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

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

REMEDIAL ACTION COMPLETION CERTIFICATION

January 13, 1997

Mr. Jeff Sibley
J.T. Trucking
2818 Cypress Street
Oakland, California 94608

STID # 3973 - J.T. Trucking, 2818 Cypress Street, Oakland, California 94608

Dear Mr. Sibley:

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 Susan L. Hugo of our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director

enclosure

c: Gordon Coleman, Acting Chief, Environmental Protection Division
Kevin Graves, San Francisco Bay RWQCB
Lori Casias, SWRCB (with enclosure)
Robert Kitay, ASE, 2411 Old Crow Canyon Rd., San Ramon, CA 94583
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01-1704

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
DEC 05 1996

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: November 12, 1996**

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pkwy**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Susan Hugo** Title: **Sr. Hazardous Mat'ls Spec.**

II. CASE INFORMATION

Site facility name: **J.T. Trucking**
Site facility address: **2818 Cypress Street, Oakland, CA 94608**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3973**
URF filing date: **6/25/93** SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
J.T. Trucking c/o Jeff Sibley	2818 Cypress Street Oakland, CA 94608	

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	10,000	Diesel	Removed	5/26/93
2	8,000	Gasoline	Removed	5/26/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
Site characterization complete? **YES**
Date approved by oversight agency: **11/7/96**
Monitoring Wells installed? **No** Number: **0**
Proper screened interval? **NA**
Highest GW depth below ground surface: **Groundwater encountered at ~4' bgs in boring BH-A.**
Flow direction: **Southerly, based on groundwater date from 2525 Cypress St.**
Most sensitive current use: **Industrial**
Are drinking water wells affected? **No** Aquifer name: **Unknown**
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

ENVIRONMENTAL PROTECTION
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Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	2 USTs	Erickson, in Richmond	5/26/93
Piping			
FP/Rinsate	250 gallon	Demenno Kerdoon, in Compton	5/26/93
Soil	~10 tons	Vasco Rd L.F., in Livermore	7/13/95

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant		Soil (ppm) Before	Soil (ppm) After	Water (ppb) Before	Water (ppb) After
TPH (Gas)		ND	ND	ND	ND
TPH (Diesel)		1,600	ND	3,300	960
Benzene		ND	ND	ND	ND
Toluene		ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND
Xylenes		ND	ND	ND	ND
MTBE		NA	NA	NA	ND
Heavy metals	Total Lead	<10x STLC		ND	
Other	PNAs		NA	NA	ND

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

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: **NA**
Number Decommissioned: *NA* Number Retained: **NA**
List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

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

Signature: [signature] Date: 12/3/96

Reviewed by

Name: **Susan Hugo** Title: **Sr. Haz Mat Specialist**

Signature: [signature] Date: 11/18/96

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

Signature: [signature] Date: 12-2-96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 12/4/96 RB Response: Approved

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

Signature: [signature] Date: 12/11/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two steel USTs (1-10K gallon diesel, 1-8K gallon gasoline) in a common pit were removed on May 26, 1993. The tanks had no apparent holes or cracks and appeared to be in fair condition. Groundwater was encountered at ~7' to 8' bgs in the excavation. A residual product sheen was floating on its surface.

Four discrete soil samples (DB-1, DB-2, GB-1 and GB-2) were collected from native soil below each end of the tanks at ~10' bgs. One grab groundwater sample (PW-1) was also collected from the excavation. All samples were analyzed for TPHg, TPHd, BTEX, and total lead. Only soil sample DB-2, from below the diesel tank, contained detectable amounts of hydrocarbons (1,608 ppm TPHd). The grab groundwater sample contained 3,000 ppb TPHd. Lead levels were <10x STLC. See Fig 1, Table 1

Based on the analytical results, the south, southeast corner of the pit was overexcavated, removing ~5 to 10 cy of impacted soil. Confirmatory soil samples (DOX-B, DOX-E, and DOX-S) collected from the pit at ~ 11' to 12' bgs did not contain detectable levels of TPHg, TPHd, or BTEX. See Table 2

