

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT
02-17-06

February 14, 2006

Ms. Madelyn Massey
Tracy Federal Bank
1003 Central Avenue
Tracy, CA 95376

Mr. Tyler Abbot
Santini Foods, Inc.
16505 Worthley Drive
San Lorenzo, CA 94580

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

Property Manager
Intertrade Import-Export, Inc.
16505 Worthley Drive
San Lorenzo, CA 94580

Dear Ms. Massey, Mr. Abbot, and Property Manager for Intertrade Import-Export:

Subject: Fuel Leak Site Case Closure; Cut and Ready Foods, 16505 Worthley Drive, San Lorenzo, CA; Case No. RO0000176

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

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Residual concentrations of up to 260 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons as diesel remain in soil at the site.
- Residual concentrations of up to 190 micrograms per liter ($\mu\text{g/L}$) of total petroleum hydrocarbons as diesel remain in groundwater at the site.
- Residual concentrations of up to 72 $\mu\text{g/L}$ of tert-butyl alcohol remain in groundwater at the site.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.
LOP and Toxics Program Manager

Enclosures:

1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Bruce T.H. Liu
Santini Foods
16505 Worthley Drive
San Lorenzo, CA 94580

Jerry Wickham (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)



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REMEDIAL ACTION COMPLETION CERTIFICATE

Dear Ms. Massey, Mr. Abbot, and Property Manager for Intertrade Import-Export:

Subject: Fuel Leak Site Case Closure; Cut and Ready Foods, 16505 Worthley Drive, San Lorenzo, CA; Case No. RO0000176

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 tank(s) 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, 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 the 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) at the site is required.

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

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

Sincerely,


Mee Ling Tung
Director
Alameda County Environmental Health

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

I. AGENCY INFORMATION

Date: February 3, 2006

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Cut and Ready Foods		
Site Facility Address: 16505 Worthley Drive, San Lorenzo, CA 94580		
RB Case No.: 01-0472	Local Case No.: 5009	LOP Case No.: RO0000176
URF Filing Date: 08/08/1988	SWEEPS No.: ---	APN: 438-0010-004-15
Responsible Parties	Addresses	Phone Numbers
Madelyn Massey	Tracy Federal Bank, 1003 Central Avenue, Tracy, CA 95376	510-687-9100
Tyler Abbot	Santini Foods, Inc., 16505 Worthley Drive, San Lorenzo, CA 94580	510-317-8888
Intertrade Import-Export, Inc.	16505 Worthley Drive, San Lorenzo, CA 94580	Not known

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1 – Area A	10,000 gallons	Gasoline	Removed	6/23/1988
2 – Area A	5,000 gallons	Gasoline	Removed	6/23/1988
3 – Area B	5,000 gallons	Diesel	Removed	6/23/1988
4 – Area B	2,000 gallons	Diesel	Removed	6/23/1988
Piping			Removed	6/23/1988

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. No holes, cracks, or other signs of failure were observed in three of the four tanks during removal. The 5,000-gallon diesel tank from Area B was visibly corroded and had multiple small holes on the underside of UST.		
Site characterization complete? Yes	Date Approved By Oversight Agency: ----	
Monitoring wells installed? Yes	Number: 7	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 4 ft. bgs	Lowest Depth: 16 feet bgs	Flow Direction: Southwest to northeast
Most Sensitive Current Use: Drinking water source.		

Summary of Production Wells in Vicinity: Based on well survey conducted for adjacent site at 16525 Worthley Drive, no water supply wells are within 1/2-mile of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Francisco Bay 3,000 feet west of site
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	4 Tanks	Transported to H&H Ship, 220 China Basin, San Francisco, CA for disposal	06/23/1988
Piping	Not reported	Removed from site, destination not reported	06/23/1998
Free Product	9,500 gallons	Rinsate was transported to H&H Ship, 220 China Basin, San Francisco, CA for disposal	06/16/1988
Soil	36 cubic yards	Casmalia Resources, MTU Road, Casmalia, CA	07/27/1988
Groundwater	Not reported	--	--

