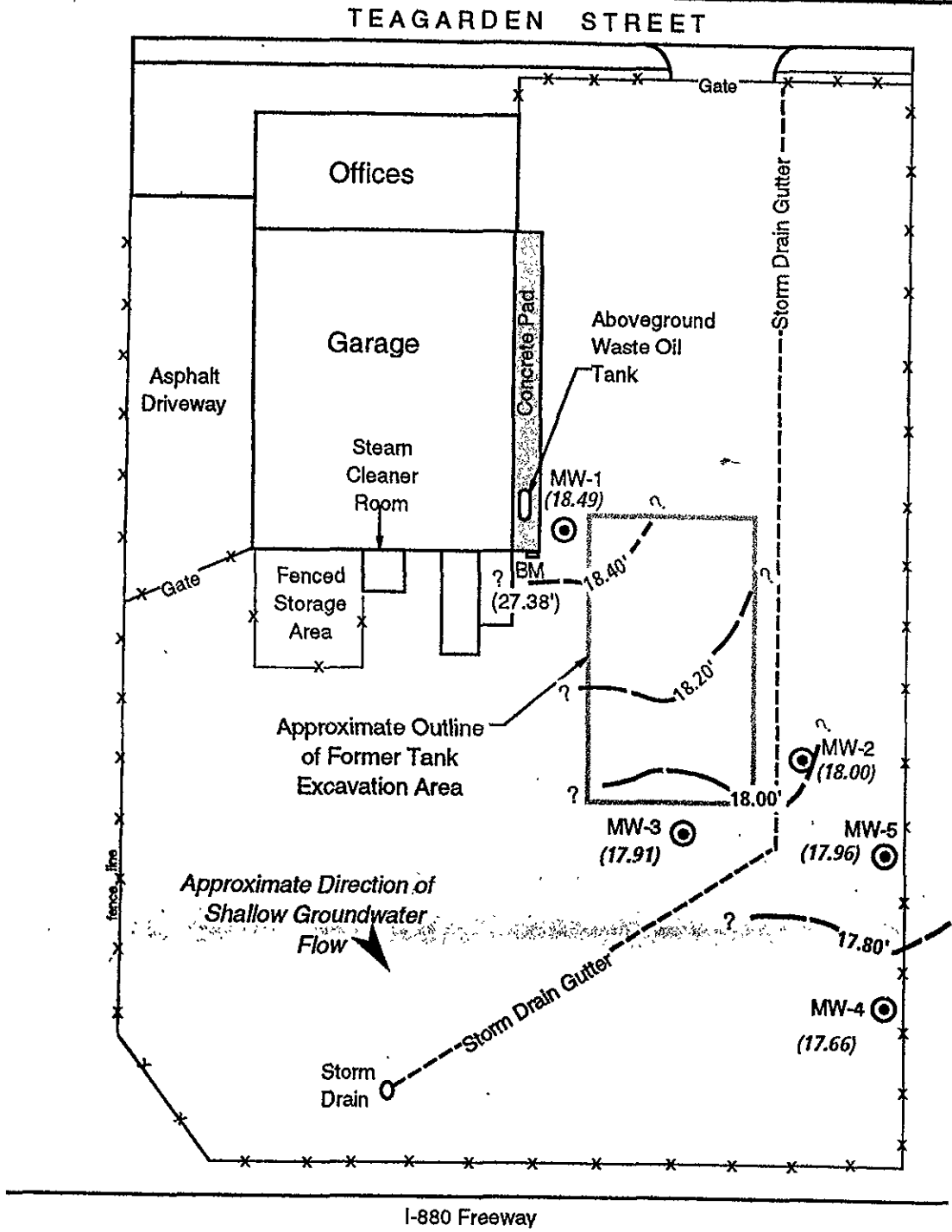
Reference: U.S.G.S. San Leandro, California, 7.5-minute Quadrangle, Photorevised 1980.

GERAGHTY & MILLER, INC.
*Environmental Services*
A Heidemij Company

Project No. RC0024.000

**SITE LOCATION MAP**
Former Penske Truck Leasing Co. Facility
2709 Teagarden Street
San Leandro, California

FIGURE
**1**




EXPLANATION

MW-1 ⊙ Approximate location of groundwater monitor wells

(17.97) Groundwater elevation (feet), measured June 1, 1998

BM Survey Bench Mark (with elevation)

(17.00' / ?) Groundwater elevation contour (feet). Dashed where inferred. Queried where unknown. (contour interval equals 0.20').

N

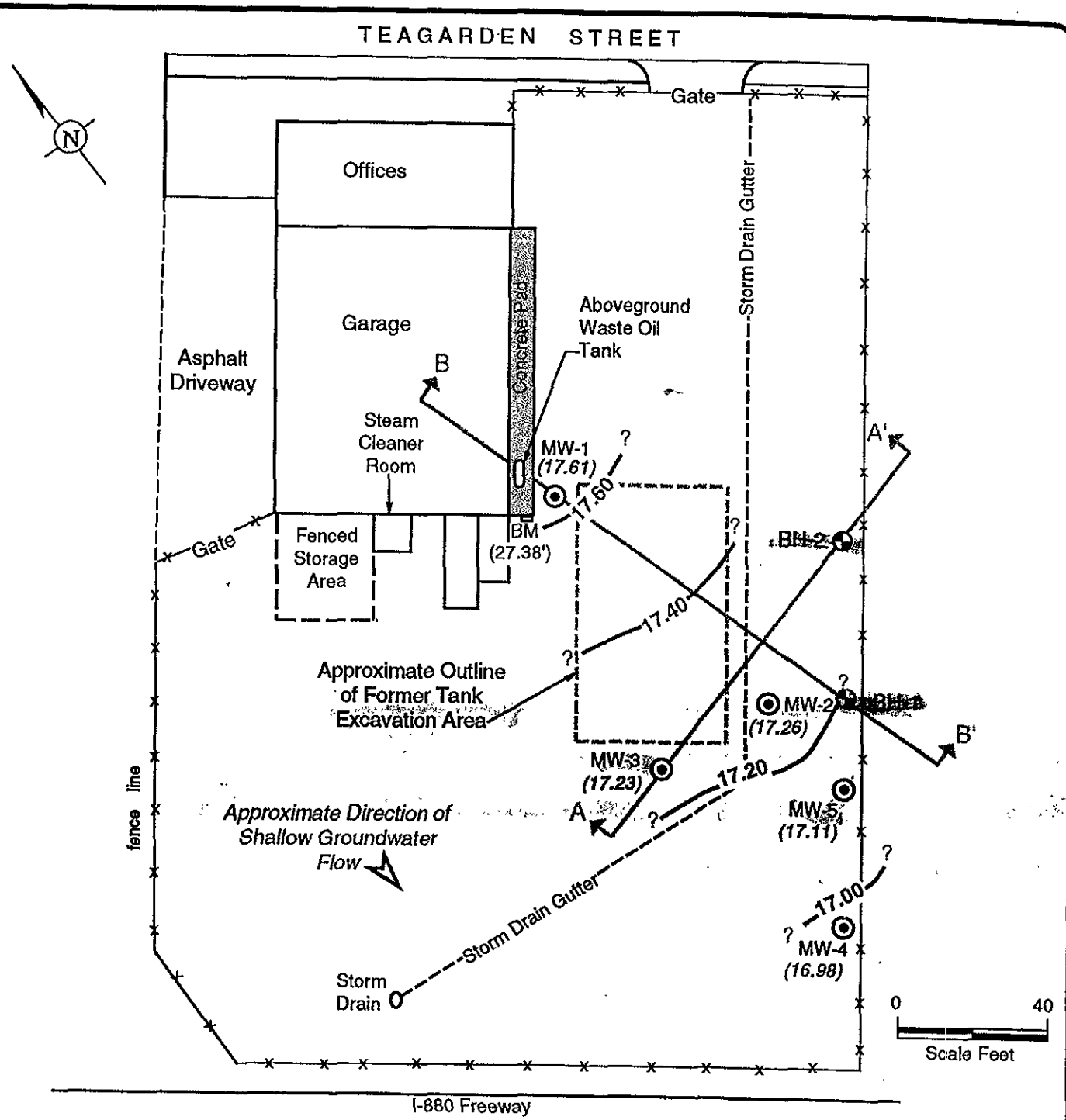
0 40

Scale Feet

ARCADIS GERAGHTY & MILLER

**GROUNDWATER CONTOURS**
**June 1, 1998**
Former Penske Truck Leasing Co.
2709 Teagarden Street
San Leandro, California

RC000024.0003
BASE REVISION 5/7/97
FIGURE
**2**




## EXPLANATION

- Approximate location of soil borings
- MW-1 — Approximate location of groundwater monitor wells
- (17.61) — Groundwater elevation (feet), measured August 25, 1995
- BM — Survey Bench Mark (with elevation)
- 17.00 (?) — Groundwater elevation contour (feet). Dashed where inferred. Queried where uncertain (contour interval equals 0.20'). Based on groundwater elevations measured August 25, 1995.
- A' / A — Line of Cross Section

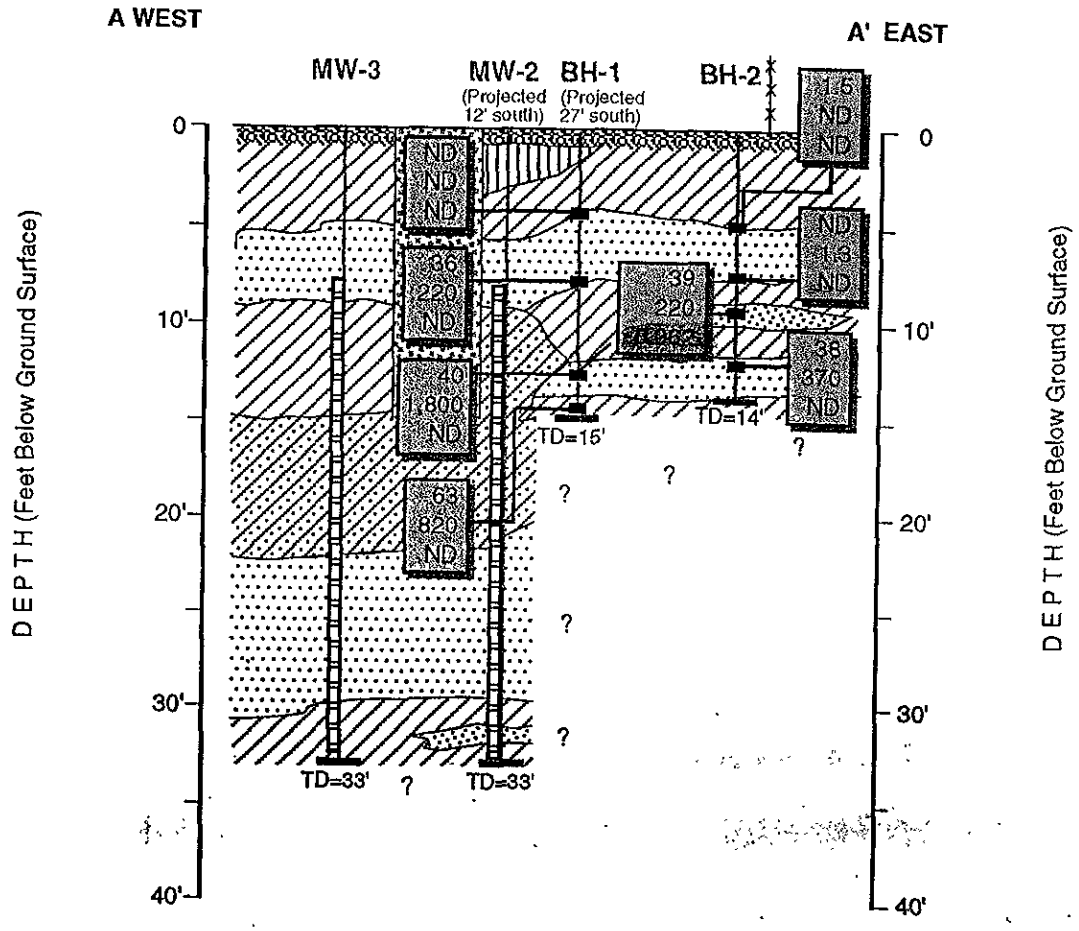
GERAGHTY & MILLER, INC.
*Environmental Services*
A Heidemij Company

