

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

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

February 4, 2002  
StID #5846/RO0000080

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Victor Lewkowitz  
201 2<sup>nd</sup> St.  
Oakland, CA 94607

**RE: 206 2nd St., Oakland CA 94607**

Dear Mr. Lewkowitz:

This letter confirms the completion of site investigation and remedial action for the one(1) 1000 gallon bunker oil tank 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 tank is greatly appreciated.

Based on information in the above-referenced file and with provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of this Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) as the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mee Ling Tung', is written over a horizontal line.

Mee Ling Tung  
Director, Environmental Health

c:/B. Chan, Hazardous Materials Division-files  
Chuck Headlee, RWQCB  
Mr. Allan Patton, SWRCB Cleanup Fund  
Mr. H. Gomez, City of Oakland Fire Services, 1605 MLK Jr. Dr.,  
Oakland CA 94612

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HEALTH CARE SERVICES



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February 4, 2002  
StID#5846/RO0000080

Mr. Victor Lewkowitz  
201 2<sup>nd</sup> St.  
Oakland, CA 94607

**RE: 206 2<sup>nd</sup> St., Oakland CA 94607**

Dear Mr. Lewkowitz:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with the Health and Safety Code, 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 Health Services, Local Oversight Program (LOP) is required to use this case closure letter. We are also enclosing the case closure summary. This document confirms the completion of the investigation and cleanup of the reported release at the subject site.

**Site Investigation and Cleanup Summary:**

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

- 15000 parts per million (ppm) Total Petroleum Hydrocarbons as diesel (TPHd) and 2.6, 8.4 ppm ethyl benzene and xylenes (EX), respectively remain in the soil at the site.
- 3,200,000 parts per billion (ppb) TPHd, and 1500, 3200, 17000 ppb, TEX, respectively remain in groundwater at the site.

Please contact me at (510) 567-6765 with any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

enclosures: Case Closure Letter, Case Closure Summary

c/B. Chan, files (letter only)  
Mr. H. Gomez, City of Oakland OES, 1605 MLK Jr. Way,  
Oakland, CA 94612

TrLt206 2ndSt

JAN 30 2002

PB#01-0974

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

**I. AGENCY INFORMATION**

Date: ~~9/18/01~~ 1/7/02

Agency name: Alameda County-Env Health Address: 1131 Harbor Bay Parkway  
Rm 250, Alameda CA 94502

City/State/Zip: Alameda Phone: (510) 567-6700

Responsible staff person: Barney Chan Title: Hazardous Materials Spec.

**II. CASE INFORMATION**

Site facility name: Miller Packing

Site facility address: 206 2<sup>nd</sup> St., Oakland CA 94607

RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: StID 5846/  
R00000080

ULR filing date: 3/4/92, 8/6/96 SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Mr. Victor Lewkowitz	201 2 <sup>nd</sup> St. Oakland CA 94607	510-451-7200 x221

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1000 gallon	bunker oil	removed	8/6/96

**III RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: holes observed in bottom of tank

Site characterization complete? yes

Date approved by oversight agency:

Monitoring Wells installed? No Number: NA

Proper screened interval? NA

Highest GW depth: Lowest depth:  
GW encountered @ 5-6' bgs in 6/15/01 boring investigation

**Leaking Underground Fuel Storage Program**

Flow direction: assumed southerly based upon gradient found at 208 Jackson St. located across the street, see Figure 2.

Most sensitive current use: commercial/residential

Are drinking water wells affected? No      Aquifer name: NA

Is surface water affected? no

Nearest affected SW name: none

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? **Yes**      Where is report(s)?

Alameda County	and	City of Oakland OES
1131 Harbor Bay Parkway,		1605 MLK Jr. Way
Room 250, Alameda CA 94502-6577		Oakland CA 94612

**Treatment and Disposal of Affected Material:**

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tanks	1-1000 gallon	disposed @ Erickson, Richmond	8/6/96
Groundwater	2980 gallons total (From 201&206 2 <sup>nd</sup> St.)	recycled @ B C Stocking Dist Dixon, CA	8&9/96
Soil	25 cy	recycled @ Remco, Mecca, CA	8/26/96

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

<u>Contaminant</u>	<u>Soil (ppm)</u>			<u>Water (ppb)</u>	
	<u>1Before</u>	<u>2 After</u>	<u>2a</u>	<u>3Before</u>	<u>After 4</u>
TPH (Diesel)	11,000	9100	15,000	NT	3,200,000
Benzene	ND	NA	ND		ND
Toluene	ND	NA	ND		1500
Ethylbenzene	ND	NA	2.6		3200
Xylenes	1.3	NA	8.4		17000
Semi-volatiles	a		b		NR

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

- 1 original soil sample from tank removal, PF-1a taken on 8/6/96
- 2 sample PF-1n, taken on 8/23/96 after over-excavation,
- 2a soil sample IB-8 taken on 6/15/01
- 3 no groundwater sample taken
- 4 grab groundwater sample, IB-1W, taken on 6/15/01, note: IB-3W 50 feet down-gradient was ND for TPHd and BTE and 6ppb for T.

Leaking Underground Storage Fuel Program

Comments (continued)

- a) soil sample PF-1a<sub>1</sub> (8/6/96) <sup>from 5 feet bag</sup> detected phenanthrene @ 4.2 ppm, 2-methyl naphthalene @ 1.5 ppm, acenaphthene @ 0.68 ppm, Dibenzofuran @ 0.88 and fluorene @ 5.8 ppm <sup>from 4 feet bag</sup>
- b) soil sample IB-8.1, detected 6.8 ppm naphthalene, 20 ppm 2-methylnaphthalene, 15 ppm fluorene and 9.7 ppm phenanthrene

IV. CLOSURE

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

Does corrective action protect public health for current land use? YES

Site management requirements: Site should be included in the City of Oakland Permit Tracking System

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: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney M. Chan                      Title: Hazardous Materials Specialist

Signature:                       Date: 1-7-02

Reviewed by

Name: Scott Seery                      Title: Hazardous Materials Specialist

Signature:                       Date:                     

Name: Eva Chu                      Title: Hazardous Materials Specialist

Signature:                       Date: 11/15/02

**Leaking Underground Fuel Tank Program**

**VI. RWQCB NOTIFICATION**

Date Submitted to RB:

RB Response: *Concur*

RWQCB Staff Name: C. Headlee

Title: AEG

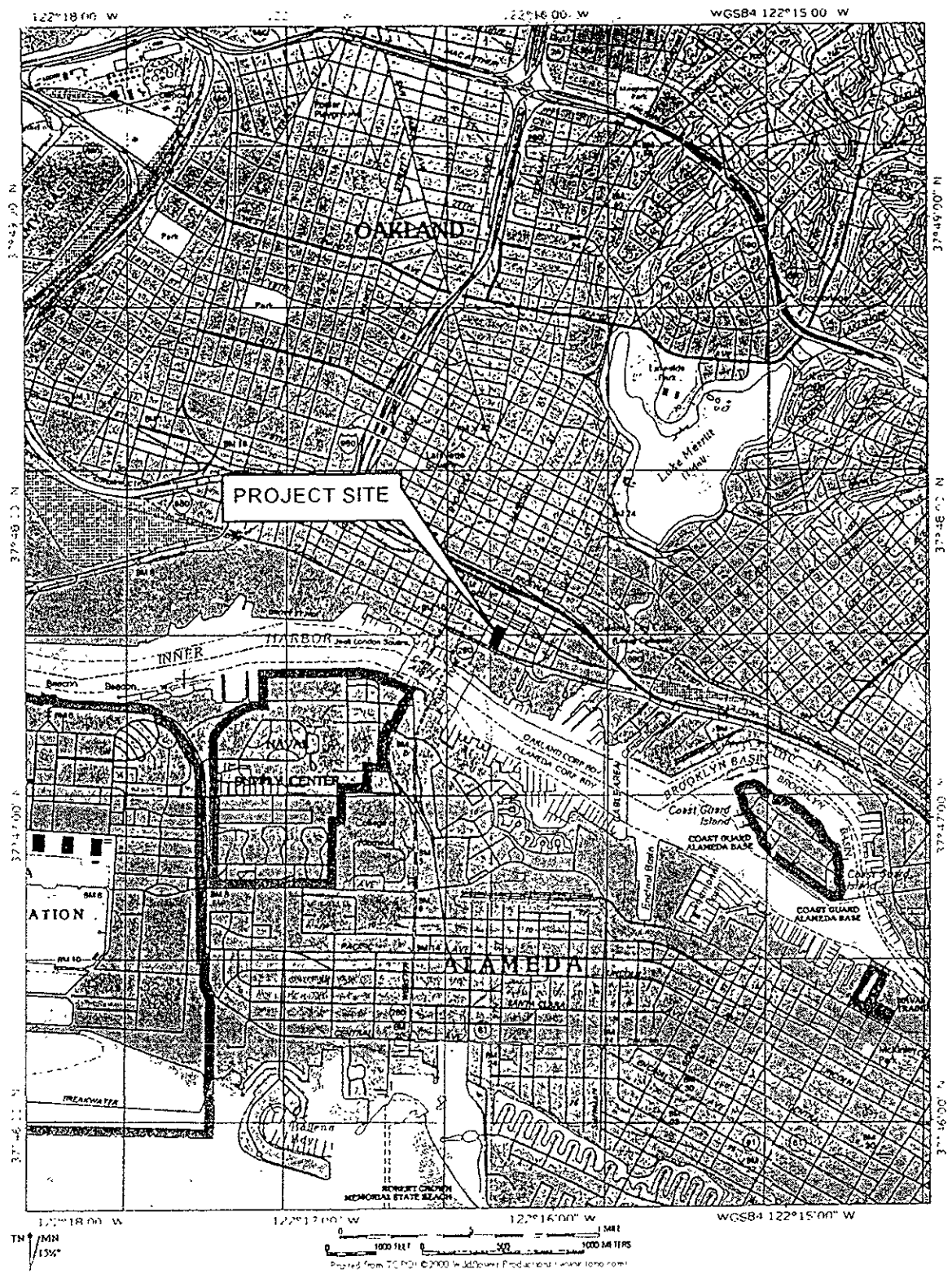
Signature:

*Cheryl Headlee*

Date: *1/15/02*

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

See attached site summary.

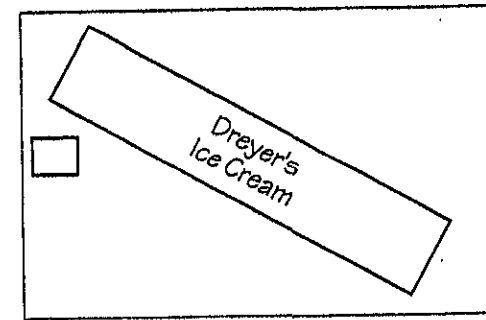
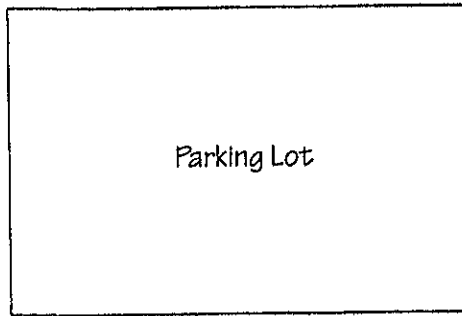
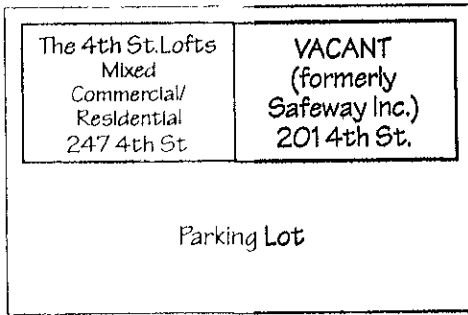


DESIGNED BY	CHECKED BY
DRAWN BY JG	SCALE
PROJECT NO 105-06-01	

**SITE VICINITY MAP**

MILLER QUALITY MEATS  
201 & 206 2ND STREET  
OAKLAND CALIFORNIA

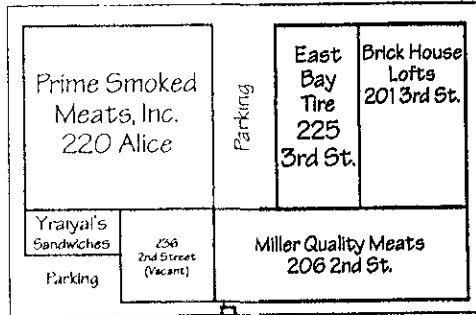
DATE 07/11/01	FIGURE 1
<b>GRIBI Associates</b>	



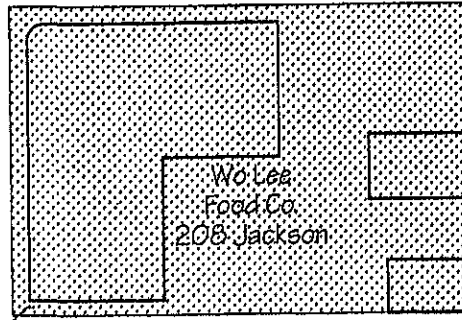
3rd Street



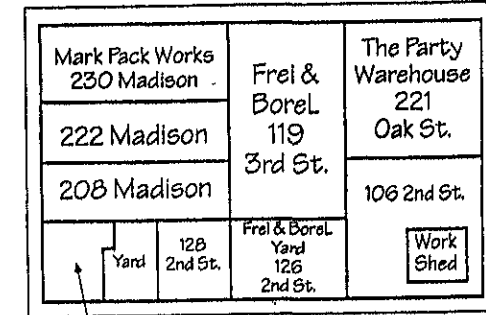
Alice Street



Jackson Street



Madison Street



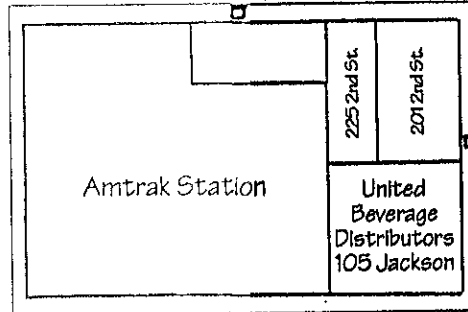
Oak Street

1000 gallon

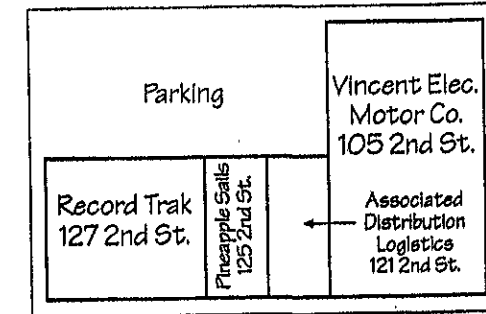
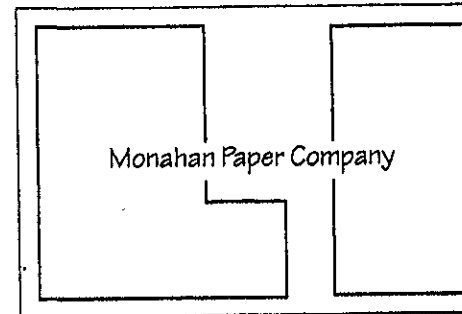
Leo Grande  
Broas Produce  
202 Madison

2nd Street

550 gallon



500 gallon



**EXPLANATION**

Subject Property



SCALE IN FEET  
(Approx.)