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 7 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	4,100(1)	<10(1)	3,100(2)	<50(2)
TPH (Diesel)	16,000(1)	260(1)	51,000(2)	190(2)
TPH (Motor Oil)	120	120	<10	<10
Oil and Grease	NA	NA	NA	NA
Benzene	<0.2	<0.2	1.6(2)	<0.5(2)
Toluene	170	170	3.3(2)	<0.5(2)
Ethylbenzene	<0.2	<0.2	2.5(2)	<0.5(2)
Xylenes	400	400	10(2)	<1(2)
Heavy Metals	15(3)	15(3)	25(4)	25(4)
MTBE	<5(5)	<5(5)	72(6)	72(6)
Other (8240/8270)	ND(7)	ND(7)	0.9(8)	0.9(8)

- (1) The maximum concentrations before cleanup were detected in composite soil samples collected from the soil stockpile. The maximum concentrations after cleanup were from native soil samples in the sidewalls of the excavation or soil samples collected from soil borings.
- (2) The maximum concentrations before cleanup were detected in a grab groundwater sample collected directly from the tank pit during tank removal. The maximum concentrations after cleanup were from groundwater samples collected from monitoring wells.
- (3) Total lead; no other metals analysis conducted.
- (4) Total lead detected in a grab groundwater sample collected directly from the tank pit excavation. No other lead analyses conducted for groundwater.
- (5) No fuel oxygenates detected in one soil sample from boring SB-1 10'.
- (6) TBA = 72 ppb; MTBE = 1.8 ppb; DIPE = <0.5 ppb; ETBE = <0.5 ppb; TAME = <0.5 ppb.
- (7) Halogenated VOCs, SVOCs, pesticides, and PCBs not detected in soil samples with various detection limits.
- (8) 0.9 ppb 1,2-dichloroethane detected in groundwater sample from MW-1; EDB = <0.5 ppb. No halogenated VOCs, SVOCs, pesticides, or PCBs detected in groundwater with various detection limits.

Site History and Description of Corrective Actions:

Underground storage tanks (USTs) were removed from two areas of the site on June 23, 1988. Two gasoline USTs were removed from Area A and two diesel USTs were removed from Area B, which is approximately 400 feet southeast of Area A. Prior to tank removal (in July 1987), 13 soil borings were advanced at the site as part of a Phase I field investigation. Seven of the borings were converted to monitoring wells. Groundwater was first encountered at depths of 9.5 to 16 feet below ground surface (bgs) within a clay layer extending from approximately 5 feet bgs to the total depth of the borings (20 to 25 feet bgs). Since the depth to groundwater after well development ranged from 6.1 to 7.4 feet bgs, it appears that groundwater is semi-confined. Soil samples collected at various depths (5, 10, or 15 feet bgs) in the soil borings were analyzed for total extractable petroleum hydrocarbons (TEPH) and BTEX. Analytical results were non-detect except for detections of 13 ppm and 36 ppm of TEPH as motor oil in DH-4 at 10 feet bgs and MW-5 at 15 feet bgs, respectively. Initial analytical results for groundwater samples from July 1987 were unremarkable except 0.9 ppm of 1,2-dichloroethane was detected in groundwater collected from MW1.

Subsequent to investigations in 1987 and 1988, groundwater from monitoring wells MW1 through MW6 was sampled for four quarters from December 1994 through October 1995. Groundwater flow direction has fluctuated from southwest to northeast. Groundwater samples were analyzed for TPHg, TPHd, and BTEX. MW1 was also analyzed for halogenated VOCs during the October 1995 sampling event. Analytical results were non-detect for all constituents except for 190 ppb of TPHd detected in groundwater from well MW4 during December 1994.

Since it does not appear that soil or groundwater have been significantly impacted from past releases of petroleum hydrocarbons from the former USTs, no further action is warranted at this site.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes No		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes No		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 7	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

Elevated concentrations of TPHg and TPHd were detected in grab groundwater samples collected from the gasoline and diesel UST tank pit excavations. Based on the general absence of TPHg and TPHd in groundwater collected from the surrounding monitoring wells, the elevated concentrations of TPHg and TPHd detected in the grab groundwater samples are not representative of dissolved phase concentrations in groundwater in the area.