On March 28, 1996 a soil boring BH-A was drilled ~8' south of the former tank excavation, in the assumed downgradient flow direction, to evaluate if groundwater quality was impacted by the fuel release. The groundwater flow direction was based on the groundwater data collected from Pacific Cotton Goods, located at 2525 Cypress Street, which has consistently been to the

south. A soil sample was collected from the capillary fringe at ~3.5' bgs and a grab groundwater sample was collected for TPHg, TPHd, BTEX, MTBE, and PNAs analysis. None of the above analytes were detected except for 960 ppb TPHd from the groundwater sample. See Fig 2, Tables 3 and 4

It does not appear that the fuel release has significantly impacted groundwater quality beneath the site.

In summary, case closure is recommended because:

- the leak and ongoing sources have been removed;
- the site has been adequately characterized;
- no water wells, surface water, or other sensitive receptors are likely to be impacted; and,
- the site presents no significant risk to human health or the environment.

Although residual TPHd is still in groundwater, the chemicals of concern, BTEX and PNAs, have not been detected.

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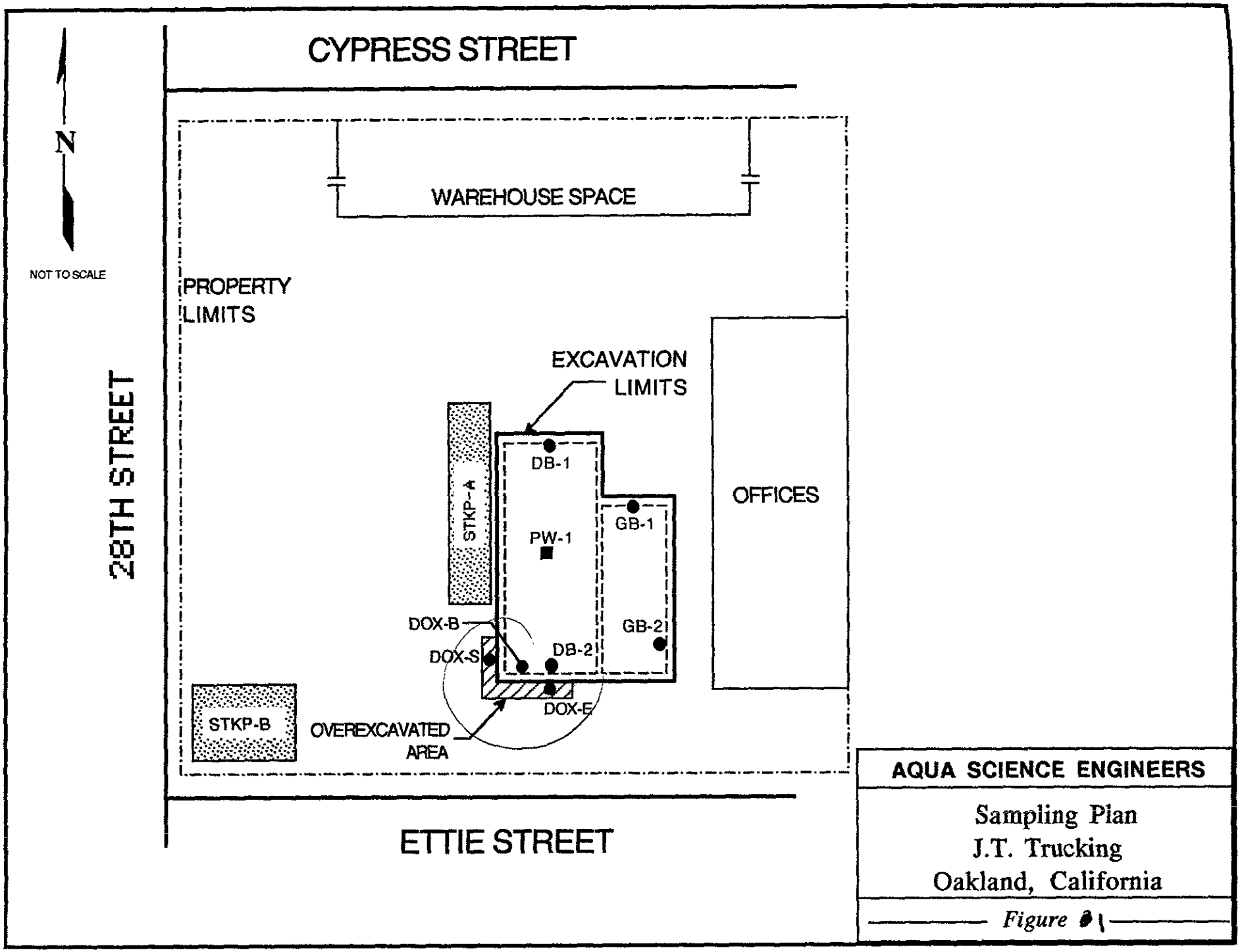
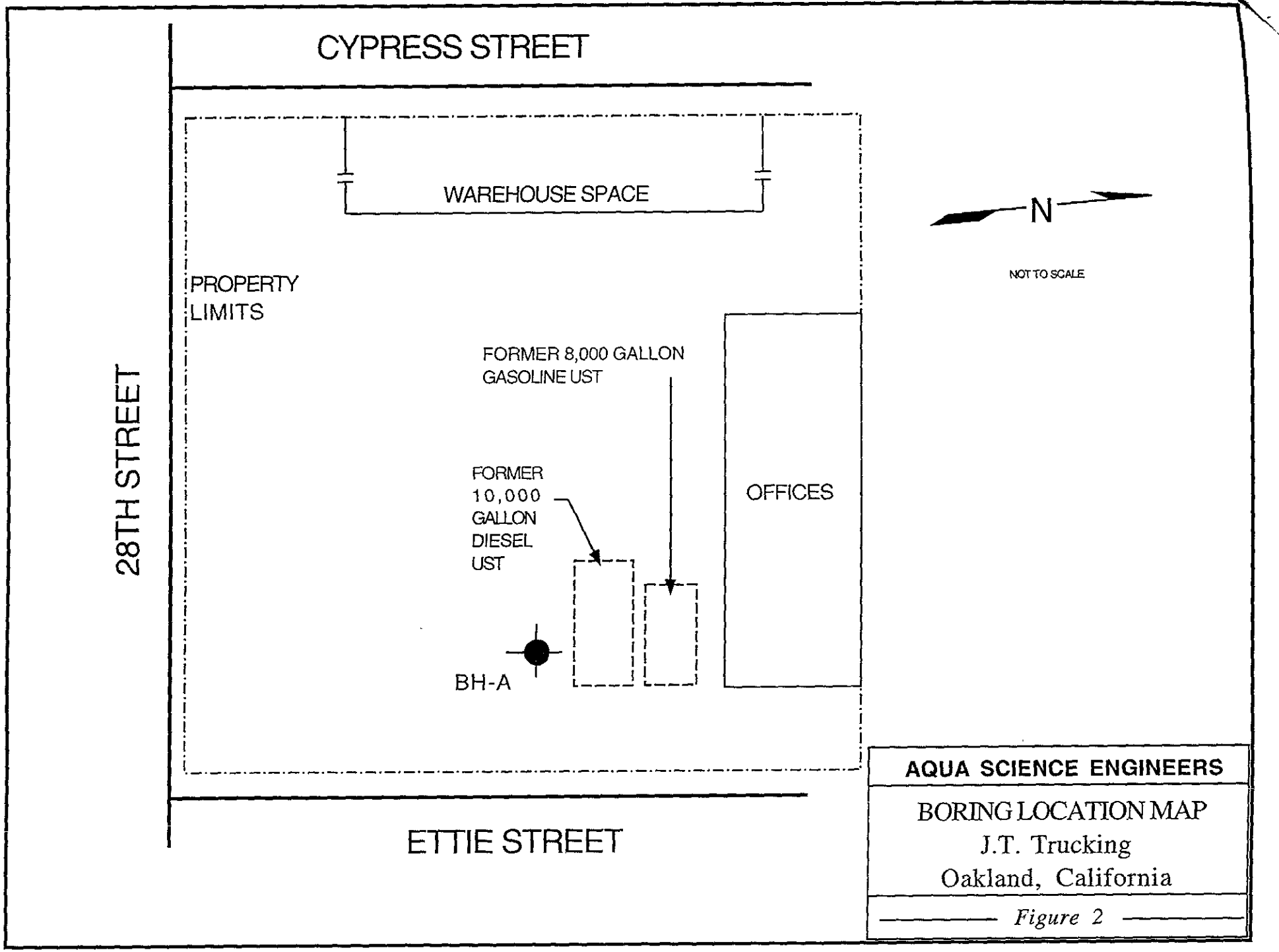