**ADJOINING PROPERTIES**

208 Jackson Street, Oakland, California

FIG 2

**The San Joaquin Company Inc.**

Project Number: 9401.114

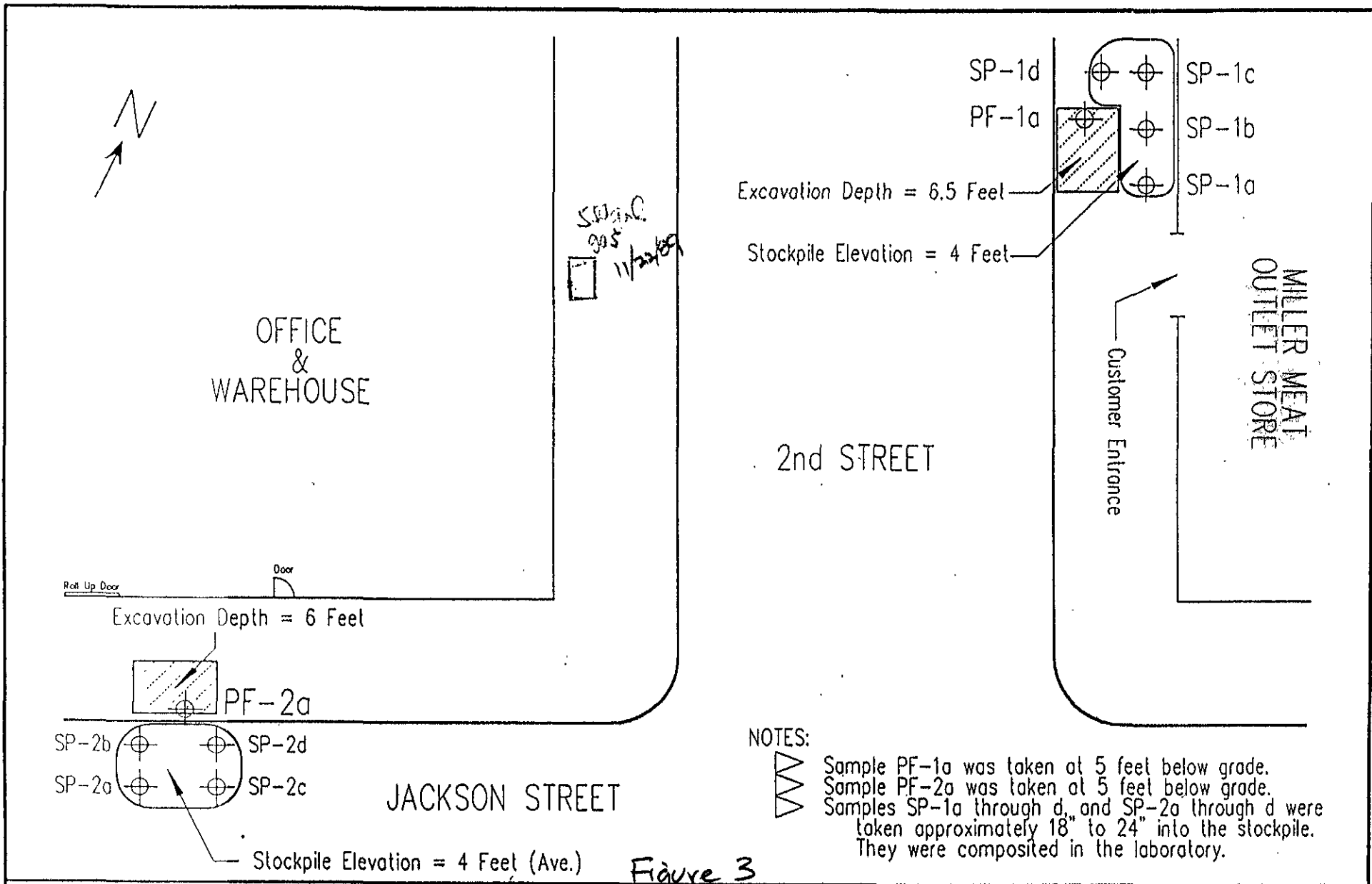
Drawn by: GNM Date: 11/15/99




Analytical Results for 8/96 Samples Taken at 206 2<sup>nd</sup> St., Oakland 94607

Soil sample	Sample date	Concentration in mg/kg (ppm)					
		TPHd	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
PF-1a	8/6/96	11,000	<0.5	<0.5	<0.5	1.3	<5.0
PNAs							
2-methyl naphthalene		1.5					
acenaphthene		0.68					
dibenzofuran		0.88					
fluorene		5.8					
phenanthrene		4.2					
SP-1a thru SP-1d	8/6/96	5000	<0.5	<0.5	<0.5	<0.5	<5.0
PF-1a	8/23/96	<1					
PF-1n	8/23/96	9100					
PF-1e	8/23/96	5700					

Data206 2ndSt

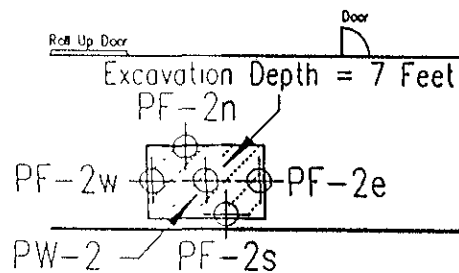


MILLER MEAT COMPANY (SCOTT CO.) 201 2nd STREET OAKLAND, CALIFORNIA	Sample Log#: 15272 DATE: 08/06/1996	 Western Environmental Science & Technology 45133 County Road 32B, Davis, CA 95616-9426 Phone: (916) 753-9500 Drawn by: Sid Paderna
	SCALE 1:240	

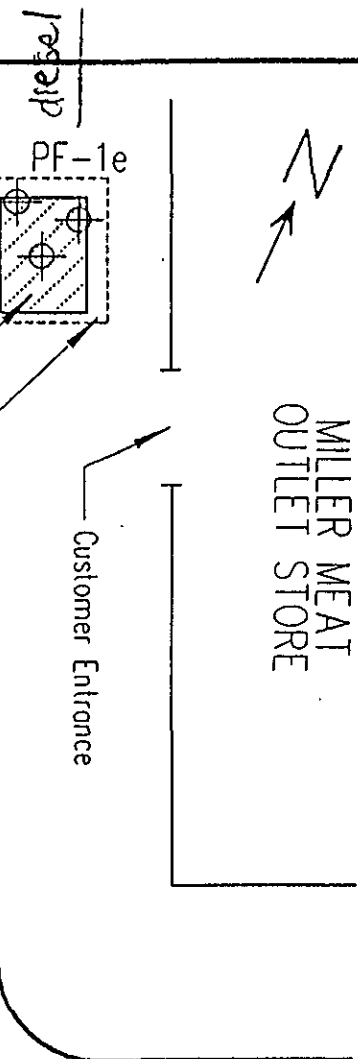
NOTES:

- ▽ Sample PF-2n was taken at 6.5 feet below grade.
- ▽ Sample PF-2e was taken at 6.5 feet below grade.
- ▽ Sample PF-2s was taken at 6.5 feet below grade.
- ▽ Sample PF-2w was taken at 6.0 feet below grade.
- ▽ Sample PW-2 was taken at 7.0 feet below grade.