Tert-butyl alcohol (TBA) was detected at a concentration of 72 micrograms per liter in a grab groundwater sample collected immediately west of the former gasoline USTs. Based on the general absence of other fuel constituents in nearby monitoring wells, the extent of elevated concentrations of TBA in groundwater is probably limited to the area of the former tank pit excavation.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: <i>Jerry Wickham</i>	Date: 02/03/06
Approved by: Danna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: <i>Danna L. Drogos</i>	Date: 02/03/06

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: <i>Cherie McCaulou</i>	Title: Associate Water Resources Control Engineer
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 02/03/06
Signature: <i>Cherie McCaulou</i>	Date: 2/7/06

VIII. Monitoring Well Decommissioning

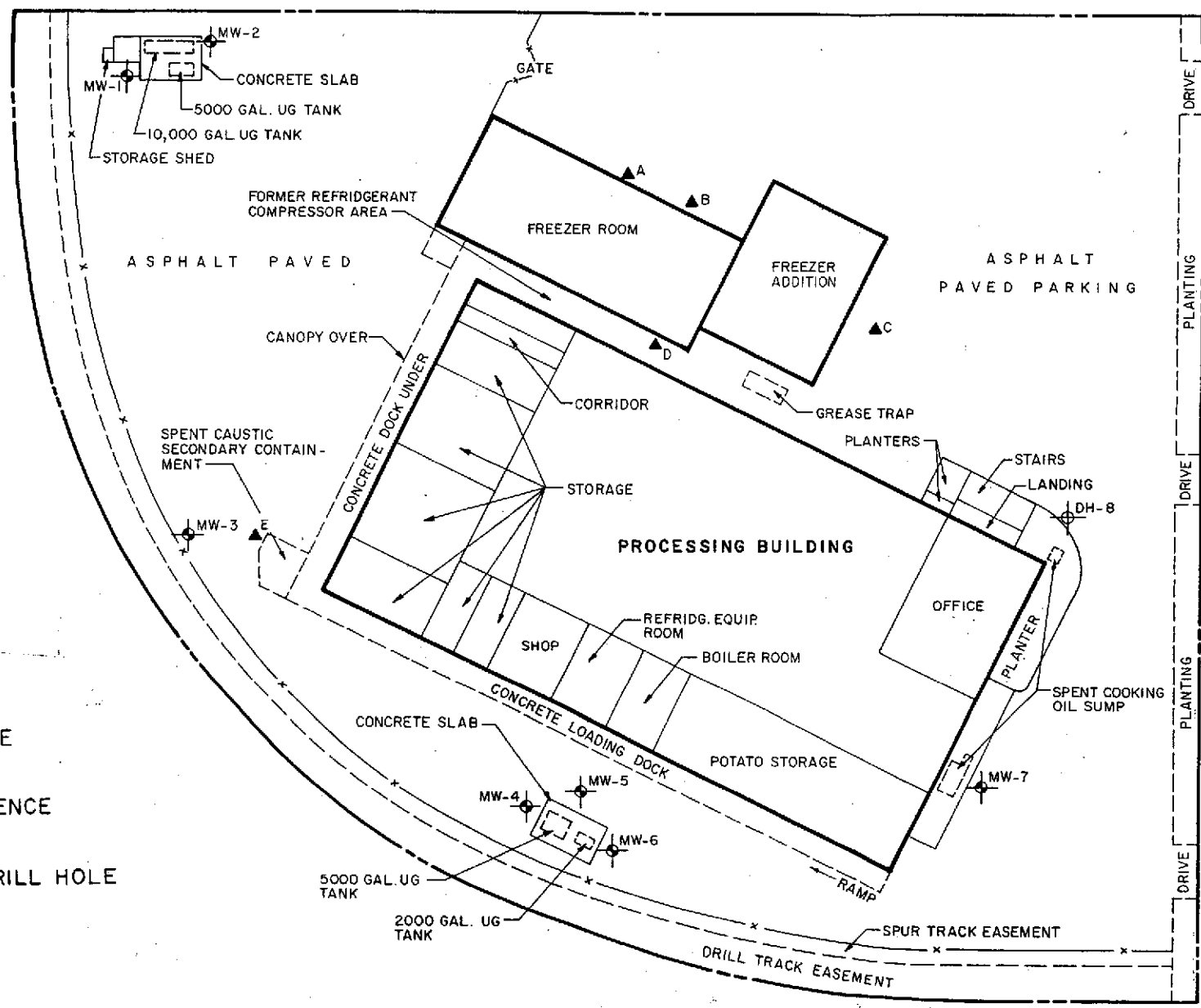
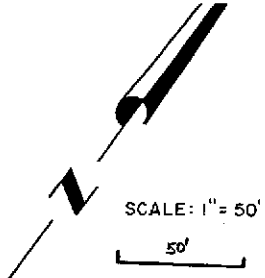
Date Requested by ACEH: Decommissioned prior to request	Date of Well Decommissioning Report: 12/18/2000	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 7	Number Retained: 0
Reason Wells Retained: No wells retained		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>Jerry Wickham</i>	Date: 02/07/06	