AQUA SCIENCE ENGINEERS

Sampling Plan
J.T. Trucking
Oakland, California

Figure 1



AQUA SCIENCE ENGINEERS

BORING LOCATION MAP
J.T. Trucking
Oakland, California

Figure 2

The stockpile samples (consisting of three discrete samples) were composited by the laboratory. The water sample was collected by using a pre-cleaned, disposable bailer and stored in 40 ml VOA and 1-liter sample containers. Samples were submitted for analysis to the state certified laboratory, Priority Environmental Labs in Milpitas, California (DHS No. 1708). The above-referenced samples were analyzed for the following constituents: Total Petroleum Hydrocarbons (TPH) as Gasoline (EPA 5030/8015), TPH as Diesel (EPA 3550/8015), the fractions BTEX (EPA 8020), and Total Extractable Lead (EPA 7420). Analysis results are shown below in Table Two; copies can be found in Appendix A.

TABLE ~~TWO~~ ONE
SOIL AND WATER SAMPLE RESULTS

Sample ID.	TPH Gasoline (ppm)	TPH Diesel (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl Benzene (ppb)	Total Xylenes (ppb)	Total Lead (ppm)
SOIL							
DB-1	N.D.	~~N.D.~~	N.D.	N.D.	N.D.	N.D.	23
DB-2	N.D.	1600	N.D.	N.D.	N.D.	N.D.	22
GB-1	N.D.	~~N.D.~~	N.D.	N.D.	N.D.	N.D.	11
GB-2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12
STKP-A*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
STKP-B*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	58
WATER							
PW-1	N.D.	3.3	N.D.	N.D.	N.D.	N.D.	N.D.
EPA METHOD	5030/ 8015	3550/ 8015	8020	8020	8020	8020	7420

N.D. Non Detectable at analytical method limits
ppm parts per million
ppb parts per billion
* Composited sample (performed at the lab)

8.0 INITIAL BACKFILLING

The excavation was partially backfilled immediately (with the excavated, stockpiled material located near the excavation) to reduce the risk of undermining of the nearby building (see Figure 2, Site Plan). This procedure was discussed on site with Mr. Oliva from the ACHCSA prior to initiation.

9.0 OVEREXCAVATION

Based on the chemical analytical results as detailed above, it was apparent that a localized portion of the excavation soil had been impacted by petroleum hydrocarbons (1600 ppm TPH as Diesel in sample DB-2). While being witnessed by Ms. Susan Hugo (the Local Oversite Program representative from the ACHCSA), ASE overexcavated approximately 5-10 cubic yards of petroleum-hydrocarbon bearing soil from the localized portion of the excavation on June 7, 1993. Soil samples were collected from the new excavation limits and from the overexcavated, stockpiled material (see Figure 3, Sampling Plan). The samples were collected at an approximate depth of 11-12' bgs in the area below the former diesel tank. The samples were labeled as follows: DOX-B, DOX-E, DOX-S, and OEX. The samples were collected from the new bottom, the east sidewall, the south sidewall and the stockpiled material respectively.

The above-referenced samples were collected in the manner detailed in section 7.0, and analyzed for the following constituents: Total Petroleum Hydrocarbons (TPH) as Gasoline (EPA 5030/8015), TPH as Diesel (EPA 3550/8015), the fractions BTEX (EPA 8020), and Total Extractable Lead (EPA 7420). Analysis results are shown below in Table Three, copies can be found in Appendix A.