Project No. RC0024.000

**APPROXIMATE LOCATION OF SOIL BORINGS**
Former Penske Truck Leasing Co.
2709 Teagarden Street
San Leandro, California

FIGURE
3

ASSESSRP.006
3/25/96



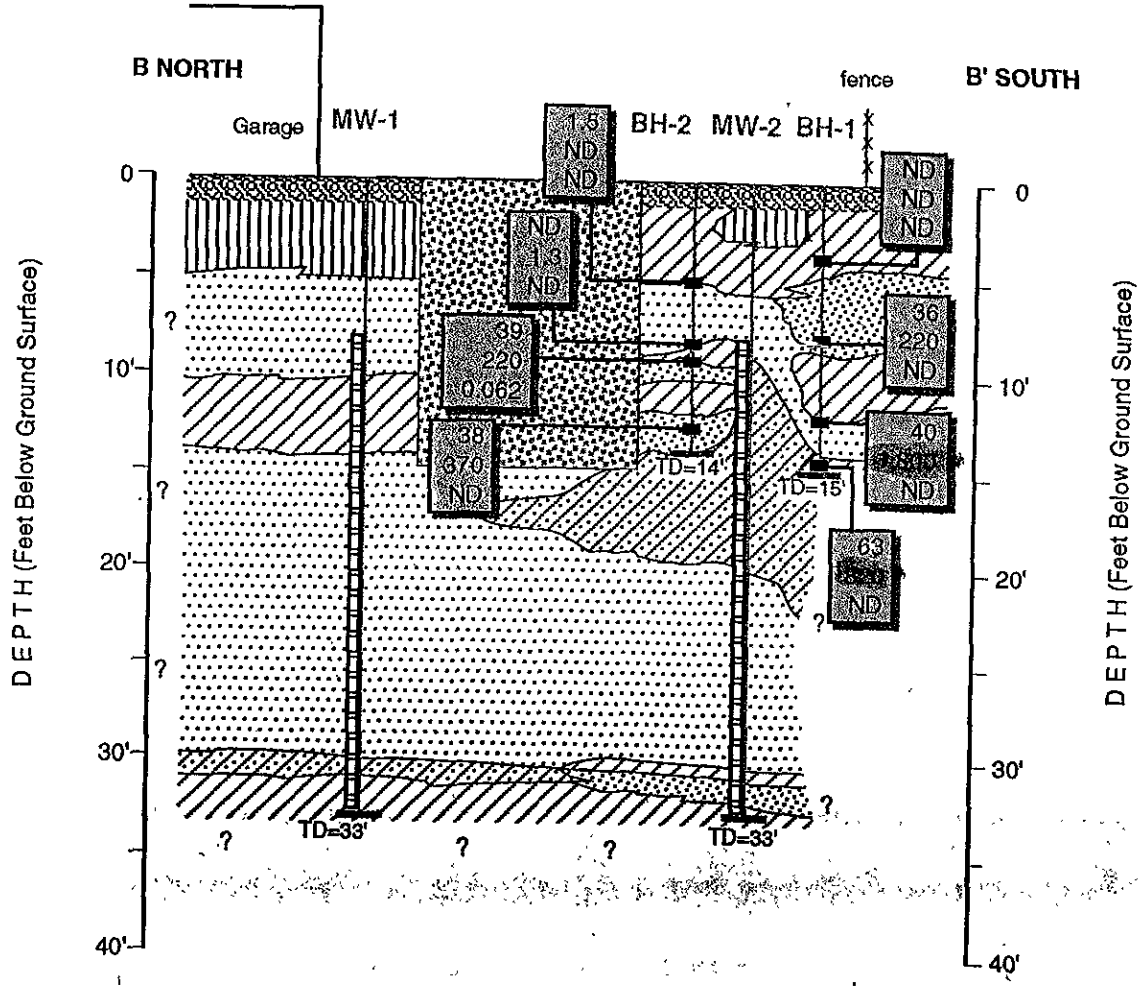

## EXPLANATION

- Clay (CL)
- Silt (ML)
- Sand (SP)
- Sand (SW)
- Sand (SC)
- Former UST EXCAVATION AREA
- Ground surface
- Blank casing
- Screen Interval
- Total Depth Explored
- ND — Not detected-below laboratory detection limits
- 38 — TPH-g
- 370 — TPH-d
- ND — Benzene
- Concentrations in mg/kg
- 0 Horizontal Scale 40
- 0 Vertical Scale 10

GERAGHTY & MILLER, INC.
Environmental Services
A Heidemij Company
Project No. RC0024.006

**CROSS-SECTION A-A'**
Former Penske Truck Leasing Co.
2709 Teagarden Street
San Leandro, California

FIGURE 4
ASSESSRP.006
3/25/96




## EXPLANATION

- Clay (CL)
- Silt (ML)
- Sand (SP)
- Sand (SW)
- Sand (SC)
- Former UST EXCAVATION AREA
- Ground surface
- Blank casing
- Screen Interval
- Total Depth Explored
- ND Not detected-below laboratory detection limits
- 38 TPH-g
- 370 TPH-d
- ND Benzene
- Concentrations in mg/kg
- 0 Horizontal Scale 40
- 0 Vertical Scale 10

GERAGHTY & MILLER, INC.
*Environmental Services*
A Heidemij Company
Project No. RC0024.006

**CROSS-SECTION B-B'**
Former Penske Truck Leasing Co.
2709 Teagarden Street
San Leandro, California

FIGURE 5
ASSESSRP.006
3/25/96

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## Table 1: Summary of Field Sampling Data
Former Penske Truck Leasing Co. Facility
2709 Teagarden Street, San Leandro, California.

| Well | Date | Depth to Water (a) (feet) | Top of Casing Elevation (feet MSL) | Top of Water Elevation (feet MSL) | Measured Depth of Well (a) (feet) | Calculated Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | Stabilized pH | Stabilized Temp. (°F) | Stabilized SC (µS/cm) | Casing Diameter (inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 11-Jul-91 | 11.05 | 27.09 | 16.04 | 32.25 | 55.00 | 60.0 | 7.30 | 66.9 | 928 | 4 |
| | 25-Oct-91 | 12.14 | | 14.95 | 33.00 | 54.20 | 54.5 | 7.68 | 67.0 | 1,020 | |
| | 17-Jan-92 | 11.50 | | 15.59 | 31.70 | 53.56 | 53.5 | 4.91 | 62.6 | 910 | |
| | 16-Apr-92 | 9.80 | | 17.29 | 31.97 | 57.64 | 58.8 | 7.67 | 67.1 | 1,074 | |
| | 20-Jul-92 | 10.62 | | 16.47 | 32.07 | 55.77 | 47.0 | 7.00 | 71.6 | 962 | |
| | 3-Dec-92 | 11.38 | | 15.71 | 31.69 | 52.80 | 53.0 | 7.76 | 64.7 | 752 | |
| | 5-Mar-93 | 8.81 | | 18.28 | 31.79 | 59.75 | 61.0 | 6.70 | 66.0 | 787 | |
| | 25-May-93 | 9.20 | | 17.89 | 31.70 | 58.50 | 60.0 | 6.86 | 66.1 | 1,203 | |
| | 18-Aug-93 | 9.93 | | 17.16 | 31.69 | 56.58 | 57.0 | 11.40(c) | 70.0 | 405 | |
| | 30-Dec-93 | 10.07 | | 17.02 | 31.75 | 56.36 | 56.4 | 7.39 | 68.5 | 750 | |
| | 23-Mar-94 | 8.69 | | 18.45 | 30.98 | 58.08 | 60.0 | 7.18 | 65.3 | 880 | |
| | 21-Jun-94 | 10.04 | | 17.05 | 31.99 | 57.04 | 58.0 | 7.50 | 69.4 | 970 | |
| | 4-Oct-94 | 10.78 | | 16.31 | 31.99 | 55.14 | 55.0 | 7.00 | 65.1 | 1,330 | |
| | 8-Feb-95 | 8.87 | | 18.22 | 31.80 | 59.61 | 60.0 | 5.80 | 63.0 | 1,710 | |
| | 31-May-95 | 8.96 | | 18.13 | 31.64 | 58.97 | 59.0 | (e) | 75.0 | 1,350 | |
| | 25-Aug-95 | 9.48 | | 17.61 | 31.96 | 43.83 (f) | 45.0 | 7.50 | 68.9 | 7,430 | |
| | 4-Dec-95 | 10.00 | | 17.09 | 31.93 | 57.01 | 57.0 | (e) | (e) | (e) | |
| | 14-Feb-96 | 8.78 | | 18.31 | 31.89 | 60.10 | >62 | 7.00 | 65.7 | 2,090 | |
| | 14-May-96 | 8.89 | | 18.20 | NM | 59.80 (g) | >60 | 6 | 72.6 | 1,880 | |
| | 29-Aug-96 | 9.44 | | 17.65 | 31.78 | 58.08 | >59 | 7 | 80.6 | 710 | |
| | 21-Nov-96 | 9.36 | | 17.73 | 31.85 | 58.47 | >59 | 6 | 68.8 | 1,360 | |
| | 20-Feb-97 | 8.78 | | 18.31 | 31.88 | 60.06 | >61 | 6 | 61.5 | 590 | |
| | 29-May-97 | 9.25 | | 17.84 | 31.68 | 58.31 | >59 | 7 | NM | NM | |
| | 19-Sep-97 | 9.83 | | 17.26 | NM | 56.80 (g) | >57 | 7 | 75.9 | 7,500 | |
| | 17-Nov-97 | 9.79 | | 17.30 | 31.79 | 57.20 | >58 | 7.15 | 71.8 | 870 | |
| | 26-Feb-98 | 8.51 | | 18.58 | 31.63 | 60.11 | >60 | 9.07 | 63.6 | 790 | |
| | 1-Jun-98 | 8.60 | | 18.49 | 32.90 | 63.20 | 60.0 | 6.72 | 68.5 | 727 | |

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## Table 1: Summary of Field Sampling Data
Former Penske Truck Leasing Co. Facility
2709 Teagarden Street, San Leandro, California

| Well | Date | Depth to Water (a) (feet) | Top of Casing Elevation (feet MSL) | Top of Water Elevation (feet MSL) | Measured Depth of Well (a) (feet) | Calculated Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | Stabilized pH | Stabilized Temp. (°F) | Stabilized SC (µS/cm) | Casing Diameter (inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 11-Jul-91 | 9.48 | 25.28 | 15.80 | 32.11 | 59.00 | 60.0 | 5.91 | 68.9 | 969 | 4 |
| | 25-Oct-91 | 10.51 | | 14.77 | 33.00 | 58.50 | 59.0 | 7.16 | 69.2 | 1,070 | |
| | 17-Jan-92 | 9.85 | | 15.43 | 31.55 | 57.02 | 57.0 | 5.17 | 66.8 | 870 | |
| | 16-Apr-92 | 8.31 | | 16.97 | 31.63 | 60.64 | 63.0 | 8.18 | 68.6 | 1,135 | |
| | 20-Jul-92 | 9.10 | | 16.18 | 31.64 | 58.60 | 60.0 | 7.50 | 71.6 | 1,197 | |
| | 3-Dec-92 | 9.75 | | 15.49 | 31.35 | 56.08 | 57.0 | 8.22 | 65.0 | 883 | |
| | 5-Mar-93 | 7.53 | | 17.75 | 31.27 | 61.72 | 63.0 | 6.62 | 66.9 | 1,054 | |
| | 25-May-93 | 7.85 | | 17.43 | 31.33 | 61.05 | 62.0 | 7.06 | 71.0 | 1,139 | |
| | 18-Aug-93 | 8.47 | | 16.81 | 31.70 | 60.40 | 60.5 | 8.26 | 71.1 | 1,290 | |
| | 30-Dec-93 | 8.59 | | 16.69 | 31.73 | 60.16 | 46.0(d) | 7.60 | 68.5 | 960 | |
| | 23-Mar-94 | 7.22 | | 18.06 | 30.88 | 61.48 | 62.0 | 7.11 | 67.7 | 1,120 | |
| | 21-Jun-94 | 8.55 | | 16.73 | 31.99 | 60.80 | 61.0 | 8.00 | 78.2 | 1,340 | |
| | 4-Oct-94 | 9.24 | | 16.04 | 32.02 | 59.20 | 33 (d) | 7.00 | 67.7 | 1,710 | |
| | 8-Feb-95 | 7.53 | | 17.75 | 31.72 | 62.89 | 65.0 | 5.80 | 64.0 | 2,100 | |
| | 31-May-95 | 7.70 | | 17.58 | 31.80 | 62.66 | 60 (d) | (e) | 75.0 | 2,100 | |
| | 25-Aug-95 | 8.02 | | 17.26 | 31.96 | 46.68 (f) | 50.0 | 6.00 | 67.6 | 850 | |
| | 4-Dec-95 | 8.50 | | 16.78 | 31.97 | 61.02 | 61.0 | (e) | (e) | (e) | |
| | 14-Feb-96 | 7.45 | | 17.83 | 32.01 | 63.85 | >64 | 7.00 | 64.2 | 1,880 | |
| | 14-May-96 | 7.55 | | 17.73 | NM | 63.60 (g) | >64 | 6.00 | 73.4 | 2,550 | |
| | 29-Aug-96 | 7.64 | | 17.64 | 31.88 | 63.02 | >63 | 7 | 87.4 | 850 | |
| | 21-Nov-96 | 7.96 | | 17.32 | 31.95 | 62.37 | >63 | 6 | 65.7 | 1,260 | |
| | 20-Feb-97 | 7.61 | | 17.67 | 32.01 | 63.44 | >64 | 6 | 63.4 | 770 | |
| | 29-May-97 | 7.86 | | 17.42 | 32.02 | 62.81 | >63 | 7 | 73.2 | 5,520 | |
| | 19-Sep-97 | 8.35 | | 16.93 | NM | 61.56 (g) | >62 | 7 | 78.0 | 11,320 | |
| | 17-Nov-97 | 8.25 | | 17.03 | 31.92 | 61.54 | >62 | 7.18 | 70.4 | 1,020 | |
| | 26-Feb-98 | 6.77 | | 18.51 | 31.89 | 65.31 | >65 | 8.25 | 65.3 | 1,060 | |
| | 1-Jun-98 | 7.28 | | 18.00 | 32.40 | 65.20 | 65.0 | 6.59 | 66.6 | 857 | |