OFFICE  
&  
WAREHOUSE



JACKSON STREET



MILLER MEAT  
OUTLET STORE

2nd STREET

NOTES:

- ▽ Sample PF-1n was taken at 7.0 feet below grade.
- ▽ Sample PF-1e was taken at 6.5 feet below grade.
- ▽ Sample PF-1a was taken at 10.0 feet below grade.

Figure 4

MILLER MEAT COMPANY (SCOTT CO.)  
201 2nd STREET  
OAKLAND, CALIFORNIA

Sample Log#:  
DATE: 08/23/1996  
SCALE 1:240



Western Environmental  
Science & Technology

45133 County Road 32B, Davis, CA 95616-9426

Phone: (916) 753-9500 Drawn by: Sid Paderna

201 2ND STREET  
MILLER QUALITY MEATS  
OFFICES & WAREHOUSE

550-GAL. GASOLINE UST  
EXCAVATION CAVITY  
(BACKFILLED)

IB-2

IB-3

100 FT

SIDEWALK

500-GAL. GASOLINE UST  
EXCAVATION CAVITY  
(BACKFILLED)

55 FT

IB-7

IB-5

IB-4

IB-6

JACKSON STREET

AREA EXCAVATED TO  
REPAIR WATER MAIN

IB-8

IB-1

1000-GAL. BUNKER OIL UST  
EXCAVATION CAVITY  
(BACKFILLED)

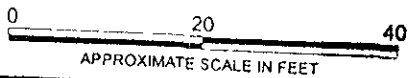
206 2ND STREET  
MILLER QUALITY MEATS  
OUTLET STORE

110 FT

SIDEWALK

2ND STREET

● - SOIL BORING LOCATION



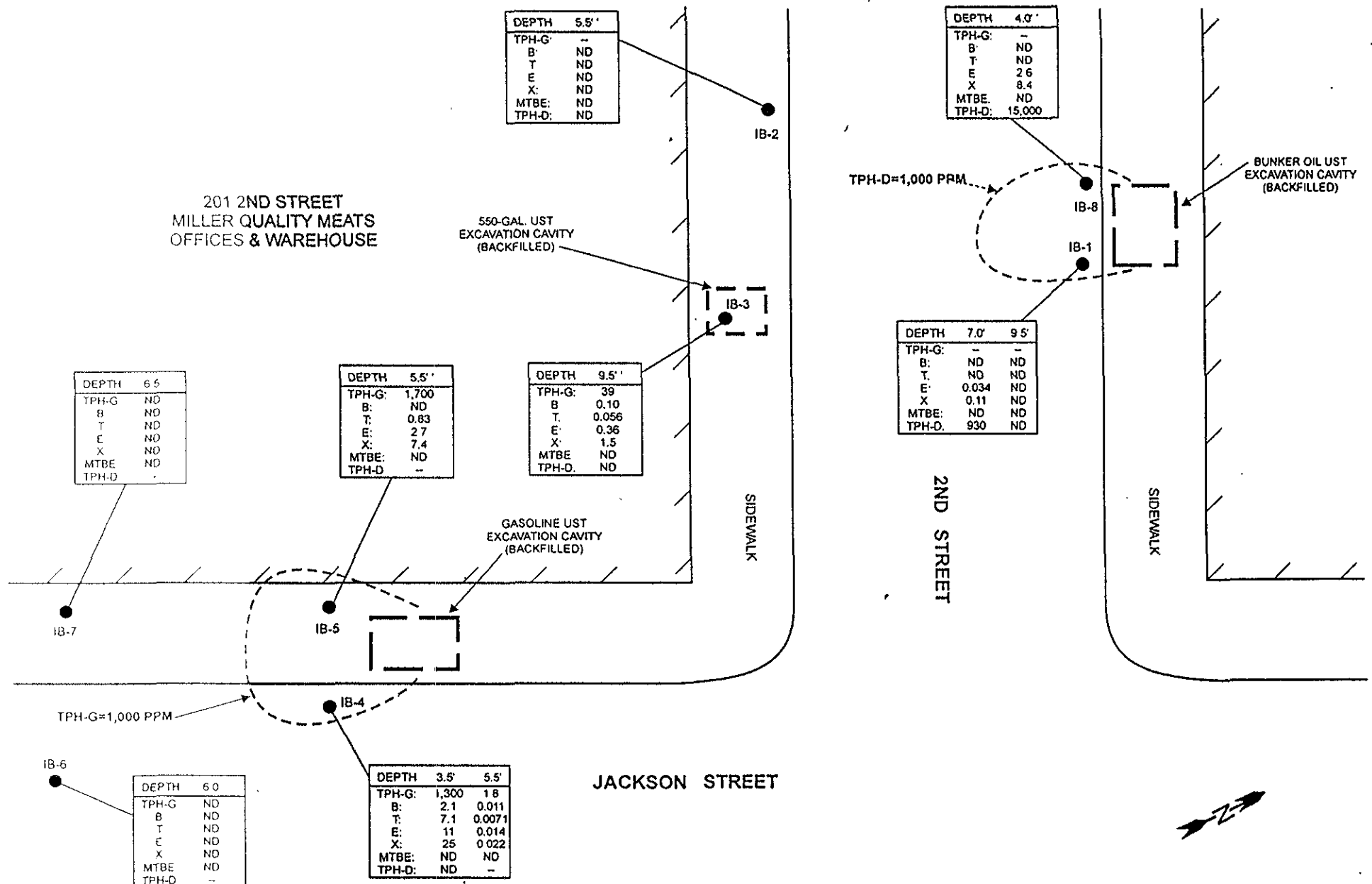
DESIGNED BY:	CHECKED BY:	SITE PLAN MILLER QUALITY MEATS 201 & 206 2ND STREET OAKLAND, CALIFORNIA	DATE: 07/11/01	FIGURE: 5
DRAWN BY: JG	SCALE:		GRIBI Associates	
PROJECT NO: 199-01-01				

201 2ND STREET  
MILLER QUALITY MEATS  
OFFICES & WAREHOUSE

550-GAL. UST  
EXCAVATION CAVITY  
(BACKFILLED)

GASOLINE UST  
EXCAVATION CAVITY  
(BACKFILLED)

BUNKER OIL UST  
EXCAVATION CAVITY  
(BACKFILLED)



DEPTH	5.5'
TPH-G:	-
B:	ND
T:	ND
E:	ND
X:	ND
MTBE:	ND
TPH-D:	ND

DEPTH	4.0'
TPH-G:	-
B:	ND
T:	ND
E:	2.6
X:	8.4
MTBE:	ND
TPH-D:	15,000

DEPTH	6.5'
TPH-G:	ND
B:	ND
T:	ND
E:	ND
X:	ND
MTBE:	ND
TPH-D:	-

DEPTH	5.5'
TPH-G:	1,700
B:	ND
T:	0.83
E:	2.7
X:	7.4
MTBE:	ND
TPH-D:	-

DEPTH	9.5'
TPH-G:	39
B:	0.10
T:	0.056
E:	0.36
X:	1.5
MTBE:	ND
TPH-D:	ND

DEPTH	7.0'	9.5'
TPH-G:	-	-
B:	ND	ND
T:	ND	ND
E:	0.034	ND
X:	0.11	ND
MTBE:	ND	ND
TPH-D:	930	ND

DEPTH	6.0'
TPH-G:	ND
B:	ND
T:	ND
E:	ND
X:	ND
MTBE:	ND
TPH-D:	-

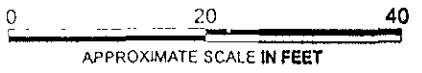
DEPTH	3.5'	5.5'
TPH-G:	1,300	1.8
B:	2.1	0.011
T:	7.1	0.0071
E:	11	0.014
X:	25	0.022
MTBE:	ND	ND
TPH-D:	ND	-

TPH-D=1,000 PPM

TPH-G=1,000 PPM

ALL UNITS IN MILLIGRAMS PER KILOGRAM (PPM).