Attachments:

Attachments:

1. Site Location Map
2. Site Maps
3. Gasoline UST Pit Sample Data
4. Diesel UST Pit Sample Data
5. Groundwater Monitoring Results; Chemical Analyses of Soil and Groundwater Samples; Soil Sample Analytical Data; and Groundwater Sample Analytical Data
6. Boring Logs

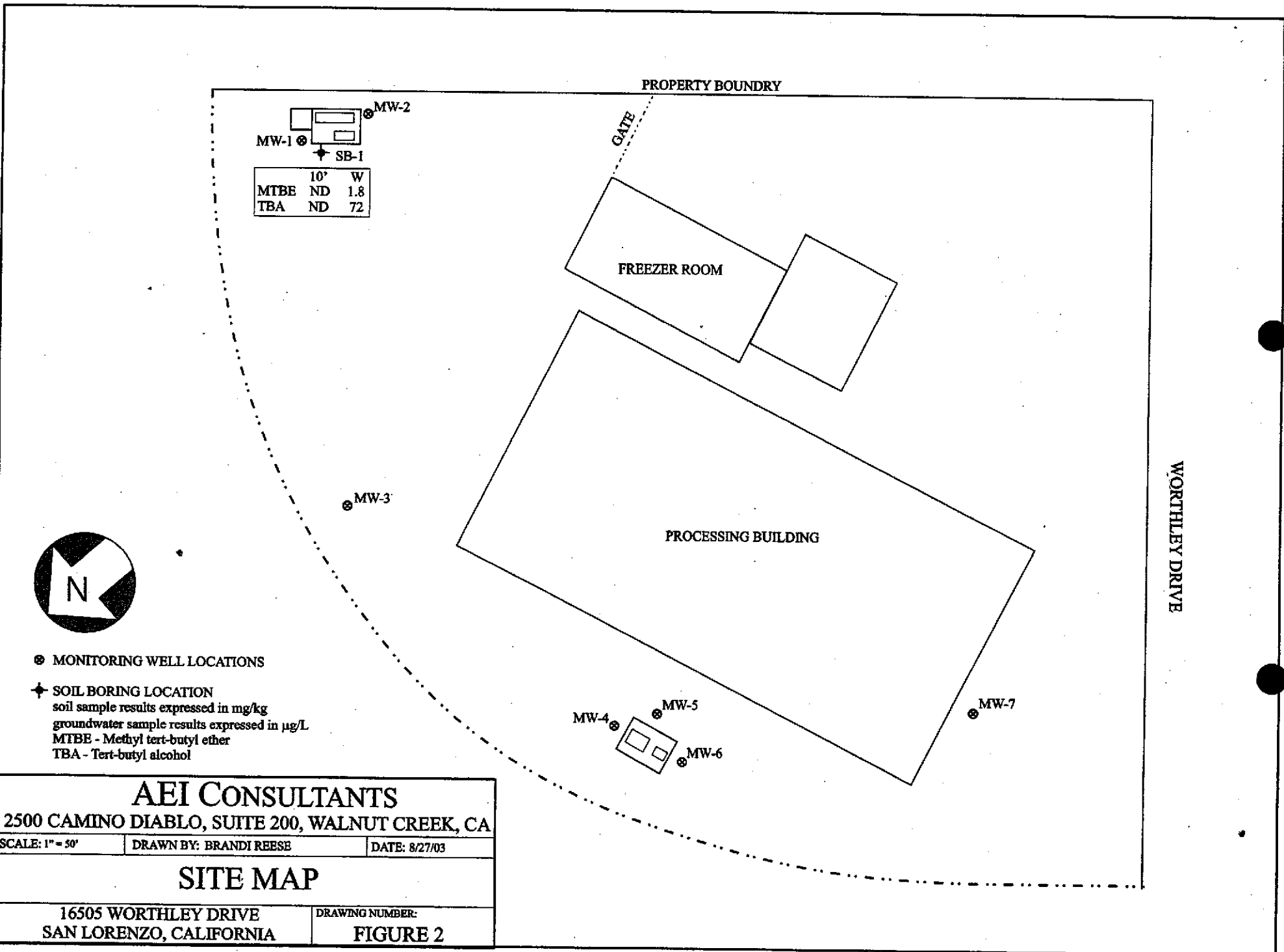
This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.