ARCADIS GERAGHTY & MILLER

## Table 1: Summary of Field Sampling Data
Former Penske Truck Leasing Co. Facility
2709 Teagarden Street, San Leandro, California.

| Well | Date | Depth to Water (a) (feet) | Top of Casing Elevation (feet MSL) | Top of Water Elevation (feet MSL) | Measured Depth of Well (a) (feet) | Calculated Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | Stabilized pH | Stabilized Temp. (°F) | Stabilized SC (µS/cm) | Casing Diameter (inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 11-Jul-91 | 9.55 | 25.41 | 15.86 | 32.90 | 61.00 | 62.0 | 6.03 | 68.6 | 816 | 4 |
| | 25-Oct-91 | 10.61 | | 14.80 | 33.00 | 58.20 | 58.5 | 7.86 | 67.3 | 950 | |
| | 17-Jan-92 | 9.90 | | 15.51 | 32.20 | 57.33 | 57.5 | 5.24 | 67.9 | 1,060 | |
| | 16-Apr-92 | 8.47 | | 16.94 | 32.55 | 62.60 | 63.8 | 7.65 | 68.7 | 763 | |
| | 20-Jul-92 | 9.18 | | 16.23 | 32.47 | 60.00 | 61.0 | 7.50 | 73.0 | 909 | |
| | 3-Dec-92 | 9.99 | | 15.42 | 32.10 | 57.48 | 58.0 | 8.18 | 65.7 | 739 | |
| | 5-Mar-93 | 7.64 | | 17.77 | 32.22 | 63.91 | 63.9 | 7.10 | 67.7 | 767 | |
| | 25-May-93 | 8.23 | | 17.18 | 32.14 | 62.17 | 64.0 | 7.60 | 69.7 | 738 | |
| | 18-Aug-93 | 8.77 | | 16.64 | 31.83 | 59.96 | 60.0 | 7.39 | 70.6 | 1,060 | |
| | 30-Dec-93 | 8.73 | | 16.68 | 32.20 | 61.00 | 61.0 | 7.85 | 68.9 | 690 | |
| | 23-Mar-94 | 7.39 | | 18.02 | 31.30 | 62.16 | 63.0 | 7.49 | 68.7 | 860 | |
| | 21-Jun-94 | 8.77 | | 16.64 | 32.50 | 61.68 | 62.0 | 7.50 | 69.3 | 860 | |
| | 4-Oct-94 | 9.31 | | 16.10 | 32.45 | 60.16 | 60.0 | 7.00 | 65.9 | 1,290 | |
| | 8-Feb-95 | 7.75 | | 17.66 | 32.19 | 63.54 | 65.0 | 5.80 | 61.0 | 1,590 | |
| | 31-May-95 | 7.75 | | 17.66 | 32.20 | 63.57 | 60 (d) | (e) | 75.0 | 1,500 | |
| | 25-Aug-95 | 8.18 | | 17.23 | 32.28 | 46.99 (f) | 50.0 | 7.00 | 67.3 | 1,250 | |
| | 4-Dec-95 | 8.65 | | 16.76 | 32.20 | 61.23 | 61.0 | (e) | (e) | (e) | |
| | 14-Feb-96 | 7.62 | | 17.79 | 32.31 | 64.16 | >65 | 7.00 | 67.7 | 1,860 | |
| | 14-May-96 | 7.67 | | 17.74 | NM | 64.06 | >65 | 6 | 73.3 | 2,230 | |
| | 29-Aug-96 | 8.17 | | 17.24 | 32.13 | 62.29 | >63 | 6 | 78.8 | 650 | |
| | 21-Nov-96 | 7.98 | | 17.43 | 32.12 | 62.76 | >63 | 6 | 68.1 | 1,360 | |
| | 20-Feb-97 | 7.63 | | 17.78 | 32.21 | 63.90 | >64 | 6 | 67.3 | 860 | |
| | 29-May-97 | 8.00 | | 17.41 | 31.98 | 62.35 | >63 | 7 | 74.2 | 6,960 | |
| | 19-Sep-97 | 8.49 | | 16.92 | NM | 61.07 (g) | >62 | 7 | 78.0 | 11,400 | |
| | 17-Nov-97 | 8.32 | | 17.09 | 31.87 | 61.23 | >62 | 6.92 | 70.6 | 900 | |
| | 26-Feb-98 | 7.04 | | 18.37 | 31.68 | 64.06 | >65 | 8.73 | 63.5 | 910 | |
| | 1-Jun-98 | 7.50 | | 17.91 | 32.20 | 72.00 | 72.0 | 7.12 | 65.8 | 773 | |

ARCADIS GERAGHTY & MILLER

## Table 1: Summary of Field Sampling Data
Former Penske Truck Leasing Co. Facility
2709 Teagarden Street, San Leandro, California.

| Well | Date | Depth to Water (a) (feet) | Top of Casing Elevation (feet MSL) | Top of Water Elevation (feet MSL) | Measured Depth of Well (a) (feet) | Calculated Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | Stabilized pH | Stabilized Temp. (°F) | Stabilized SC (µS/cm) | Casing Diameter (inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 16-Apr-92 | 8.24 | 24.99 | 16.75 | 32.92 | 64.16 | 64.3 | 8.36 | 68.7 | 903 | 4 |
| | 20-Jul-92 | 8.97 | | 16.02 | 32.95 | 62.34 | 63.0 | 6.80 | 72.4 | 1,043 | |
| | 3-Dec-92 | 9.67 | | 15.32 | 32.82 | 60.12 | 61.0 | 7.82 | 65.5 | 825 | |
| | 5-Mar-93 | 7.46 | | 17.53 | 32.81 | 65.91 | 66.0 | 7.08 | 70.5 | 876 | |
| | 30-Mar-93 | 7.65 | | 17.34 | 32.94 | 65.60 | 66.0 | 7.12 | 66.2 | 875 | |
| | 25-May-93 | 7.87 | | 17.12 | 32.90 | 65.08 | 66.0 | 7.65 | 71.4 | 924 | |
| | 18-Aug-93 | 8.41 | | 16.58 | 32.78 | 63.36 | 63.5 | 9.07 | 70.0 | 1,910 | |
| | 30-Dec-93 | 8.53 | | 16.46 | 32.66 | 62.72 | 63.0 | 7.50 | 68.3 | 710 | |
| | 23-Mar-94 | 7.17 | | 17.82 | 31.85 | 64.16 | 64.0 | 7.52 | 66.8 | 810 | |
| | 21-Jun-94 | 8.50 | | 16.49 | 32.87 | 63.36 | 64.0 | 8.00 | 71.8 | 1,020 | |
| | 4-Oct-94 | 9.11 | | 15.88 | 32.87 | 61.76 | 53 (d) | 7.00 | 66.8 | 1,330 | |
| | 8-Feb-95 | 7.52 | | 17.47 | 32.65 | NA | NA | NA | NA | NA | |
| | 31-May-95 | 7.57 | | 17.09 | 32.65 | 65.21 | 50 (d) | (e) | 73.0 | 1,420 | |
| | 25-Aug-95 | 8.01 | | 16.98 | 32.87 | NA | NA | NA | NA | NA | |
| | 4-Dec-95 | 8.35 | | 16.64 | 32.81 | 63.59 | 64.0 | (e) | (e) | (e) | |
| | 14-Feb-96 | 7.45 | | 17.54 | 32.82 | NA | NA | NA | NA | NA | |
| | 14-May-96 | 7.53 | | 17.46 | NM | 65.75 (g) | >66 | 6 | 77.5 | 2,450 | |
| | 29-Aug-96 | 7.81 | | 17.18 | 32.80 | NA | NA | NA | NA | NA | |
| | 21-Nov-96 | 7.85 | | 17.14 | 32.77 | 64.79 | >65 | 6.5 | 68.6 | 1,640 | |
| | 20-Feb-97 | 7.35 | | 17.64 | 32.87 | NA | NA | NA | NA | NA | |
| | 29-May-97 | 7.83 | | 17.16 | 32.95 | 65.31 | >66 | 7.0 | 73.6 | 5,570 | |
| | 19-Sep-97 | 8.29 | | 16.70 | NM | NA | NA | NA | NA | NA | |
| | 17-Nov-97 | 8.17 | | 16.82 | 32.800 | 64.04 | >65 | 7.42 | 71.0 | 1,090 | |
| | 26-Feb-98 | 7.02 | | 17.97 | 32.75 | NA | NA | NA | NA | NA | |
| | 1-Jun-98 | 7.33 | | 17.66 | 32.80 | 66.40 | 66.0 | 7.29 | 65.3 | 721 | |

ARCADIS GERAGHTY & MILLER

## Table 1: Summary of Field Sampling Data
Former Penske Truck Leasing Co. Facility
2709 Teagarden Street, San Leandro, California.

| Well | Date | Depth to Water (a) (feet) | Top of Casing Elevation (feet MSL) | Top of Water Elevation (feet MSL) | Measured Depth of Well (a) (feet) | Calculated Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | Stabilized pH | Stabilized Temp. (°F) | Stabilized SC (µS/cm) | Casing Diameter (inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 16-Apr-92 | 8.66 | 25.54 | 16.88 | 32.99 | 63.24 | 64.3 | 8.26 | 68.2 | 703 | 4 |
| | 20-Jul-92 | 9.45 | | 16.09 | 32.96 | 61.12 | 62.0 | 6.50 | 71.6 | 885 | |
| | 3-Dec-92 | 10.08 | | 15.46 | 32.82 | 59.12 | 60.0 | 7.88 | 64.6 | 677 | |
| | 5-Mar-93 | 7.88 | | 17.66 | 32.88 | 65.00 | 67.0 | 7.14 | 70.2 | 745 | |
| | 30-Mar-93 | 7.98 | | 17.56 | 32.94 | 65.00 | 65.0 | 6.98 | 65.7 | 714 | |
| | 25-May-93 | 8.21 | | 17.33 | 32.90 | 64.19 | 66.0 | 7.37 | 69.7 | 975 | |
| | 18-Aug-93 | 8.85 | | 16.69 | 32.85 | 62.40 | 62.5 | 8.54 | 68.8 | 2,130 | |
| | 30-Dec-93 | 8.96 | | 16.58 | 32.68 | 61.64 | 62.0 | 7.62 | 68.3 | 710 | |
| | 23-Mar-94 | 7.54 | | 18.00 | 31.83 | 63.12 | 63.0 | 7.35 | 63.8 | 760 | |
| | 21-Jun-94 | 8.92 | | 16.62 | 32.85 | 62.00 | 64.0 | 7.50 | 73.9 | 960 | |
| | 4-Oct-94 | 9.55 | | 15.99 | 32.89 | 60.63 | 60.0 | 7.00 | 65.9 | 1,270 | |
| | 8-Feb-95 | 7.86 | | 17.68 | 32.70 | NA | NA | NA | NA | NA | |
| | 31-May-95 | 7.98 | | 17.56 | 32.70 | 64.27 | 40 (d) | (e) | 74.50 | 1,670 | |
| | 25-Aug-95 | 8.43 | | 17.11 | 32.89 | NA | NA | NA | NA | NA | |
| | 4-Dec-95 | 8.88 | | 16.66 | 32.85 | 62.32 | 62.0 | (e) | (e) | (e) | |
| | 14-Feb-96 | 7.72 | | 17.82 | 32.82 | NA | NA | NA | NA | NA | |
| | 14-May-96 | 7.97 | | 17.57 | NM | 64.61 (g) | >65 | 6 | 73.4 | 2,850 | |
| | 29-Aug-96 | 8.43 | | 17.11 | 32.81 | 63.38 | >64 | 7 | 86.4 | 920 | |
| | 21-Nov-96 | 8.30 | | 17.24 | 32.80 | 63.70 | >64 | 6 | 66.9 | 1,720 | |
| | 20-Feb-97 | 7.81 | | 17.73 | 32.88 | 65.18 | >66 | 6.5 | 73.8 | 920 | |
| | 29-May-97 | 8.24 | | 17.30 | 32.93 | 64.19 | >65 | 7.5 | 72.9 | 5,460 | |
| | 19-Sep-97 | 8.73 | | 16.81 | NM | 64.19 (g) | >65 | 6.7 | 72.3 | 9,660 | |
| | 17-Nov-97 | 8.61 | | 16.93 | 32.95 | 63.28 | >64 | 7.08 | 73.0 | 1,100 | |
| | 26-Feb-98 | 7.12 | | 18.42 | 32.79 | 66.74 | >66 | 8.72 | 63.8 | 1,080 | |
| | 1-Jun-98 | 7.58 | | 17.96 | 32.80 | 65.00 | 65.0 | 6.68 | 69.1 | 936 | |

Notes appear on the following page.