● SOIL BORING LOCATION



DESIGNED BY:	CHECKED BY:
DRAWN BY: JG	SCALE:
PROJECT NO: 199-01-01	

SOIL HYDROCARBON RESULTS	
MILLER QUALITY MEATS 201 & 206 2ND STREET OAKLAND, CALIFORNIA	

DATE: 07/11/01	FIGURE: 6
GRIBI Associates	

201 2ND STREET  
MILLER QUALITY MEATS  
OFFICES & WAREHOUSE

DEPTH	5.0'
TPH-G:	-
B:	NO
T:	NO
E:	NO
X:	NO
MTBE:	NO
TPH-D:	0.086

IB-2

550-GAL. UST  
EXCAVATION CAVITY  
(BACKFILLED)

IB-3

DEPTH	5.5'
TPH-G:	ND
B:	ND
T:	NO
E:	NO
X:	0.00052
MTBE:	NO
TPH-D:	-

IB-7

DEPTH	5.5'
TPH-G:	0.440
B:	NO
T:	0.0040
E:	0.0028
X:	0.0060
MTBE:	ND
TPH-D:	-

IB-5

DEPTH	4.5'
TPH-G:	ND
B:	ND
T:	ND
E:	ND
X:	0.006
MTBE:	ND
TPH-D:	ND

SIDEWALK

GASOLINE UST  
EXCAVATION CAVITY  
(BACKFILLED)

2ND STREET

SIDEWALK

BUNKER OIL UST  
EXCAVATION CAVITY  
(BACKFILLED)

IB-8

IB-1

DEPTH	6.0'
TPH-G:	-
B:	ND
T:	1.5
E:	3.2
X:	17.0
MTBE:	ND
TPH-D:	3,200

JACKSON STREET

DEPTH	6.0'
TPH-G:	0.120
B:	ND
T:	0.0012
E:	0.0012
X:	0.0034
MTBE:	ND
TPH-D:	-

IB-6

DEPTH	4.5'
TPH-G:	0.190
B:	ND
T:	0.00084
E:	ND
X:	0.00088
MTBE:	ND
TPH-D:	-

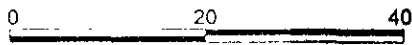
IB-4

LITER

ALL UNITS IN MILLIGRAMS PER LITER (PPM).



● - SOIL BORING LOCATION



APPROXIMATE SCALE IN FEET

DESIGNED BY:	CHECKED BY:	GROUNDWATER HYDROCARBON RESULTS MILLER QUALITY MEATS 201 & 206 2ND STREET OAKLAND, CALIFORNIA	DATE: 07/11/01	FIGURE: 7
DRAWN BY: JG	SCALE:		GRIBI Associates	
PROJECT NO: 199-01-01				

### 3.2 Results of Laboratory Analyses

Soil and water analytical results are summarized in Table 1 and on Figure 3 and Figure 4, respectively. The laboratory data report and chain-of-custody record for soil and groundwater analyses is contained in Appendix C.

Table 1 SUMMARY OF SOIL AND GRAB GROUNDWATER ANALYTICAL RESULTS 201 & 206 2 <sup>nd</sup> Street UST Site 6/01									
Sample ID	Sample Depth	Concentration (ppm)							
		TPH-D	TPH-MO	TPH-G	B	T	E	X	MTBE
Soil Samples									
IB-1.1	7.0 ft.	930	<20	--	<0.015	<0.015	0.034	0.11	<0.15
IB-1.2	9.5 ft.	<1.0	<10	--	--	--	--	--	--
IB-2.1	5.5 ft.	<1.0	<10	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
IB-3.1	9.5 ft.	<5.0 <sup>1</sup>	<10	39	0.10	0.056	0.36	1.5	<0.50
IB-4.1	3.5 ft.	<250 <sup>1</sup>	60	1,300	2.1	7.1	11	25	<5.0
IB-4.2	5.5 ft.	--	--	1.8	0.011	0.0071	0.014	0.022	<0.050
IB-5.1	5.5 ft.	--	--	1,700	<0.50	0.83	2.7	7.4	<5.0
IB-6.1	6.0 ft.	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
IB-7.1	6.5 ft.	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
IB-8.1	4.0 ft.	15,000	<200	--	<0.50	<0.50	2.6	8.4	<5.0
Grab Groundwater Samples									
IB-1W	6.0 ft <sup>2</sup>	3,200	<85.0	--	<0.500	1.5	3.2	17.0	<5.0
IB-2W	5.0 ft <sup>2</sup>	0.086	<0.100	--	<0.00050	<0.00050	<0.00050	<0.00050	<0.0050
IB-3W	4.5 ft <sup>2</sup>	<350 <sup>1</sup>	0.140	<0.250	<0.0025	<0.0025	<0.0025	0.0060	<0.025
IB-4W	4.5 ft <sup>2</sup>	--	--	0.190	<0.00050	0.00084	<0.0005	0.00088	<0.0050
IB-5W	5.5 ft <sup>2</sup>	--	--	0.440	<0.00050	0.0040	0.0028	0.0060	<0.0050
IB-6W	6.0 ft <sup>2</sup>	--	--	0.120	<0.00050	0.0012	0.0012	0.0034	<0.0050
IB-7W	5.5 ft <sup>2</sup>	--	--	<0.050	<0.00050	<0.00050	<0.00050	0.00052	<0.0050

TPH-D = Total Petroleum Hydrocarbons as Diesel  
 TPH-MO = Total Petroleum Hydrocarbons as Motor Oil  
 TPH-G = Total Petroleum Hydrocarbons as Gasoline  
 B = Benzene  
 T = Toluene  
 E = Ethylbenzene

X = Xylenes  
 MTBE = Methyl-t-Butyl Ether  
 1 = Acculabs data report states "Increased reporting limit due to gasoline range interference."  
 2 = Approximate groundwater depth below ground surface

Table 1 (Continued)



ACCULABS, INC.