LEGEND

- PROPERTY LINE
- CHAIN LINK FENCE
- PNEUMATIC DRILL HOLE
- DRILL HOLE
- MONITORING WELL

ATTACHMENT 2



Gasoline UST Pit

TABLE A

Laboratory Results of Soil and Ground Water Samples From Excavation "A"
Sampling Date: June 23, 1988

Native Soils:

Sample ID	Total Lead	BTEX				TEPH			
		Benzene	Toluene	Ethyl Benzene	Xylene	Gasoline	Kerosene	D-2 Diesel	10W Oil
HSAEM1	#ND 15.	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 10.	ND 10.	ND 10.	ND 10.
HSASW1	#ND 15.	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 10.	ND 10.	ND 10.	ND 10.
HSAMW1	#ND 15.	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 10.	ND 10.	ND 10.	ND 10.
HSAMW2	#ND 15.	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 10.	ND 10.	ND 10.	ND 10.

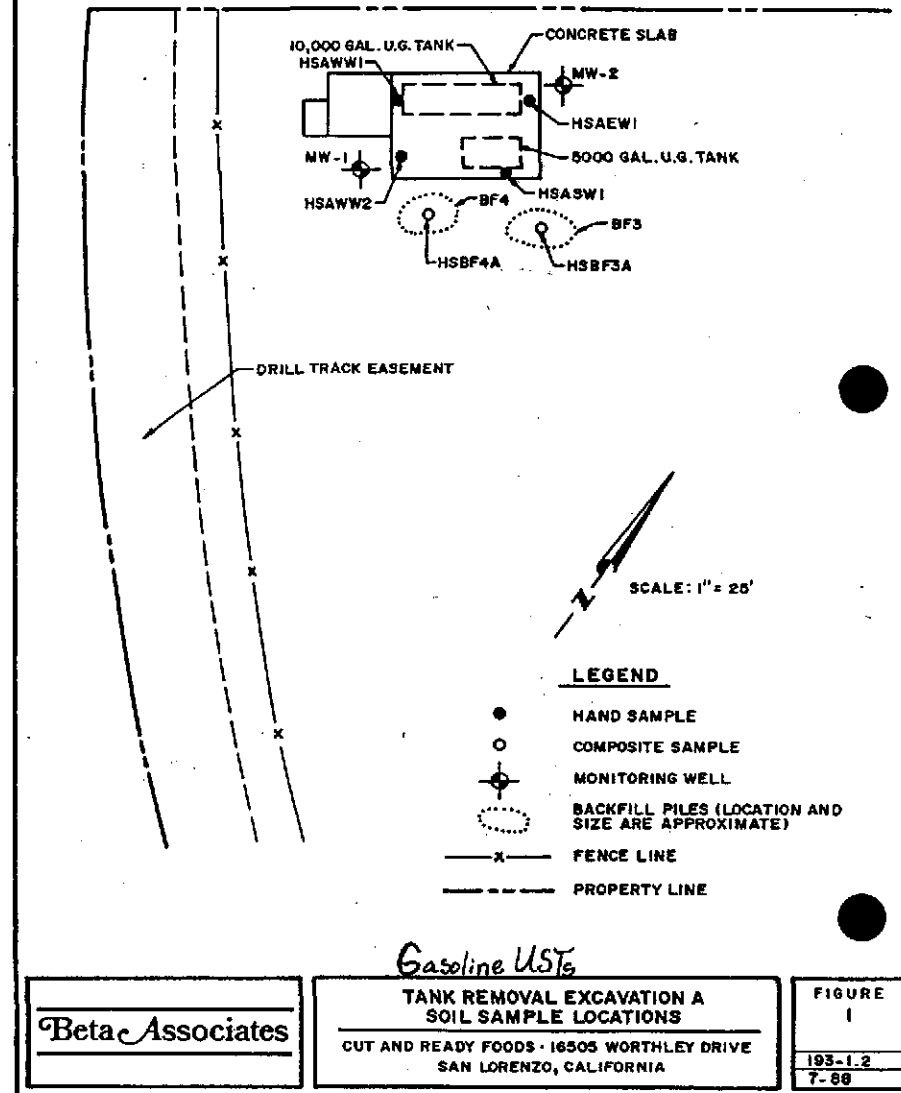
Composite Backfill:

Sample ID	Total Lead	BTEX				TEPH			
		Benzene	Toluene	Ethyl Benzene	Xylene	Gasoline	Kerosene	D-2 Diesel	10W Oil
HSBF3	#ND 15.	ND 0.2	ND 0.2	ND 0.2	ND 0.2	226.	ND 10.	ND 10.	ND 10.
HSBF4	#ND 15.	#ND 2.	#ND 2.	#ND 2.	4.	4,100.	ND 10.	ND 10.	ND 10.

Ground Water:

Sample ID	Total Lead	BTEX				TEPH			
		Benzene	Toluene	Ethyl Benzene	Xylene	Gasoline	Kerosene	D-2 Diesel	10W Oil
GW-A1	ND 0.005	0.069	ND 0.005	ND 0.005	0.089	3.1	1.0	ND 1.	ND 1.

NOTE:
ND X denotes none detected to a level of X.
#ND X denotes none detected to a level of X due to an interfering peak.
All concentrations are reported in parts per million (mg/kg or ug/L).



Beta Associates

Gasoline USTs
TANK REMOVAL EXCAVATION A
SOIL SAMPLE LOCATIONS
CUT AND READY FOODS - 18505 WORTHLEY DRIVE
SAN LORENZO, CALIFORNIA

FIGURE
1
193-1.2
7-88

SAN JOSE BLUEPRINT CO.
PRINTED ON J1330

ATTACHMENT 3

Beta Associates



Diesel OST Pit

TABLE B

Laboratory Results of Soil and Ground Water Samples From Excavation "B"
Sampling Date: June 23, 1988

Native Soils:

Sample ID	Total Lead	BTEX				TEPH			
		Benzene	Toluene	Ethyl Benzene	Xylene	Gasoline	Kerosene	D-2 Diesel	10W Oil
HSBEN1	15.	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 10.	ND 10.	ND 10.	ND 10.
HSBNW1	10.	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 10.	ND 10.	ND 10.	ND 10.
HSBNW1	13.	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 10.	ND 10.	ND 10.	ND 10.
HSBNW2	8.6	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 100.	ND 100.	260.	ND 100.

Composite Backfill:

Sample ID	Total Lead	BTEX				TEPH			
		Benzene	Toluene	Ethyl Benzene	Xylene	Gasoline	Kerosene	D-2 Diesel	10W Oil
HSBF1	5.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 200.	ND 200.	3,000.	ND 200.
HSBF2	ND 5.0	ND 2.	ND 2.	ND 2.	ND 2.	ND 1000.	ND 1000.	10,000.	ND 1000.

Ground Water:

Sample ID	Total Lead	BTEX				TEPH			
		Benzene	Toluene	Ethyl Benzene	Xylene	Gasoline	Kerosene	D-2 Diesel	10W Oil
GW-B1	ND 0.005	0.0016	0.0033	0.0025	0.010	ND 10.	ND 10.	51.	ND 10.