ARCADIS GERAGHTY & MILLER

## Table 1: Summary of Field Sampling Data
Former Penske Truck Leasing Co. Facility
2709 Teagarden Street, San Leandro, California.

| Well | Date | Depth to Water (a) (feet) | Top of Casing Elevation (feet MSL) | Top of Water Elevation (feet MSL) | Measured Depth of Well (a) (feet) | Calculated Purge Volume (b) (gallons) | Actual Purge Volume (gallons) | Stabilized pH | Stabilized Temp. (°F) | Stabilized SC (µS/cm) | Casing Diameter (inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|

(a) Measured from top of PVC casing.
(b) Based on four casing volumes.
(c) Possible faulty instrument reading.
(d) Well went dry during purging.
(e) No measurement - meter malfunction.
(f) Based on three casing volumes.
(g) Estimated based on last measurement in previous quarter.

SC Specific Conductance
MSL Mean Sea Level
µS/cm Microsiemens/centimeter
NA Not Measured - Well not purged or sampled this quarter.
NM Not Measured - Information not measured during the sampling event.

ARCADIS GERAGHTY&MILLER

## Table 2: Groundwater Analytical Results

Former Penske Truck Leasing Co. Facility,
2709 Teagarden Street, San Leandro, California.

| Well | Date | | TPH Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethyl-benzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 11-Jul-91 | | 66 | 470 | 0.4 | ND(<0.3) | ND(<0.3) | 0.5 | |
| | 25-Oct-91 | | ND (<50) | ND (<50) | 0.7 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 17-Jan-92 | | 130 | 67 | 0.5 | ND(<0.3) | ND(<0.3) | 0.8 | |
| | 16-Apr-92 | | 100 | 60 | 0.7 | ND(<0.3) | ND(<0.3) | 0.5 | |
| | 20-Jul-92 | | 120 | 81 | ND(<0.3) | ND(<0.3) | ND(<0.3) | 0.4 | |
| | 3-Dec-92 | | 140 | 110 | 0.7 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 5-Mar-93 | | 180 | 92 | 0.7 | ND(<0.3) | ND(<0.3) | ND(<0.9) | |
| | 25-May-93 | | 87 | 100 | 0.5 | 0.3 | ND(<0.3) | 1. | |
| | 18-Aug-93 | | 130 | 180 | 0.5 | ND(<0.3) | ND(<0.3) | ND(<0.9) | |
| | 30-Dec-93 | | 72 | ND(<50) | 0.6 | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 23-Mar-94 | | 130 | ND(<50) | 1.0 | 0.6 | ND(<0.5) | ND(<0.5) | |
| | 21-Jun-94 | | 85 | ND(<50) | 1.1 | 1.2 | ND(<0.5) | 2.4 | |
| | 4-Oct-94 | | 130 | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 8-Feb-95 | | 51 | ND(<50) | 0.9 | ND(<0.5) | 1.8 | ND(<0.5) | |
| | 31-May-95 | | 83 | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 25-Aug-95 | | 110 | 260 | ND(<0.5) | ND(<0.5) | ND(<0.5) | 1.2 | |
| | 6-Dec-95 | | 150 | 220 | 0.60 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 14-Feb-96 | | ND(<50) | 180 | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 14-May-96 | | ND(<50) | 260 | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 29-Aug-96 | | 100 (e) | 180 | 0.51 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 21-Nov-96 | | ND(<50) | 180 | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 20-Feb-97 | | ND(<50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 29-May-97 | | ND(<50) | 190 | 0.57 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 19-Sep-97 | | 90 | 180 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | 6 |
| | 17-Nov-97 | | 110 (i) | 140 | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) |
| | 26-Feb-98 | (k) | 87 | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) |
| | 26-Feb-98 | (l) | 290 | ND(<50) | 0.6 | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) |
| | **1-Jun-98** | | **ND(<50)** | **70** | **ND(<0.5)** | **ND(<0.5)** | **ND(<0.5)** | **ND(<2)** | **ND(<5)** |

ARCADIS GERAGHTY & MILLER

## Table 2: Groundwater Analytical Results

Former Penske Truck Leasing Co. Facility,
2709 Teagarden Street, San Leandro, California.

| Well | Date | | TPH Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethyl-benzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 11-Jul-91 | | 330 | 74 | 46 | 1.8 | 4.2 | 3.6 | |
| | 25-Oct-91 | | ND(<50) | ND(<50) | 11 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 17-Jan-92 | | 400 | 53 | 2.8 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 16-Apr-92 | | 300 | 170 (c) | 120 | 0.6 | 6.3 | 1.0 | |
| | 20-Jul-92 | | 670 | 450 | 140 | 0.4 | 1.2 | 0.8 | |
| | 3-Dec-92 | | 480 | 1,100 | 100 | ND(<0.3) | 0.9 | 0.7 | |
| | 5-Mar-93 | | 470 | 380 | 69 | 0.5 | 3.2 | ND(<0.9) | |
| | 25-May-93 | | 720 | 2,500 | 110 | 1.0 | 5.4 | 2.6 | |
| | 18-Aug-93 | | 180 | 350 | 1.8 | ND(<0.3) | ND(<0.3) | ND(<0.9) | |
| | 30-Dec-93 | | 700 | 1,500 | 180 | 0.5 | 1.3 | 2.0 | |
| | 23-Mar-94 | | 950 | 790 | 240 | ND(<3) | 3.7 | ND(<3) | |
| | 21-Jun-94 | | 550 | 1,000 | 170 | 1.9 | 1.6 | 2.0 | |
| | 4-Oct-94 | | 780 | 530 | 230 | 0.7 | 0.9 | ND(<0.5) | |
| | 8-Feb-95 | | 540 | 560 | 94 | 0.8 | 3.2 | 1.2 | |
| | 31-May-95 | | 710 | 1,100 | 130 | 1.4 | 2.1 | ND(<0.5) | |
| | 25-Aug-95 | | 600 | 900 | 120 | ND (<0.5) | 1.5 | 0.6 | |
| | 6-Dec-95 | | 580 | 1,200 | 100 | ND (<0.50) | ND (<0.50) | 1.3 | |
| | 14-Feb-96 | | 700 | 2,200 | 59 | ND(<0.50) | 0.96 | ND(<0.50) | |
| | 14-May-96 | | 1,100 (e) | 2,000 | 88 | ND(<1) | 2.4 | 2.4 | |
| | 29-Aug-96 | | 1,300 (e) | 700 | 73 | ND(<2) | ND(<2) | ND(<2) | |
| | 21-Nov-96 | | 940 (e) | 1,500 | 47 | ND(<0.50) | 0.92 | ND(<0.50) | |
| | 20-Feb-97 | | 1,000 (e) | 2,000 (h) | 46 | 1.6 | 1.8 | ND(<1.0) | |
| | 29-May-97 | | 1,200 | 1,800 (h) | 45 | ND(<2.5) | ND(<2.5) | ND(<2.5) | |
| | 19-Sep-97 | | 1,300 | 1,100 | 37 | ND(<0.5) | 1.4 | ND(<2) | ND(<5) |
| | 17-Nov-97 | | 2,100 (j) | 1,000 | 51 (j) | ND(<3) (j) | ND(<3) (j) | ND(<10) (j) | ND(<30) (j) |
| | 26-Feb-98 | (k) | 960 | 1,900 | 2.1 | ND(<0.5) | ND(<0.5) | ND(<2) | 5 |
| | 26-Feb-98 | (l) | 890 | 780 | 14 | 1.1 | ND(<0.5) | ND(<2) | 5 |
| | **1-Jun-98** | | **1,300** | **540** | **19** | **0.9** | **1.5** | **ND(<2)** | **ND(<5)** |

ARCADIS GERAGHTY&MILLER

**Table 2: Groundwater Analytical Results**
Former Penske Truck Leasing Co. Facility,
2709 Teagarden Street, San Leandro, California.

| Well | Date | | TPH Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethyl-benzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 11-Jul-91 | | 190 | 92 | 2.6 | ND(<0.3) | ND(<0.3) | 0.6 | |
| | 25-Oct-91 | | 70 (c) | ND (<50) | 1.8 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 17-Jan-92 | | 320 | 360 | 65 | ND(<0.3) | 0.6 | 0.4 | |
| | 16-Apr-92 | | 230 | 60 | 2.3 | ND(<0.3) | ND(<0.3) | 0.6 | |
| | 20-Jul-92 | | 250 | 170 | 1.0 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 3-Dec-92 | | 210 | 160 | 1.3 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 5-Mar-93 | | 410 | ND (<50) | 1.3 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 25-May-93 | | 180 | 140 | 1.5 | 0.3 | ND(<0.3) | ND(<0.9) | |
| | 18-Aug-93 | | 240 | 630 | 97 | 0.3 | 0.9 | ND(<0.9) | |
| | 30-Dec-93 | | 110 | ND(<50) | 0.9 | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 23-Mar-94 | | 280 | ND(<50) | 1.4 | 0.9 | ND(<0.5) | ND(<0.5) | |
| | 21-Jun-94 | | 220 | ND(<50) | 1.5 | 1.0 | ND(<0.5) | 0.7 | |
| | 4-Oct-94 | | 330 | ND(<50) | 0.9 | 0.5 | ND(<0.5) | ND(<0.5) | |
| | 8-Feb-95 | | 90 | ND(<50) | 1.3 | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 31-May-95 | | 240 | ND(<50) | 2.4 | 0.7 | ND(<0.5) | ND(<0.5) | |
| | 25-Aug-95 | | 240 | 190 | 1.1 | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 6-Dec-95 | | 280 | 78 | 1.1 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 14-Feb-96 | | 100 | 320 | 1.0 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 14-May-96 | | 150 (f) | 940 | 1.6 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 29-Aug-96 | | 330 (e) | 960 | 1.4 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 21-Nov-96 | | 250 (e) | 390 | 1.5 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 20-Feb-97 | | 300 (e) | 2,300 | 1.4 | 0.67 | ND(<0.50) | ND(<0.50) | |
| | 29-May-97 | | 400 (e) | 3,100 | 1.3 | 0.51 | ND(<0.50) | ND(<0.50) | |
| | 19-Sep-97 | | 250 | 240 | 1.3 | 0.6 | 0.5 | ND(<2) | ND(<5) |
| | 17-Nov-97 | | 310 (i) | 520 | 1.1 | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) |
| | 26-Feb-98 | (k) | 140 | 180 | 1.6 | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) |
| | 26-Feb-98 | (l) | 280 | ND(<50) | 1.2 | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) |
| | 1-Jun-98 | | 150 | 300 | 2.1 | ND(<0.5) | ND(<0.5) | ND(<2) | 7 |

ARCADIS GERAGHTY & MILLER

**Table 2: Groundwater Analytical Results**
Former Penske Truck Leasing Co. Facility,
2709 Teagarden Street, San Leandro, California.