Sample Log 22657

June 25, 2001

**PNA's by 8270C**

Sample Name : IB-8.1

Project Name : SC-Miller

Project Number : 110-06-01

Sample Date : 06/15/01

Date Extracted : 06/21/01

Extr. Method : EPA 3550

QC Batch : BS010610

Date Analyzed : 06/22/01

Date Received : 06/16/01

Dilution : 1:5

Sample Matrix : Soil

Lab Number : 22657-10

Parameter	MRL	Measured Conc.	Units
Naphthalene	3.4	6.8	mg/Kg
2-Methylnaphthalene	3.4	20	mg/Kg
Acenaphthylene	3.4	<3.4	mg/Kg
Acenaphthene	3.4	<3.4	mg/Kg
Fluorene	3.4	15	mg/Kg
Phenanthrene	3.4	9.7	mg/Kg
Anthracene	3.4	<3.4	mg/Kg
Fluoranthene	3.4	<3.4	mg/Kg
Pyrene	3.4	<3.4	mg/Kg
Benzo(a)anthracene	3.4	<3.4	mg/Kg
Chrysene	3.4	<3.4	mg/Kg
Benzo(b)fluoranthene	3.4	<3.4	mg/Kg
Benzo(k)fluoranthene	3.4	<3.4	mg/Kg
Benzo(a)pyrene	3.4	<3.4	mg/Kg
Indeno(1,2,3-c,d)pyrene	3.4	<3.4	mg/Kg
Dibenz(a,h)anthracene	3.4	<3.4	mg/Kg
Benzo(g,h,i)perylene	3.4	<3.4	mg/Kg
2-Fluorophenol		86	% Recovery
Phenol-d5		85	% Recovery
Nitrobenzene-d5		94	% Recovery
2-Fluorobiphenyl		93	% Recovery
2,4,6-Tribromophenol		103	% Recovery
Terphenyl-d14		90	% Recovery

MRL = Method Reporting Limit

B = Parameter detected in Method Blank.

E = Concentration exceeded calibration range.

Approved By :

  
Tom Kivela



# LOG OF WELL BORING

## GRIBI Associates

BORING NUMBER: IB-1  
 BORING LOCATION:  
     SOUTHEAST OF BUNKER UST  
 BORING TYPE: INVESTIGATIVE BORING  
 PROJECT NAME:  
     MILLER QUALITY MEATS UST SITE  
 PROJECT NUMBER: 105-06-01

START DATE: 06/15/01  
 COMPLETION DATE: 06/15/01

DRILLING CONTRACTOR: VIRONEX  
 DRILLING METHOD: DIRECT PUSH  
 BOREHOLE DIAMETER: 2-1/2 INCHES  
 COMPLETION METHOD: GROUTED  
 BORING TOTAL DEPTH: 10.0 FEET  
 GROUNDWATER DEPTH: 6.0 FEET

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & WATER LEVEL - INITIAL - FINAL	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION
						0 - 2.0 ft. Asphalt, concrete & base rock.	
5					SM	2.0 - 8.0 ft. Black to dark grey silty SAND, loose, fine to very fine grained, moist, wet below 6 feet in depth, moderate hydrocarbon odors from 6.0 ft to 8.0 ft.	
	IB-1.1	7.0 FT	█	17			
					ML	8.0 - 9.0 ft. Reddish brown sandy SILT, firm, moist to wet, slight to moderate hydrocarbon odors.	
10	IB-1.2	9.5 FT	█	0	SM	9.0 - 10.0 ft. Tan silty SAND, loose, fine to very fine grained, wet, no hydrocarbon odors or staining.	
						Total Depth 10.0 ft.	
15							
20							
25							

# LOG OF WELL BORING

## GRIBI Associates



SHEET 1 OF 1

BORING NUMBER: IB-2  
 BORING LOCATION: SOUTHWEST OF IB-8 & BUNKER UST  
 BORING TYPE: INVESTIGATIVE BORING

DRILLING CONTRACTOR: VIRONEX  
 DRILLING METHOD: DIRECT PUSH  
 BOREHOLE DIAMETER: 2-1/2 INCHES  
 COMPLETION METHOD: GROUTED  
 BORING TOTAL DEPTH: 8.0 FEET  
 GROUNDWATER DEPTH: 5.0 FEET

PROJECT NAME: MILLER QUALITY MEATS UST SITE  
 PROJECT NUMBER: 105-06-01

START DATE: 06/15/01  
 COMPLETION DATE: 06/15/01

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & WATER LEVEL ▽ - INITIAL ▽ - FINAL	USCS	LOG OF MATERIAL	PIEZOMETER WELL INSTALLATION
5	IB-2.1	5.5 FT	3	 	SM	0 - 3.0 ft. Asphalt, concrete & base rock.  3.0 - 8.0 ft. Grey to black silty SAND, loose, slightly clayey, wet at 5 feet, swampy odor, no hydrocarbon odors or staining.  Total Depth 8.0 ft.	
10							
15							
20							
25							





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

**I. AGENCY INFORMATION**

**Date: 8/6/01**

Agency name: Alameda County-Env Health Address: 1131 Harbor Bay Parkway  
Rm 250, Alameda CA 94502

City/State/Zip: Alameda Phone: (510) 567-6700

Responsible staff person: Barney Chan Title: Hazardous Materials Spec.

**II. CASE INFORMATION**

Site facility name: Miller Packing

Site facility address: 206 2<sup>nd</sup> St., Oakland CA 94607

RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: StID 5846/  
R00000080

ULR filing date: 3/4/92, 8/6/96 SWEEPS No: **N/A**

**Responsible Parties:                      Addresses:                      Phone Numbers:**

Mr. Victor Lewkowitz                      201 2<sup>nd</sup> St.                      510-451-7200 x221  
Oakland CA 94607

<b><u>Tank No:</u></b>	<b><u>Size in gal.:</u></b>	<b><u>Contents:</u></b>	<b><u>Closed in-place or removed?:</u></b>	<b><u>Date:</u></b>
1	1000 gallon	bunker oil	removed	8/6/96

**III RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: holes observed in bottom of tank

Site characterization complete? yes

Date approved by oversight agency:

Monitoring Wells installed? No              Number: NA

Proper screened interval? NA

Highest GW depth:                      Lowest depth:  
GW encountered @ 5-6' bgs in 6/15/01 boring investigation

**Leaking Underground Fuel Storage Program**

Flow direction: assumed southerly based upon gradient found at 208 Jackson St. located across the street, see Figure 2.

Most sensitive current use: commercial/residential

Are drinking water wells affected? No      Aquifer name: NA

Is surface water affected? no

Nearest affected SW name: none

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? **Yes**      Where is report(s)?

Alameda County	and	City of Oakland OES
1131 Harbor Bay Parkway,		1605 MLK Jr. Way
Room 250, Alameda CA 94502-6577		Oakland CA 94612

**Treatment and Disposal of Affected Material:**

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tanks	1-1000 gallon	disposed @ Erickson, Richmond	8/6/96
Groundwater	2980 gallons total (From 201&206 2 <sup>nd</sup> St.)	recycled @ B C Stocking Dist Dixon, CA	8&9/96
Soil	25 cy	recycled @ Remco, Mecca, CA	8/26/96

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

<u>Contaminant</u>	<u>Soil (ppm)</u>			<u>Water (ppb)</u>	
	<u>1Before</u>	<u>After2</u>	<u>*15,000</u>	<u>3Before</u>	<u>After 4</u>
TPH (Diesel)	11,000	9100	*15,000	NT	3,200,000
Benzene	ND	NA	ND		ND
Toluene	ND	NA	ND		1500
Ethylbenzene	ND	NA	2.6		3200
Xylenes	1.3	NA	8.4		17000
Semi-volatiles in <sup>soil</sup> sample PF-1a (8/9/96)					
Phenanthrene @ 4.2, 2-methyl naphthalene @ 1.5, acenapthene @0.68					
Dibenzofuran @ 0.88 and fluorene @ 5.8 ppm					

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

- 1 original soil sample from tank removal, PF-1a
- 2 sample PF-1n, taken on 8/23/96 after over-excavation,  
\* sample IB-8 taken on 6/15/01 - *PHAs?*
- 3 no groundwater sample taken
- 4 grab groundwater samples, IB-1W taken on 6/15/01, IB-3W 50 feet down-gradient was ND for TPHd and BTE and 6ppb for T.