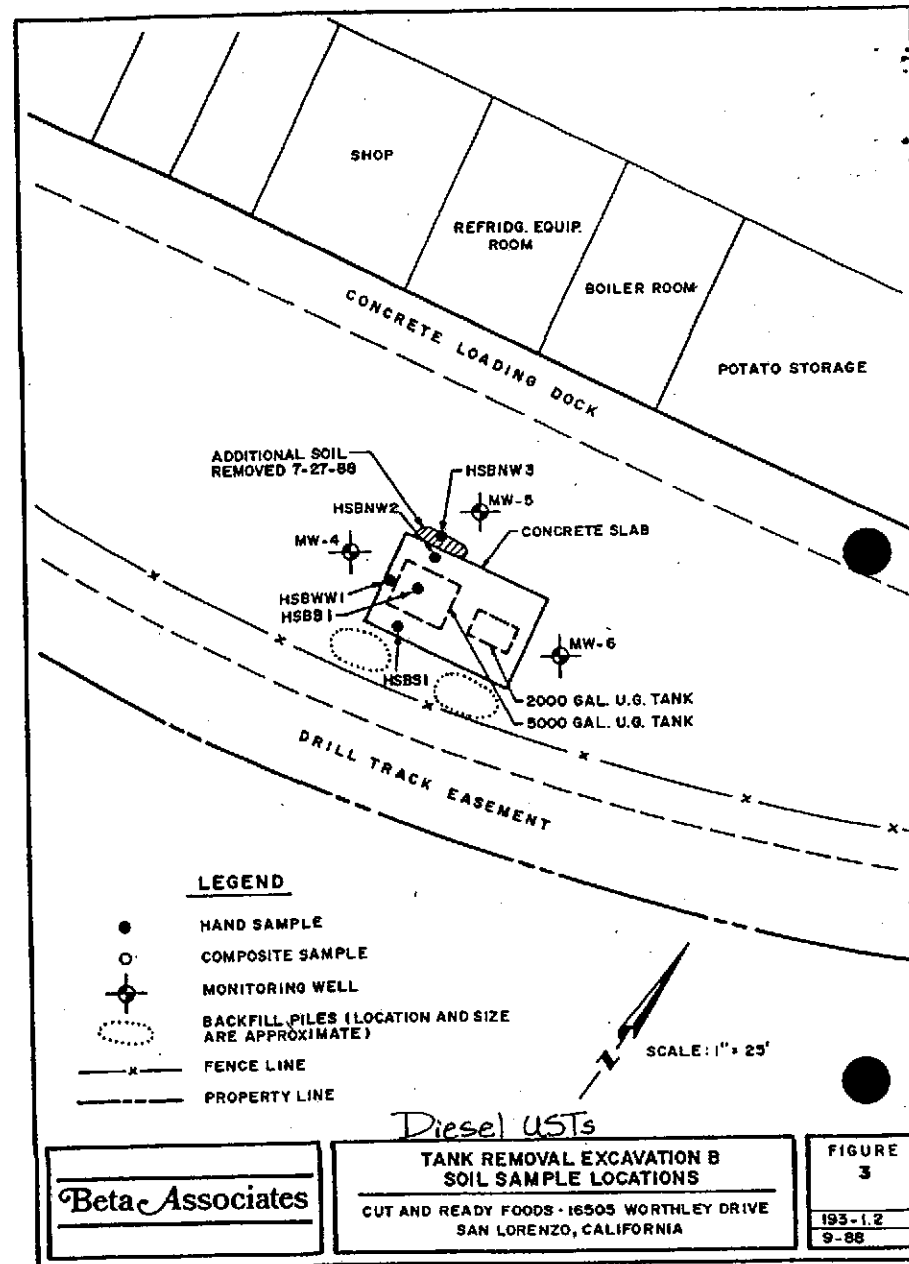
Laboratory Results of Native Soil Samples Obtained From Excavation "B"
After Additional Soil Was Excavated
Sampling Date: September 1, 1988

NOTE:
ND X denotes none detected to a level of X.
ND X denotes none detected to a level of X due to an interfering peak.
All concentrations are reported in parts per million (mg/Kg or ug/L).