| Well | Date | TPH Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethyl-benzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) |
|---|---|---|---|---|---|---|---|---|
| MW-4 | 16-Apr-92 | ND (<50) | ND (<1000)(d) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 20-Jul-92 | ND (<50) | ND (<50) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 3-Dec-92 | ND (<50) | ND (<50) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 5-Mar-93 | 57 | ND (<50) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 30-Mar-93 | ND (<50) | ND (<50) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 25-May-93 | ND (<50) | ND (<50) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.9) | |
| | 18-Aug-93 | ND (<50) | ND (<50) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.9) | |
| | 30-Dec-93 | ND (<50) | ND (<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 23-Mar-94 | ND (<50) | ND (<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 21-Jun-94 | ND (<50) | ND (<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 4-Oct-94 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 8-Feb-95 | NA | NA | NA | NA | NA | NA | |
| | 31-May-95 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 25-Aug-95 | NA | NA | NA | NA | NA | NA | |
| | 6-Dec-95 | ND(<50) | ND(<50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | 0.58 | |
| | 14-Feb-96 | NA | NA | NA | NA | NA | NA | |
| | 14-May-96 | ND(<50) | ND(<50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 29-Aug-96 | NA | NA | NA | NA | NA | NA | |
| | 21-Nov-96 | ND(<50) | ND(<50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 20-Feb-97 | NA | NA | NA | NA | NA | NA | |
| | 29-May-97 | ND(<50) | ND(<50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 19-Sep-97 | NA | NA | NA | NA | NA | NA | NA |
| | 17-Nov-97 | ND(<50) (i) | ND(<50) | 0.6 | ND(<0.50) | ND(<0.50) | ND(<2) | ND(<5) |
| | 26-Feb-98 | NA | NA | NA | NA | NA | NA | NA |
| | 1-Jun-98 | ND(<50) | ND(<50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<0.50) | ND(<5) |

ARCADIS GERAGHTY & MILLER

## Table 2: Groundwater Analytical Results
Former Penske Truck Leasing Co. Facility,
2709 Teagarden Street, San Leandro, California.

| Well | Date | TPH Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethyl-benzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) |
|---|---|---|---|---|---|---|---|---|
| MW-5 | 16-Apr-92 | ND (<50) | ND (<50) | 0.7 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 20-Jul-92 | ND (<50) | ND (<50) | 0.4 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 3-Dec-92 | ND (<50) | 50 | 0.5 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 5-Mar-93 | 57 | ND (<50) | 2.1 | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 30-Mar-93 | ND (<50) | ND (<50) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.3) | |
| | 25-May-93 | ND (<50) | ND (<50) | ND(<0.3) | ND(<0.3) | ND(<0.3) | ND(<0.9) | |
| | 18-Aug-93 | ND (<50) | ND (<50) | 0.5 | ND(<0.3) | ND(<0.3) | ND(<0.9) | |
| | 30-Dec-93 | ND (<50) | ND (<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 23-Mar-94 | ND (<50) | ND (<50) | 1.1 | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 21-Jun-94 | ND (<50) | ND (<50) | 0.8 | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 4-Oct-94 | ND(<50) | ND(<50) | ND(<0.5) | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 8-Feb-95 | NA | NA | NA | NA | NA | NA | |
| | 31-May-95 | ND(<50) | ND(<50) | 1.3 | ND(<0.5) | ND(<0.5) | ND(<0.5) | |
| | 25-Aug-95 | NA | NA | NA | NA | NA | NA | |
| | 6-Dec-95 | ND(<50) | 130 | 0.59 | ND(<0.50) | ND(<0.50) | ND(<0.50) | |
| | 14-Feb-96 | NA | NA | NA | NA | NA | NA | |
| | 14-May-96 | 1,400 (e) | 7,000 | 65 | 100 | 21 | 98 | |
| | 29-Aug-96 | 1,100 (e) | 7,000 | 48 | ND(<2.5) | ND(<2.5) | ND(<2.5) | |
| | 21-Nov-96 | 29,000 (g) | 6,200 | ND(<100) | ND(<100) | ND(<100) | ND(<100) | |
| | 20-Feb-97 | 1,600 (e) | 16,000 | 32 | ND(<5.0) | ND(<5.0) | ND(<5.0) | |
| | 29-May-97 | 1,100 (e) | 6,200 | 29 | ND(5.0) | ND(5.0) | ND(5.0) | |
| | 19-Sep-97 | 2,300 | 6,500 | 21 | ND(<0.5) | 1 | ND(<2) | ND(<5) |
| | 17-Nov-97 | 2,400 (j) | 1,000 | 22 (j) | 4 (j) | ND(<3) (j) | ND(<10) (j) | ND(<30) (j) |
| | 26-Feb-98 (k) | 890 | 2,400 | 1.6 | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) |
| | 26-Feb-98 (l) | 520 | 1,000 | 4.5 | ND(<0.5) | ND(<0.5) | ND(<2) | ND(<5) |
| | **1-Jun-98** | **1,100** | **600** | **9.5** | **ND(<0.5)** | **0.8** | **ND(<2)** | **ND(<5)** |

Notes appear on the following page.

ARCADIS GERAGHTY & MILLER

## Table 2: Groundwater Analytical Results
Former Penske Truck Leasing Co. Facility,
2709 Teagarden Street, San Leandro, California.

| Well | Date | TPH Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethyl-benzene (b) (µg/L) | Xylenes (b) (µg/L) | MTBE (b) (µg/L) |
|---|---|---|---|---|---|---|---|---|

(a) Analyzed by USEPA Method 8015, modified.
(b) Analyzed by USEPA Method 8020.
(c) Gasoline concentration reported. A nonstandard gasoline pattern was observed in the chromatogram.
(d) Higher than normal detection limit - 1 liter bottle broken during transit, extra 40-mL vial used for analysis.
(e) Laboratory reports gasoline and unidentified hydrocarbons >C8.
(f) Laboratory reports gasoline and unidentified hydrocarbons <C7 and >C8.
(g) Laboratory reports unidentified hydrocarbons >C8.
(h) Laboratory reports diesel and unidentified hydrocarbons <C15.
(i) Laboratory reports non-target compounds included in gasoline result.
(j) Laboratory reports reporting limits for gas/BTEX elevated due to high levels of target compounds. Sample run at dilution.
(k) Sample collected prior to purging.
(l) Sample collected after purging.

( ) Reported detection limit.
ND Not Detected.
NA Not Analyzed - Well not sampled during this quarter.
NS Not sampled.

Analysis by Superior Precision Analytical, Inc., San Francisco and Martinez, California.
Beginning with December 6, 1995 data, analysis performed by Sequoia Analytical, Walnut Creek, California.
Beginning with May 29, 1997 data, analysis performed by American Environmental Network, Pleasant Hill, California.

**Table 2:** **Groundwater Sample Analytical Results**
**Temporary Monitor Wells**
Former Penske Truck Leasing Co. Facility
2709 Teagarden Street, San Leandro, California

| Boring | Date | TPH Gasoline (a) (µg/L) | TPH Diesel (a) (µg/L) | Benzene (b) (µg/L) | Toluene (b) (µg/L) | Ethyl-benzene (b) (µg/L) | Xylenes (b) (µg/L) |
|---|---|---|---|---|---|---|---|
| BH-1 | 31-Jan-96 | 890 | 9,000 | [redacted] | ND(<0.5) | ND(<0.5) | ND(<0.5) |
| BH-2 | 31-Jan-96 | 250 | 7,100 | 0.96 | 0.53 | ND(<0.5) | 1.6 |

(a) Analyzed by USEPA Method 8015, modified.
(b) Analyzed by USEPA Method 8020.

µg/L micrograms per liter
ND( ) Not detected; laboratory method detection limit in parentheses.

Analysis by Sequoia Analytical, Walnut Creek, California.

**Table 2: Soil Sample Analytical Results**
**Former Penske Truck Leasing Facility, 2709 Teagarden Street, San Leandro, California.**



| Boring | Date | Depth (feet) | TPH Gasoline (a) (mg/kg) | TPH Diesel (a) (mg/kg) | Benzene (b) (mg/kg) | Toluene (b) (mg/kg) | Ethyl-benzene (b) (mg/kg) | Xylenes (b) (mg/kg) |
|---|---|---|---|---|---|---|---|---|
| MW-1 | 3-Jul-91 | 5 | ND(<1) | ND(<10) | ND(<.003) | ND(<.003) | ND(<.003) | ND(<.003) |
| | | 10 | ND(<1) | ND(<10) | ND(<.003) | ND(<.003) | ND(<.003) | ND(<.003) |
| MW-2 | 3-Jul-91 | 5 | ND(<1) | ND(<10) | ND(<.003) | ND(<.003) | ND(<.003) | ND(<.003) |
| | | 10 | ND(<1) | 4,100 | 0.092 | 0.12 | 0.071 | 0.12 |
| MW-3 | 3-Jul-91 | 5 | ND(<1) | ND(<10) | ND(<.003) | ND (<.003) | ND(<.003) | ND(<.003) |
| | | 10 | 420 | 4,300 | ND(<.015) | 0.27 | 0.30 | 0.58 |

**Notes:**

(a) Analyzed by USEPA Method 8015, Modified.
(b) Analyzed by USEPA Method 8020.

( ) Detection limit
ND Not detected

Analysis by Superior Analytical Laboratories, Inc. Martinez, California.

*Project No. RC02402*

Table 2: **Soil Sample Analytical Results**
Former Penske Truck Leasing Facility,
2709 Teagarden Street, San Leandro, California.

| Boring | Date | Depth (feet) | TPH Gasoline (a) (mg/kg) | TPH Diesel (a) (mg/kg) | Benzene (b) (mg/kg) | Toluene (b) (mg/kg) | Ethyl-benzene (b) (mg/kg) | Xylenes (b) (mg/kg) |
|---|---|---|---|---|---|---|---|---|
| MW-4 | 29-Jan-92 | 5 | ND(<1) | ND(<10) | ND(<.003) | ND(<.003) | ND(<.003) | ND(<.003) |
| | | 10 | 2 (c) | 30 | ND(<.003) | 4 | 4 | 14 |
| | | 15 | ND(<1) | ND(<10) | ND(<.003) | ND(<.003) | ND(<.003) | ND(<.003) |
| MW-5 | 29-Jan-92 | 5 | ND(<1) | ND(<10) | ND(<.003) | ND(<.003) | ND(<.003) | ND(<.003) |
| | | 10 | 28 (c) | 250 | 0.039 | 0.05 | 0.051 | 0.17 |
| | | 15 | ND(<1) | ND(<10) | ND(<.003) | ND(<.003) | ND(<.003) | ND(<.003) |

(a) Analyzed by USEPA Method 8015, Modified.
(b) Analyzed by USEPA Method 8020.
(c) Non-typical gasoline pattern observed in the chromatograms.

mg/kg Milligrams per kilogram
( ) Detection limit
ND Not detected

Analysis by Superior Precision Analytical, Inc., San Francisco, California.

Table 1: **Soil Sample Analytical Results**
**Soil Borings**
Former Penske Truck Leasing Co. Facility
2704 Teagarden Street, San Leandro, California

| Boring | Date | Depth | TPH Gasoline (a) (mg/kg) | TPH Diesel (a) (mg/kg) | Benzene (b) (mg/kg) | Toluene (b) (mg/kg) | Ethyl-benzene (b) (mg/kg) | Xylenes (b) (mg/kg) |
|---|---|---|---|---|---|---|---|---|
| BH-1 | 31-Jan-96 | 4.0 | ND (<1) | ND(<1) | ND(<0.005) | ND(<0.005) | ND(<0.005) | ND(<0.005) |
| | | 8.0 | 36 | 220 | ND(<0.005) | 0.085 | 0.16 | 0.17 |
| | | 13.0 | 40 | 1,800 | ND(<0.005) | ND(<0.005) | ND(<0.005) | ND(<0.005) |
| | | 15.0 | 63 | 820 | ND(<0.005) | 0.092 | 0.090 | 0.068 |
| BH-2 | 31-Jan-96 | 5.0 | 1.5 | ND(<1) | ND(<0.005) | ND(<0.005) | 0.011 | 0.026 |
| | | 8.0 | ND (<1) | 1.3 | ND(<0.005) | ND(<0.005) | ND(<0.005) | ND(<0.005) |
| | | 9.0 | 39 | 220 | 0.062 | ND(<0.005) | ND(<0.005) | 0.083 |
| | | 12.0 | 38 | 370 | ND(<0.005) | ND(<0.005) | 0.056 | 0.11 |

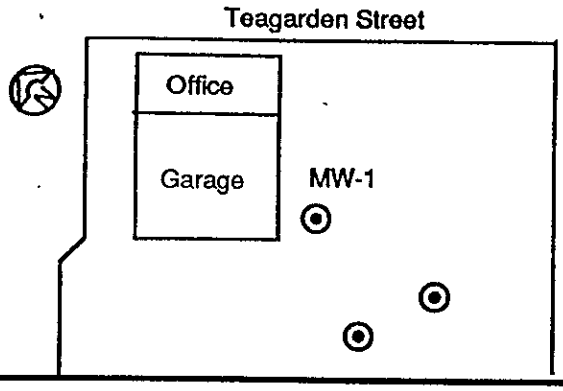
(a) Analyzed by USEPA Method 8015, modified.
(b) Analyzed by USEPA Method 8020.

mg/kg milligrams per kilogram
ND( ) Not detected; laboratory method detection limit in parentheses.