**Leaking Underground Fuel Storage Tank Program**

**IV. CLOSURE**

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

Does corrective action protect public health for current land use? YES

Site management requirements: Site should be included in the City of Oakland Permit Tracking System

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: None

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Barney M. Chan Title: Hazardous Materials Specialist

Signature: Date:

**Reviewed by**

Name: Susan Hugo Title: Acting Supervisor

Signature: Date:

Name: Eva Chu Title: Hazardous Materials Specialist

Signature: *u* Date:

**VI. RWQCB NOTIFICATION**

Date Submitted to RB: RB Response:

RWQCB Staff Name: C. Headlee Title: AEG

Signature: Date:

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

See attached site summary.

Site summary for 206 2<sup>nd</sup> St., Oakland CA 94607, Miller Packing  
StID # 5846/ RO0000080

The Miller Packing facility occupies both addresses of 201 2<sup>nd</sup> St. and 206 2<sup>nd</sup> St., Oakland, on the northwest and southwest corners of the intersection of 2<sup>nd</sup> and Jackson St. ~~At 206 2<sup>nd</sup> St. is~~ the retail sales store is <sup>located</sup> on the north side of the street, and on the south is 201 2<sup>nd</sup> St., the office and warehouse. See **Figure 1 for the general site location and Figure 2 for the location of the USTs and identification of neighboring business.** A 500 gallon gasoline tank from 201 2<sup>nd</sup> St. and a 1000 gallon bunker oil tank was removed from 206 2<sup>nd</sup> St. on August 6, 1996. Because the properties are at two addresses and both experienced a release from underground tank(s), each address is a listed local oversight program site. The subsurface investigation was done collectively for both addresses. <sup>(LSP)</sup> Therefore, there are data overlaps, but pertinent data will be highlighted in our recommendation of closure for each address.

On August 6, 1996, the 1000 gallon bunker oil tank from 206 2<sup>nd</sup> St. was removed. On August 5, 1996, approximately 750 gallons of residual fuel and water was removed from this tank. An additional 500 gallons of water, which entered the tank subsequently, was removed just prior to the tank removal. Upon inspection, holes beneath the bunker oil tank were observed. A soil sample (PF-1a) was collected at 5' bgs from the northern sidewall of the tank pit. In addition, a four-point composite of the spoils (SP-1a,b,c,d) was collected. Soil sample PF-1a exhibited 11,000 ppm diesel and low levels of PNAs. The composite exhibited 5000 ppm diesel. Based upon these results, it was decided to perform limited over-excavation. On August 23, 1996 over-excavation, to the extent possible, was performed in conjunction with purging of groundwater. Approximately 25 cubic yards was removed from the sidewalls and bottom of the pit, and soil samples from the north wall (PF-1n), east wall (PF-1e) and pit bottom, <sup>also named</sup> (PF-1a) were taken. See **Figures 3 and 4 for the location of these samples and the attached data table.** Although elevated levels of TPHd were still present in the sidewalls of the pit, no further excavation was practical given the presence of the street and buildings.

2 PF-1a samples?  
Yes

On June 15, 2001 a subsurface investigation on both Miller Packing sites was performed. Geoprobe borings IB-1 and IB-8 were advanced south of the former bunker oil tank and soil and grab groundwater samples <sup>were</sup> collected. Groundwater gradient is assumed to be southerly, the same as that determined at 208 Jackson St. located diagonally across the street from this site. See **Figure 5 for the boring locations.** The soils encountered in these borings were very similar. Below the asphalt cap and base rock, sandy silt or silty sand <sup>was</sup> encountered. **The boring logs of IB-1 through IB-3 are attached.** Groundwater was encountered at approximately 5' bgs. The soil samples were collected just above groundwater. During the advancement of boring IB-8 an unmarked water line was struck which flooded the area until it could be repaired. Therefore, a groundwater sample was not collected from this boring. The soil sample from borehole IB-8 collected at 4' bgs exhibited 15,000 ppm TPHd. Lesser concentrations were exhibited in boring IB-1. The borings down-gradient across the street, IB-2 and IB-3, were ND for diesel. Low levels of PNAs were detected in soil sample IB-8. All PNA concentrations were below their respective industrial PRGs. Groundwater was not run for PNAs, however, given the relative insolubility and non-volatile nature of PNA's, the risk from PNA's in groundwater is considered negligible.



See Table 1 for a summary of the analytical results and Figures 6 and 7 illustrating these soil and groundwater concentrations.

Site closure is recommended based upon the following:

- The sources have been removed including the underground tanks, impacted soil and groundwater.
- The site has been adequately characterized with geoprobe borings, soil and grab groundwater samples.
- The extent of the hydrocarbon plume is limited in extent. Residual contamination remains near the former UST and in 2<sup>nd</sup> St, however, soil and groundwater 50' down-gradient of the former tank is ND for TPHd in soil and <350 ppb in groundwater.
- The former UST contained bunker C fuel, a fairly immobile contaminant. The extent of the contamination is limited to the sidewalk and part of the adjacent street, therefore, potential human health risk is limited to subsurface commercial workers.
- No sensitive receptors have been identified near this site.
- A Risk Management Plan (13) provided to deal with potential generation and exposure to residual TPHd in soil and groundwater should subsurface work occur in the area within and adjacent to the former bunker oil tank.

where is it?

Oakland RBCA ?

TPH conc. vs. RWQCB RBSCs - Kosker ?

TPHd explanation: 3,200,000

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

**I. AGENCY INFORMATION**

**Date:**

Agency name: Alameda County-Env Health Address: 1131 Harbor Bay Parkway  
Rm 250, Alameda CA 94502

City/State/Zip: Alameda Phone: (510) 567-6700

Responsible staff person: Barney Chan Title: Hazardous Materials Spec.

**II. CASE INFORMATION**

Site facility name: *Miller Packing*

Site facility address: *206 2nd St Oakland 94607*

RB LUSTIS Case No: *N/A* Local Case No./LOP Case No.: *5846/R0000080*

ULR filing date: *3/4/92* SWEEPS No: *N/A*

Responsible Parties: *8/6/96* Addresses: Phone Numbers:  
*Mr Victor Lewkowitz* *201 2nd St* *510-451-7200 x221*

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1000	Bunker oil	R	8/6/96

**III RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: *holes observed in bottom of UST*

Site characterization complete? yes

Date approved by oversight agency:

Monitoring Wells installed? *No* Number:

Proper screened interval?

Highest GW depth: Lowest depth:  
*GW encountered @ 5-6' bgs in 2/15/01 drilling*

**Leaking Underground Fuel Storage Program**

Flow direction: *Assumed southerly based on gradient found at 208 Jackson St, directly across the street, See Fig.*

Most sensitive current use: *Commercial*

Are drinking water wells affected? *No* Aquifer name: NA

Is surface water affected? *No*

Nearest affected SW name: *NA*

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? **Yes** Where is report(s)?