TWO
TABLE ~~THREE~~
OVEREXCAVATION SOIL SAMPLE RESULTS

Sample ID.	TPH Gasoline (ppm)	TPH Diesel (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl Benzene (ppb)	Total Xylenes (ppb)	Total Lead (ppm)
SOIL							
DOX-B	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8.7
DOX-E	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8.0
DOX-S	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	11
OEX*	N.D.	210	N.D.	N.D.	N.D.	N.D.	10
EPA METHOD	5030/ 8015	3550/ 8015	8020	8020	8020	8020	7420

N.D. Non Detectable at analytical method limits
ppm parts per million
ppb parts per billion
* Composited sample (performed at the lab)

hydrochloric acid. Samples to be analyzed for TPH-D and polynuclear aromatic hydrocarbons (PNAs) were contained in 1-liter amber glass bottles. All samples were labeled, placed in protective foam sleeves as necessary, and stored on ice for transport to C&T under chain of custody. Drilling equipment was cleaned with a TSP solution between sampling intervals to prevent potential cross-contamination.

Sediments encountered during drilling generally consisted of silty sand from the ground surface to the total depth explored of 16-feet below ground surface (bgs).

5.0 ANALYTICAL RESULTS FOR SOIL

The soil sample collected from the capillary zone, 3.5-feet below ground surface (bgs), was analyzed by C&T for TPH-G by modified EPA Method 5030/8015 (GCFID), TPH-D by modified EPA Method 3510/8015 (GCFID), and MTBE and BTEX by EPA Method 8020. The analytical results are tabulated in Table One, and the certified analytical report and chain of custody forms are included in Appendix C. No hydrocarbons were detected in the soil sample.

TABLE ~~ONE~~ 3

Summary of Chemical Analysis of **SOIL** Samples
All results are in **parts per million**

Boring & Depth	TPH-G	TPH-D	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	PNA
BH-A - 3.5'	<1	<1	< 0.005	< 0.005	< 0.005	< 0.01	< 0.02	---

EXPLANATION OF TABLE

Abbreviations:

TPH-G: Total petroleum hydrocarbons as gasoline by modified EPA Method 5030/8015 (GCFID)

TPH-D: Total petroleum hydrocarbons as diesel by modified EPA Method 3510/8015 or 3550/8015 (GCFID)

MTBE: Methyl t-butyl ether by EPA Method 8020

PNAs: Polynuclear aromatic hydrocarbons by EPA Method 3520/8270

Notes:

Non-detectable concentrations noted by the less than symbol (<) followed by the detection limit.

6.0 ANALYTICAL RESULTS FOR GROUNDWATER

The groundwater sample was analyzed by C&T for TPH-G by modified EPA Method 5030/8015 (GCFID), TPH-D by modified EPA Method 3510/8015 (GCFID) and MTBE and BTEX by EPA Method 8020. Since TPH-D was detected in the groundwater sample, the sample was also analyzed for PNAs by EPA Method 3520/8270. The analytical results are tabulated in Table Two, and the certified analytical report and chain of custody forms are included in Appendix D.

TABLE ~~two~~ 4

Summary of Chemical Analysis of **GROUNDWATER** Samples
All results are in **parts per billion**

Boring	TPH-G	TPH-D	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	PNAs
BH-A	<50	960*	<0.5	<0.5	<0.5	<1	<2	<11

EXPLANATION OF TABLES

Abbreviations:

TPH-G: Total petroleum hydrocarbons as gasoline by modified EPA Method 5030/8015 (GCFID)

TPH-D: Total petroleum hydrocarbons as diesel by modified EPA Method 3510/8015 or 3550/8015 (GCFID)

MTBE: Methyl t-butyl ether by EPA Method 8020

PNAs: Polynuclear aromatic hydrocarbons by EPA Method 3520/8270

Notes:

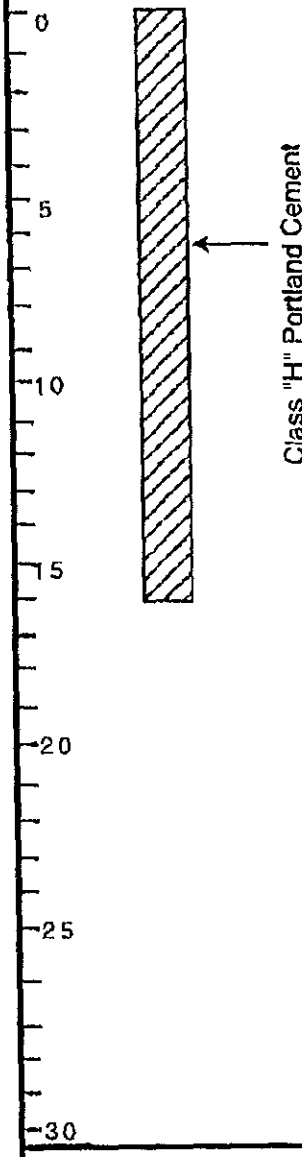
Non-detectable concentrations noted by the less than symbol (<) followed by the detection limit.

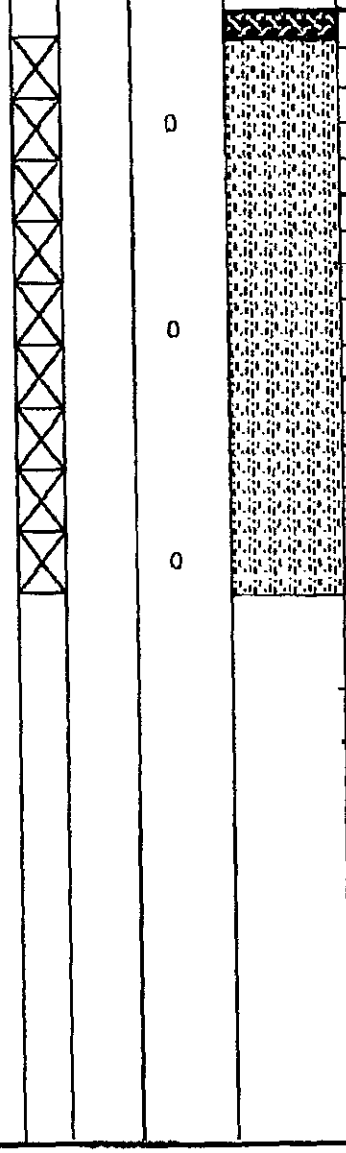
* = Non-typical chromatogram pattern

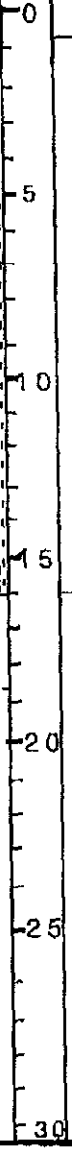
960 parts per billion (ppb) TPH-D were detected in groundwater samples collected from boring BH-A. No TPH-G, BTEX, MTBE or PNAs were detected in the groundwater sample.

SOIL BORING LOG AND COMPLETION DETAILS		Boring BH-A
Project Name: J.T. Trucking	Project Location: 2818 Cypess Street, Oakland, CA	Page 1 of 1
Driller: Gregg Drilling	Type of Rig: Geoprobe	Size of Drill: 2" Diameter Direct Push
Logged By: Robert E. Kitay	Date Drilled: March 28, 1996	Checked By: David M. Schultz, P.E.

WATER AND WELL DATA	
Depth of Water First Encountered: 4'	Total Depth of Well Completed: NA
Static Depth of Water In Well: NA	Well Screen Type and Diameter: NA
Total Depth of Boring: 16'	Well Screen Slot Size: NA
	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler







DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

Asphaltic Concrete

Silty SAND (SM); yellow brown; dense; damp; 70-85% fine to medium sand; 15-30% silt; non-plastic; medium estimated K; no odor

▼ *Groundwater First Encountered*

End of Boring at 16'