Analysis by Sequoia Analytical, Walnut Creek, California.

# APPENDIX A

## BORING LOGS



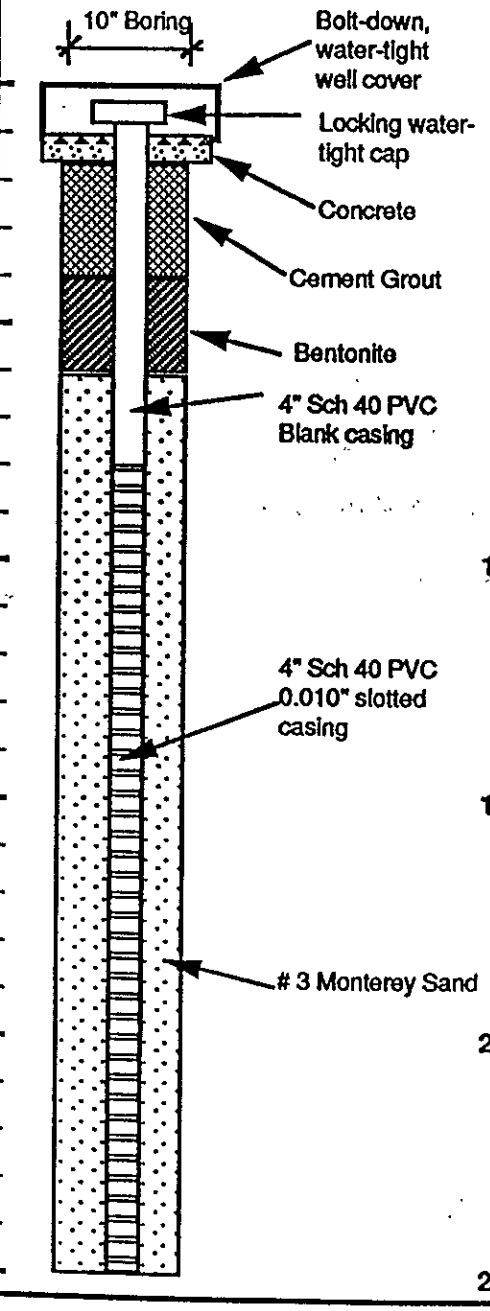

# LOG OF BORING MW-1

## Former Penske Truck Leasing Facility
## 2709 Teagarden Street
## San Leandro, California

Project No.: RC02402
Logged By: Paul V. Hehn
Drilling Co.: West HazMat
Driller: Tony

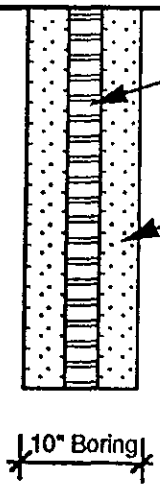
Date Drilled: July 3, 1991
Drilling Method: 10" Hollow Stem Auger.
Sampling Method: 2" Split spoon
Inclination: Vertical

**WELL CONSTRUCTION**



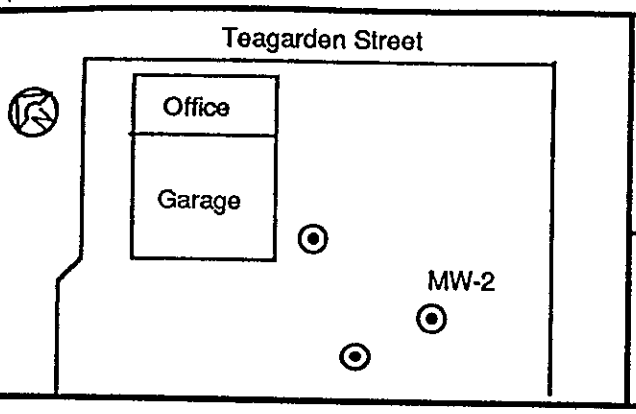

| Depth (ft.) | Blows/ft. | EXP Samples | Graphic | DESCRIPTION |
|---|---|---|---|---|
| | | | | Surface Elevation: 27.26 feet<br>Casing Elevation: 27.09 feet |
| 0 | | | | Asphalt |
| | | | | SANDY SILT(ML), Olive to brown; 20% fine gravel; Dry. |
| 5 | 23 | 20 | | SAND (SP), Light olive grey (5y; 6/2); Fine to medium grained; 10% fine gravel; 10% fine silt; Medium dense; Dry. |
| 10 | 16 | 5 | | 7/3/91 CLAY (CL), Dark grayish brown (10YR; 4/2); 10% fine sand; 5% fine gravel; Stiff; Dry. |
| 15 | 11 | 20 | | SAND (SP), Brown (10YR; 5/3); Fine to medium grained; Well rounded to subangular; 5% fine gravel; Medium dense; Wet. |
| 20 | 12 | 40 | | @20 feet: Pale brown (10YR; 6/3); 90% well sorted sand; 5% fine gravel; 5% Clay. |
| 25 | | | | |

## WELL CONSTRUCTION




## LOG OF BORING MW-1 (continued)

| Depth (ft.) | Blows/ft. | EXP | Samples | Graphic | DESCRIPTION |
|---|---|---|---|---|---|
| 30 | 26 | 15 | | | CLAYEY SAND (SC), Yellowish brown (10YR; 5/4); Medium to coarse grained ; 20% clay; 10% fine gravel; Dense; Wet. |
| | 41 | 25 | | | |
| | 46 | 20 | | | CLAY (CL); Light brownish grey (2.5Y; 6/2); 5% fine to medium grained sand stringers; Hard; Damp to moist. |
| 35 | | | | | Bottom of Boring: 33 Feet. Time: 10:00 AM Date: 7/3/91 |
| 40 | | | | | |
| 45 | | | | | |
| 50 | | | | | |
| 55 | | | | | |
| 60 | | | | | |

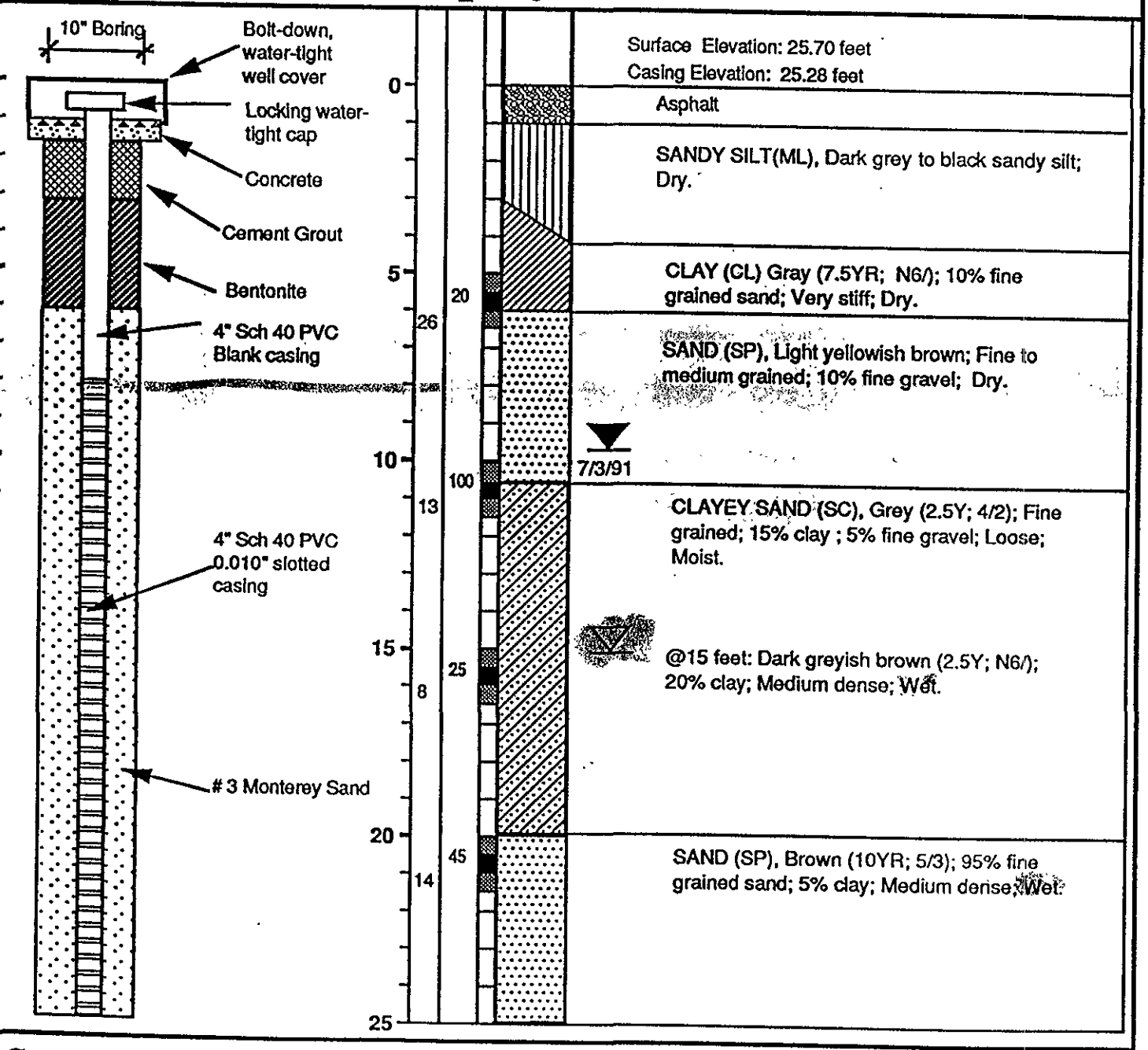



# LOG OF BORING MW-2

## Former Penske Truck Leasing Facility
## 2709 Teagarden Street
## San Leandro, California

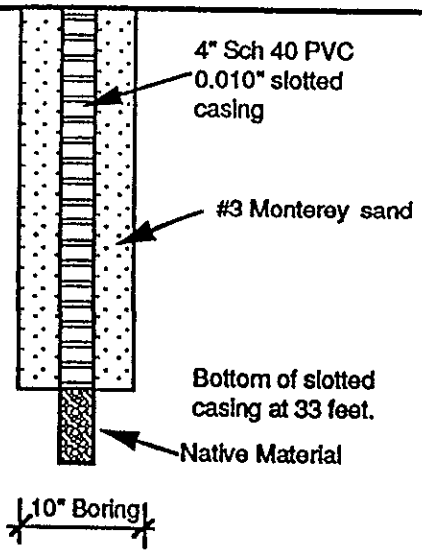
Project No.: RC02402
Logged By: Paul V. Hehn
Drilling Co.: West HazMat
Driller: Tony

Date Drilled: July 3, 1991
Drilling Method: 10" Hollow Stem Auger.
Sampling Method: 2" Split spoon
Inclination: Vertical

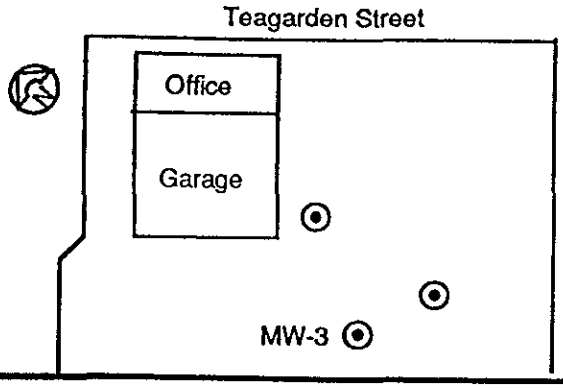


## LOG OF BORING MW-2 (continued)

**WELL CONSTRUCTION**




| Depth (ft.) | Blows/ft. | EXP | Samples | Graphic | DESCRIPTION |
|---|---|---|---|---|---|
| | 23 | | 40 | | @ 25 feet: Fine to medium grained sand; Occasional fine gravel. |
| 30 | 22 | | 35 | | SANDY CLAY (CL), Greyish brown (2.5Y; 5/2); 10% fine grained sand; Very stiff; Moist to Wet. |
| | 20 | | | | SAND (SW), Yellowish brown (10YR; 5/4); Well rounded to subangular; 10% subangular fine gravel; Medium dense; Wet. |
| | 38 | | 30 | | SILTY to SANDY CLAY (CL), Grayish brown (2.5 Y; 5/4); 10% silt to fine grained sand; Grey mottling; Hard; Moist. |
| 35 | | | | | Bottom of Boring: 33 Feet. Sample Advance: 34.5 Feet. Time: 1:50 PM Date: 7/3/91 |
| 40 | | | | | |
| 45 | | | | | |
| 50 | | | | | |
| 55 | | | | | |
| 60 | | | | | |