Alameda County and City of Oakland OES  
 1131 Harbor Bay Parkway, 1605 MLK Jr. Way  
 Room 250, Alameda CA 94502-6577 Oakland CA 94612

**Treatment and Disposal of Affected Material:**

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tanks	1-1000	D @ Enchusen & Richmond	8/6/96
Groundwater	2980 gallons from 201 + 206 2nd St	R @ B.C. Stocking Dist Dixon, CA	8/9/96
Soil	25 cu	R @ Remco, Mecca CA	8/26/96

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

Contaminant	Soil (ppm)		Water (ppb)	
	1 Before	After 2	3 Before	After 4
TPH (Gas) D	11000	9100	15000	NT
Benzene	ND	NA	ND	3,200,000
Toluene	ND	NA	ND	ND
Ethylbenzene	ND	NA	ND	1500
Xylenes	1.3	NA	2.6	3200
MTBE	1.3	NA	8.4	(1700)
Semi volatiles	1.3	NA	8.4	
Lead				
	1,2-dichlorobenzene	4.2	miss	ND
	2-methyl naphthalene	1.5		
	Acenaphthene	0.68		
	Dibenzofuran	0.88		
	Fluorene	5.8		

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

- 1 original soil sidewall samples from tank removal PF-1a
- 2 PF-1a 8/23/96 after over-excavation (#) Sample 1B-8
- 3 No water sample taken
- 4 Grab SW sample IB-1W

**Leaking Underground Fuel Storage Tank Program**

**IV. CLOSURE**

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

Does corrective action protect public health for current land use? YES

Site management requirements:

Should corrective action be reviewed if land use changes?

Monitoring wells Decommissioned:

Number Decommissioned:                      Number Retained:

List enforcement actions taken: None

List enforcement actions rescinded: None

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Barney M. Chan                      Title: Hazardous Materials Specialist

Signature:                                      Date:

**Reviewed by**

Name: Susan Hugo                      Title: Acting Supervisor

Signature:                                      Date:

Name: Eva Chu                      Title: Hazardous Materials Specialist

Signature:                                      Date:

**VI. RWQCB NOTIFICATION**

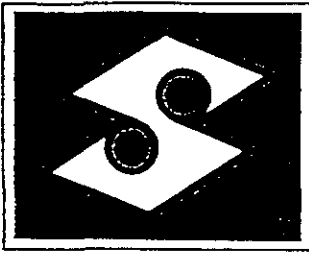
Date Submitted to RB:                      RB Response:

RWQCB Staff Name: C. Headlee              Title: AEG

Signature:                                      Date:

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

See attached site summary.



**SCOTT CO.**

MECHANICAL CONTRACTORS  
1717 Doolittle Drive  
P.O. Box 5555  
San Leandro, California 94577-0655  
(510) 895-2333

Contractors License No. 184480

## **SAFETY PLAN**

TANK REMOVAL AT:

**MILLER MEAT PACKING COMPANY  
206 2ND STREET, OAKLAND, CALIFORNIA 94607**

GENERAL CONTRACTOR:	Scott Co. of California 1717 Doolittle Drive San Leandro, CA 94555
PROJECT MANAGER:	Paul Ferreira
SITE SAFETY COORDINATOR:	William McCarthy
ALTERNATES:	Tony Fontana Joe Madison

Mr. McCarthy will have in his possession two A:B:C: rated fire extinguishers and Type C protective clothing. Also, he will have a first aid kit and telephone numbers of nearest medical facilities. Scott Co. personnel will have respirators on site should an emergency occur.

Upon arrival at the site, Scott Co. personnel will set up physical barriers around the trench. Fire extinguishers and first aid kit will be set out in an appropriate, accessible spot.

The explosion meter that can detect the level of oxygen and hydrocarbon will be supplied by the contractor and operated by Mr. McCarthy. Thirty pounds of dry ice per 1,000 gallons of tank capacity will be applied to render the tank inert.

All Scott Co. Environmental personnel have received 40 hours of OSHA Training, thus providing them with the knowledge and skills necessary to perform hazardous waste operations with minimal risk to their safety and health.

SAFETY PLAN  
(Continued)

Scott Co. has a policy in which all State certified Environmental personnel are required to have annual physicals to certify them for use of respirators. These records are maintained in our office.

The site will be controlled to reduce the possibility of environmental incidents involving hazardous substances by:

- setting up security and physical barriers to exclude unnecessary personnel from the general area, and
- minimizing the number of personnel and equipment on-site consistent with effective operations.

All tools used at the underground storage tank removal are cleaned on site by tapping and/or scrapping excess dirt and/or petroleum product onto the spoils pile.

If any questions should arise in reference to this safety plan, please contact Paul Ferreira at (510) 895-2333, extension 385.

# SCOTT CO. OF CALIFORNIA

## SAFETY & HEALTH RISK ANALYSIS

Mechanical Hazards	<u>  X  </u>
Electrical Hazards	<u>  X  </u>
Chemical Hazards	<u>  X  </u>
Temperature Hazards	<u>  X  </u>
Acoustical Hazards	<u>  X  </u>
Confined Space Hazards	<u>  X  </u>
Radiation Hazards	<u>      </u>
Bio Hazards	<u>      </u>

Should any of the above hazards exist, the following procedures to mitigate hazards will take effect.

### MECHANICAL HAZARDS

- \* Do not stand near backhoe buckets and earth moving equipment.
- \* Verify that all equipment is in good condition.
- \* Do not stand or walk under elevated loads of ladders.
- \* Do not stand near unguarded excavation and trenches.
- \* Do not enter excavation or trenches over 5 feet deep that are not properly guarded, shored, or sloped
- \* Consult DHSO if other mechanical hazards exist.

# SCOTT CO. OF CALIFORNIA

## SAFETY & HEALTH RISK ANALYSIS

(Continued)

### TEMPERATURE HAZARDS

#### Heat Stress

- \* When temperature exceeds 70°F, take frequent breaks in shaded area. Unzip or remove coveralls during breaks. Have cool water or electrolyte replenishment solution available. Drink small amounts frequently to avoid dehydration. Count the pulse rate for 30 seconds as early as possible in the rest period. If the pulse rate exceeds 110 beats per minute at the beginning of the rest period, shorten the work cycle by one-third.

#### Cold Stress

- \* Wear multilayer cold weather outfits. The outer layer should be of wind resistant fabric.
- \* 0°F to -30°F total work time is 4 hours. Alternate 1 hour in and 1 hour out of the low temperature area. Below -30°F, consult industrial hygienist.
- \* Drink warm fluid. Provide warm shelter for resting. Use buddy system. Avoid heaving sweating.

### ACOUSTICAL HAZARDS

- \* Use earplugs or earmuffs when noise level prevents conversation in normal voice at distance of three feet.

### O<sub>2</sub> DEFICIENCY - CONFINED SPACE HAZARDS

- \* Confined spaces include trenches, pits, sumps, elevator shafts, tunnels, or any other area where circulation of fresh air is restricted or ability to readily escape from the area is restricted. Consult DHSO and Corporate Health and Safety Policy prior to entering confined space.
- \* Obtain permit for confined space entry.
- \* At least one person must be on standby outside the confined space who is capable of pulling workers from confined space in an emergency
- \* Work involving the use of flame, arc spark, or other source of ignition is prohibited within confined space



## CHEMICAL HAZARDS

### • Diesel/Gasoline/Waste Oil

- \* Materials contain constituents such as Benzene, Toluene, and Xylene which are known or suspected carcinogens and have caused cancer in laboratory animals.
- \* Exposure to concentrations of materials should be avoided.
- \* Avoid contact with skin where personal protective equipment such as gloves, and eye protection are not used.
- \* Prolonged exposure can cause dizziness, nausea, shortness of breath, and headaches and/or all of the above.