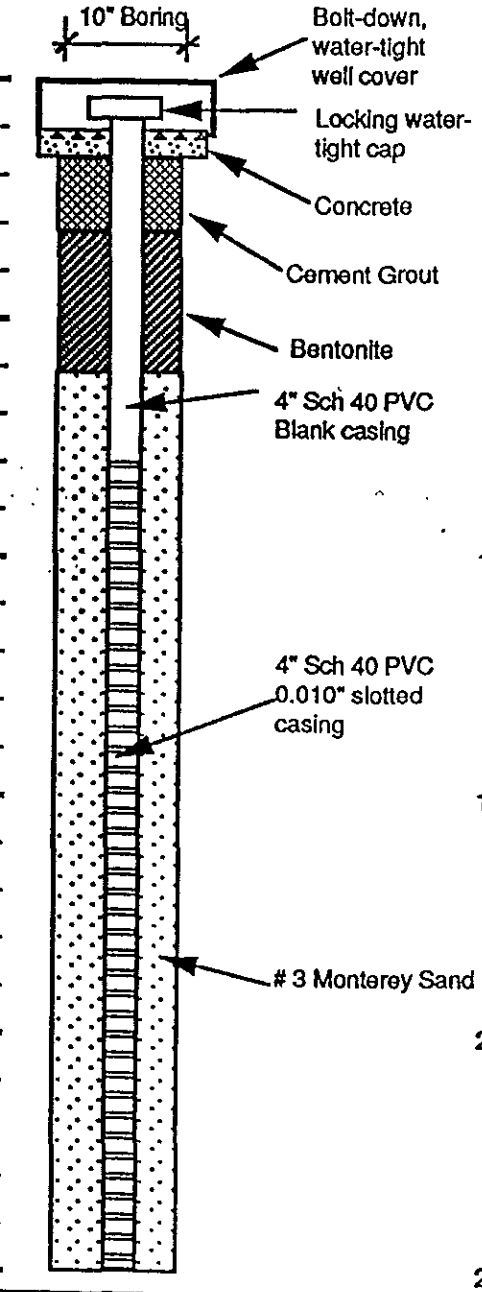

# LOG OF BORING MW-3

## Former Penske Truck Leasing Facility
## 2709 Teagarden Street
## San Leandro, California

Project No.: RC02402
Logged By: Paul V. Hehn
Drilling Co.: West HazMat
Driller: Tony

Date Drilled: July 3, 1991
Drilling Method: 10" Hollow Stem Auger.
Sampling Method: 2" Split spoon
Inclination: Vertical

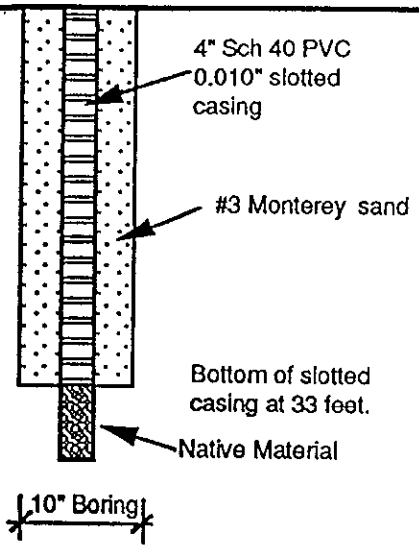
**WELL CONSTRUCTION**



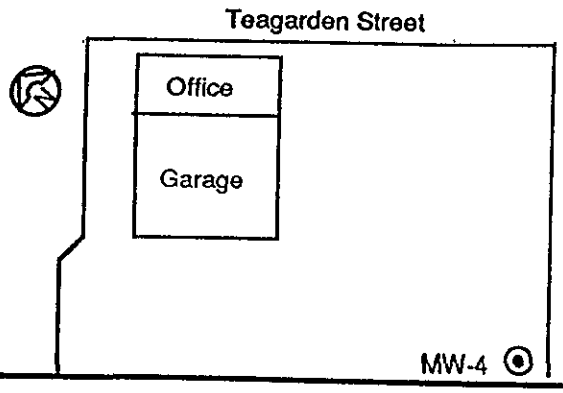

| Depth (ft.) | Blows/ft. | EXP Samples | Graphic | DESCRIPTION |
|---|---|---|---|---|
| | | | | Surface Elevation: 25.67 feet<br>Casing Elevation: 25.41 feet |
| 0 | | | | Asphalt |
| | | | | SILTY CLAY (CL) Dark gray to black; 10% fine gravel; Dry. |
| 5 | 16 | 20 | | SAND (SP), Light brownish grey (2.5Y; 6/2); Fine grained; 10% silt; Medium dense; Dry. |
| 10 | 14 | 70 | | 7/3/91<br>CLAY (CL), Grey (2.5Y; N6/); 10% fine grained sand; Stiff; Damp. |
| 15 | 8 | 30 | | @15 feet: CLAYEY SAND (SC), Dark greyish brown (2.5Y; N6/); Fine grained; 20% clay; Medium dense; Wet. |
| 20 | 13 | 50 | | SAND (SP), Brown (10YR; 5/3); fine to medium grained; well sorted; 5% clay; Medium dense; Wet. |
| 25 | | | | |

## LOG OF BORING MW-3 (continued)

**WELL CONSTRUCTION**




| Depth (ft.) | Blows/ft. | EXP Samples | Graphic | DESCRIPTION |
|---|---|---|---|---|
| 25 | 30 | | | @ 25 feet: Occasional fine gravel. |
| 30 | 20 | 30 | | CLAY (CL), Yellowish brown ( 10YR; 5/4) ; 5% fine grained sand; 5% silt; Very stiff; Wet. |
| 30 | | | | |
| 35 | | | | Bottom of Boring: 33 Feet.<br>Sample Advance: 34.5 Feet.<br>Time: 5:45 PM Date: 7/3/91 |
| 40 | | | | |
| 45 | | | | |
| 50 | | | | |
| 55 | | | | |
| 60 | | | | |

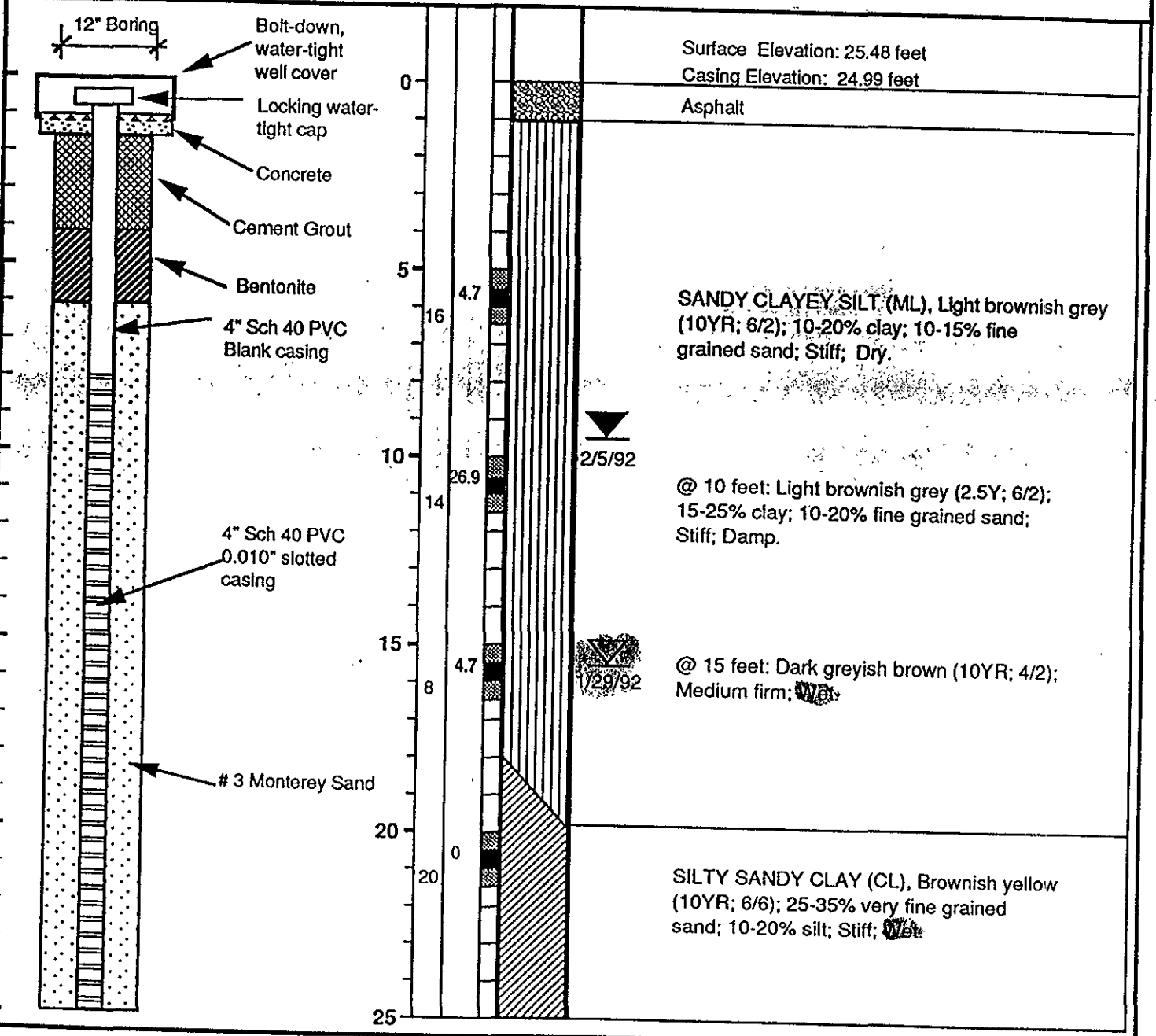



# LOG OF BORING MW-4

## Former Penske Truck Leasing Facility
## 2709 Teagarden Street
## San Leandro, California

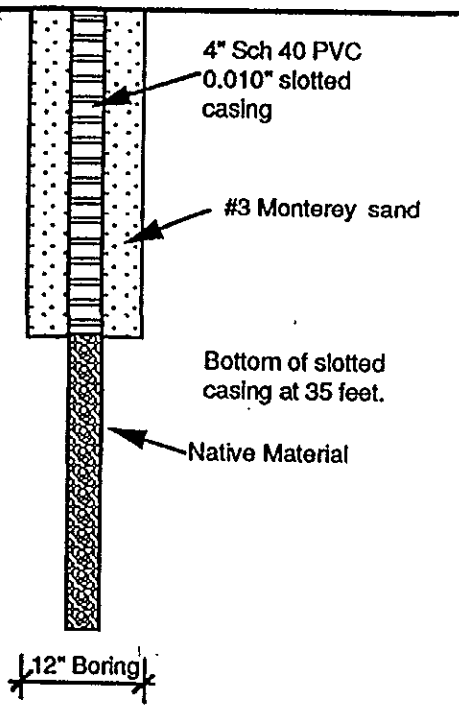
Project No.: RC02404
Logged By: M. M. Bessette
Drilling Co.: West HazMat
Driller: Doug

Date Drilled: Jan. 29, 1992
Drilling Method: 12" Hollow Stem Auger.
Sampling Method: 2" Split spoon
Inclination: Vertical

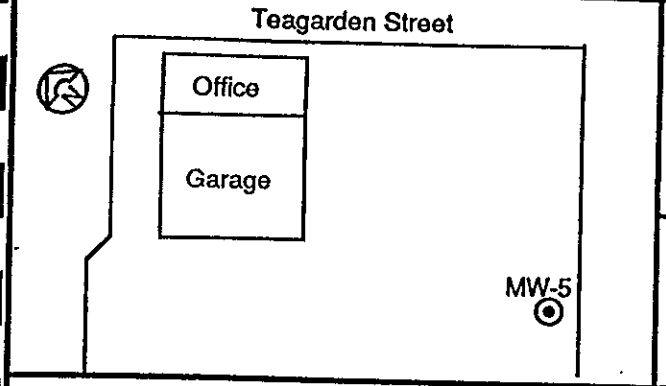


## LOG OF BORING MW-4 (continued)

### WELL CONSTRUCTION




| Depth (ft.) | Blows/ft. | EXP | Samples | Graphic | DESCRIPTION |
|---|---|---|---|---|---|
| 30 | 22 | 1.5 | | | SILTY SAND (SM); Yellowish brown (10YR: 5/4); Well sorted; Well rounded; 20% silt; Medium dense; Wet |
| | 17 | 1.5 | | | SANDY SILT (ML), Light brownish grey, (2.5Y; 6/2); 20% fine grained sand; 10% clay; 5% medium grained sand; Very stiff; Wet. |
| 35 | 19 | 1.5 | | | @ 35 feet: 20% Very fine grained sand. |
| | 21 | | | | @ 37 feet: < 5% subrounded, medium grained sand; 20% clay. |
| 40 | | | | | Bottom of Boring: 35 Feet.<br>Sample Advance: 38 Feet.<br>Time: 10:45 AM Date:1/29/92 |
| 45 | | | | | |
| 50 | | | | | |
| 55 | | | | | |
| 60 | | | | | |




# LOG OF BORING MW-5

## Former Penske Truck Leasing Facility
## 2709 Teagarden Street
## San Leandro, California

Project No.: RC02404
Logged By: M. M. Bessette
Drilling Co.: West HazMat
Driller: Doug

Date Drilled: Jan. 30, 1992
Drilling Method: 12" Hollow Stem Auger.
Sampling Method: 2" Split spoon
Inclination: Vertical

**WELL CONSTRUCTION**

**DESCRIPTION**

Depth (ft.) | Blows/ft. | EXP | Samples | Graphic

12" Boring
Bolt-down, water-tight well cover
Locking water-tight cap
Concrete
Cement Grout
Bentonite
4" Sch 40 PVC Blank casing
4" Sch 40 PVC 0.010" slotted casing
# 3 Monterey Sand

Surface Elevation: 25.70 feet
Casing Elevation: 25.54 feet

0 — Asphalt

SANDY CLAY (CL); Black (2.5Y; 2/0); 10-15% fine grained sand; 1-5% very coarse grained, angular sand; Dry.

5 — 27 — 6.5

SANDY SILT (ML); Grey (5Y; 5/1); 20-30% very fine grained sand; Very stiff; Dry.

10 — 15 — 10

2/5/92

@ 10 feet: 20-30% clay; Stiff; Damp.

1/30/92

15 — 5 — 16

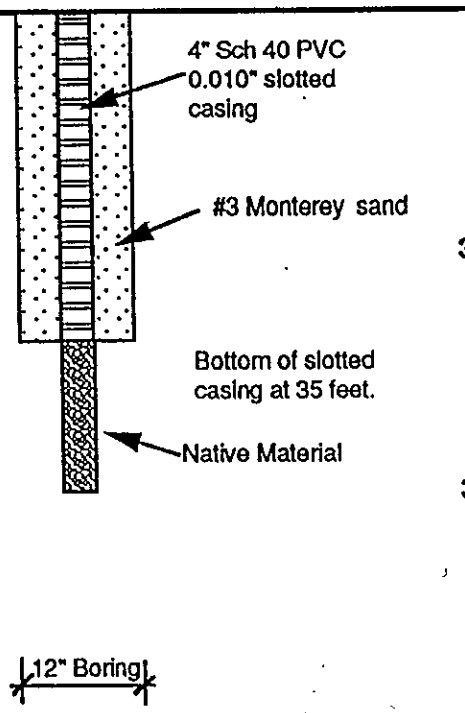
@ 15 feet: Dark greyish brown (10YR 4/2); 10-20% very fine grained sand; 5-10% very coarse grained sand; Soft; Wet

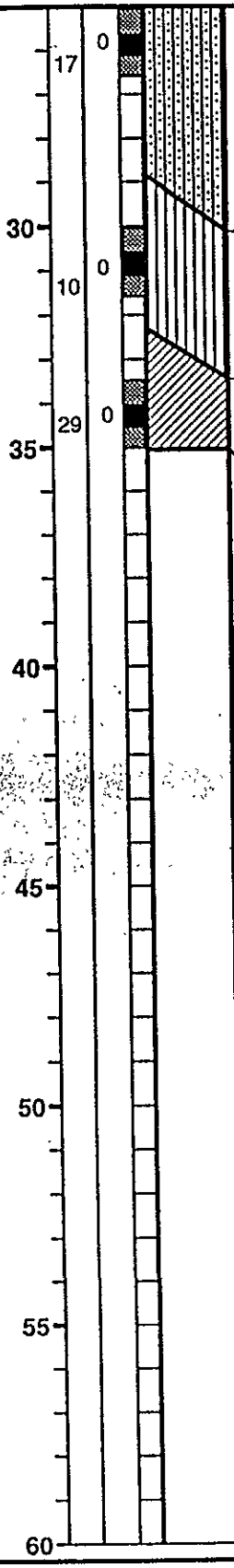
20 — 20 — 12

SILTY SAND (SM); Yellowish brown (10YR; 5/4); 20-30% silt; Very fine grained sand; Medium dense; Wet

25

## LOG OF BORING MW-5 (continued)



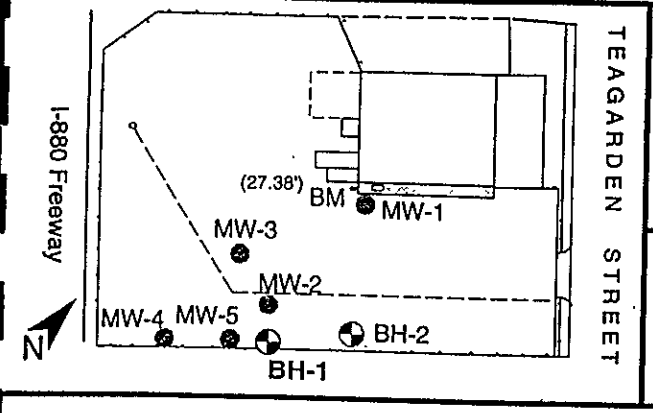

### DESCRIPTION

@ 25 feet: Light olive brown (2.5YR: 5/4); Poorly sorted; 20% silt; 5-10% coarse sand; Mottled appearance with grey patches; Medium dense; Wet

SANDY SILT (ML), Light brownish grey ( 2.5Y; 6/2); 15-20% medium grained sand; 1-4% very angular white clasts; Stiff; Moist.

SANDY SILTY CLAY (CL), Olive brown ( 2.5Y; 4/4); 15-20% silt; 5-10% fine grained sand; 1-5% angular, very coarse grained sand; Mottled appearance with grey-colored veins and reddish spots; Very stiff; Moist.

Bottom of Boring: 33 Feet.
Sample Advance: 35 Feet.
Time: 2:00PM Date:1/30/92




# LOG OF BORING BH-1
## Former Penske Truck Leasing Facility
## 2709 Teagarden Street
## San Leandro, California

Project No.: RC0024.006
Logged By: Paul Hehn
Drilling Co.: Precision Sampling, Inc.
Driller: Sean Onorato

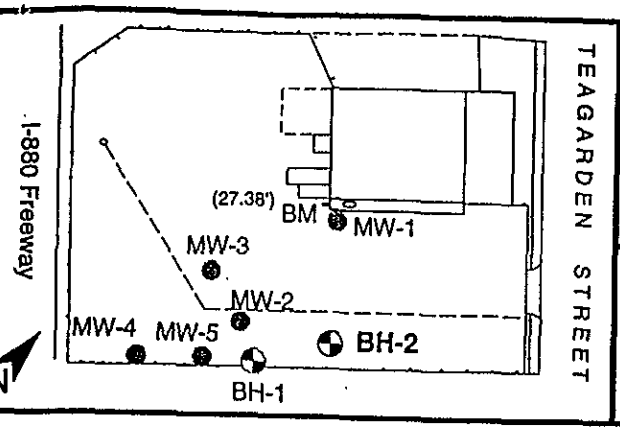
Date Drilled: January 31,1996
Drilling Method: Envirocore
Sampling Method: Continuous Core
Driller's License: 636387

**WELL CONSTRUCTION**

2" Boring

Backfilled with cement / bentonite grout

| Depth (ft.) | Blows/ft. | EXP Samples | Graphic | DESCRIPTION |
|---|---|---|---|---|
| 0 | | | | CONCRETE |
| | | | | CLAY (CL); dark brown (7.5YR 3/2); 5% fine-grained sand; dry. |
| | | 0 | | SAND (SW); light gray (2.5Y 7/2); 20% fine gravel. |
| 5 | | | | @ 6 feet: 5% fine gravel; increased silt (to 20%) and finer grained sand. |
| | | 40 | | CLAY (CL), gray (7.5YR N5/); 1% fine-grained sand; slight odor; moist. |
| 10 | | | | |
| | | 25 | | SAND (SP), yellowish brown (10YR 5/8); 20% fine gravel; odor; wet. |
| | | 70 | | SILTY CLAY (CL), gray (2.5Y N6/); 10% silt; slight odor; dry. |
| 15 | | | | @ 15 feet: problem with flowing sands filling core barrel; prevents further sampler advance; stopped drilling; inserted temporary casing and collected water samples. |
| | | | | Total Depth Explored: 15 feet<br>Time: 10:00 Date: January 31, 1996 |
| 20 | | | | |
| 25 | | | | |

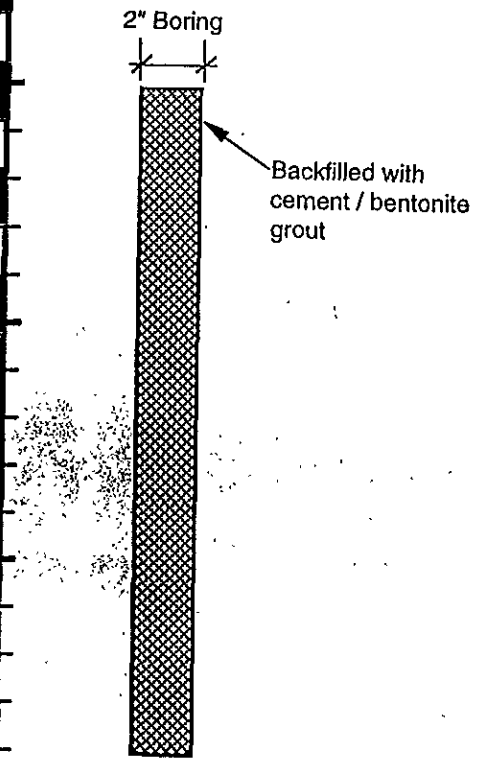



# LOG OF BORING BH-2
## Former Penske Truck Leasing Facility
## 2709 Teagarden Street
## San Leandro, California

Project No.: RC0024.006
Logged By: Paul Hehn
*Drilling Co.: Precision Sampling, Inc.*
Driller: Sean Onorato

Date Drilled: January 31,1996
Drilling Method: Envirocore
Sampling Method: Continuous Core
Driller's License: 636387

**WELL CONSTRUCTION**




| Depth (ft.) | Blows/ft. | EXP Samples | Graphic | DESCRIPTION |
|---|---|---|---|---|
| 0 | | | | ASPHALT |
| | | | | SAND AND GRAVEL BACKFILL |
| | | | | CLAY (CL); very dark gray (5YR 3/1); 1% fine-grained sand; dry. |
| 5 | | 15 | | SAND (SP), dark grayish brown (2.5Y 4/2); fine-grained; dry. |
| | | 20 | | SANDY CLAY (CL), gray (5Y 6/1); 10% fine-grained sand; dry. |
| 10 | | | | SAND (SW); gray (10YR 6/1); 15% fine gravel; wet; slight odor. |
| | | 80 | | SILTY CLAY (CL), grayish brown (2.5Y 5/2); 5-10% silt; slight odor; moist. |
| | | | | SAND (SP), gray (10YR 5/1); fine-grained; 10% clay; slight odor; wet. |
| 15 | | | | @ 14 feet: problem with flowing sands filling core barrel; prevents further sampler advance; stopped drilling; inserted temporary casing and collected water samples. |
| | | | | Total Depth Explored: 14 feet<br>Time: 10:35 Date: January 31, 1996 |
| 20 | | | | |
| 25 | | | | |