Sample ID	TPH as Diesel
HSBNW3	ND 10
HSBS1	ND 10
HSBB1	ND 10



Beta Associates



Beta Associates

SAN JOSE BLUEPRINT CO
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Diesel USTs

**TANK REMOVAL EXCAVATION B
SOIL SAMPLE LOCATIONS**

CUT AND READY FOODS · 16505 WORTHLEY DRIVE
SAN LORENZO, CALIFORNIA

FIGURE
3

193-1.2
9-88

**TABLE 1
GROUNDWATER MONITORING RESULTS**

Monitoring Date	Water Levels (1)		8015 (2)		8020 (3)			8010 (4)	
	Depth to Water	Water Elevation	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Xylenes	HVOCs
MW-1									
12/1/94	6.19	3.15	<0.05 (5)	-- (6)	<0.0005	<0.0005	<0.0005	<0.0005	--
3/24/95	4.25	5.09	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
7/17/95	6.28	3.06	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
10/23/95	7.12	2.22	<0.05	--	<0.0005	<0.0005	<0.0005	<0.001	ND (7)
MW-2									
12/1/94	NM (8)	NM	--	--	--	--	--	--	--
3/24/95	4.30	5.19	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
6/16/95	6.10	3.39	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
10/23/95	7.20	2.29	<0.05	--	<0.0005	<0.0005	<0.0005	<0.001	--
MW-3									
12/1/94	6.67	3.21	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--
3/24/95	4.55	5.33	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
6/16/95	6.31	3.57	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
10/23/95	7.67	2.21	--	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
MW-4									
12/1/94	7.20	2.82	<0.05	0.19	<0.0005	<0.0005	<0.0005	<0.0005	--
3/24/95	5.30	4.72	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
6/16/95	7.00	3.02	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
10/23/95	8.14	1.88	--	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
MW-5									
12/1/94	7.15	2.95	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--
3/24/95	5.15	4.95	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
6/16/95	7.06	3.04	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
10/23/95	8.17	1.93	--	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
MW-6									
12/1/94	6.40	3.10	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--
3/24/95	4.40	5.10	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
6/16/95	7.13	2.37	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--
10/23/95	NM	NM	--	--	--	--	--	--	--

Notes:

1. Depth to water reported in feet below the top of the well casing. Elevation reported in feet above mean sea level.
2. Analysis conducted in general accordance with U.S. Environmental Protection Agency (EPA) Method No. 8015 modified. TPHg = total petroleum hydrocarbons as gasoline. TPHd = total petroleum hydrocarbons as diesel. Results reported in milligrams per liter (mg/l).
3. Analysis conducted in general accordance with EPA Method No. 8020. Results reported in mg/l.
4. Analysis conducted in general accordance with EPA Method No. 8010. HVOCs = halogenated volatile organic compounds.
5. "<" indicates compound(s) not reported at concentrations exceeding the indicated amount.
6. "--" = Not analyzed.
7. ND = compounds not reported at concentrations exceeding the analytical method reporting limits.
7. NM = Not monitored.

TABLE C
Chemical Analyses of Soil Samples

Chemical Analysis	DH-1	DH-2	DH-3	DH-4	DH-5	DH-6	DH-7		DH-8	
	@ 10'	@ 15'	@ 5'	@ 10'	@ 15'	@ 5'	@ 4.5'	10'	@ 5'	10'
EPA Method 8010 Halogenated Volatile Organics	-----	-----	-----	-----	-----	-----	-----	ND	-----	ND
EPA Method 8020 Aromatic Volatile Organics	-----	-----	-----	-----	-----	-----	-----	ND	-----	ND
EPA Method 8270 Semi-Volatile Organics	-----	-----	-----	-----	-----	-----	-----	-----	ND	-----
EPA Method 8080 Organochlorine Pesticides and PCB's	-----	-----	-----	-----	-----	-----	-----	-----	ND	-----
Total Petroleum Hydrocarbons										
Motor Oil (ppm)	ND	ND	-----	13	36	ND	-----	-----	-----	-----
Gasoline (ppm)	ND	ND	-----	-----	ND	ND	-----	-----	-----	-----
Diesel (ppm)	ND	ND	-----	-----	ND	ND	-----	-----	-----	-----
Kerosene (ppm)	ND	ND	-----	-----	ND	ND	-----	-----	-----	-----
Benzene (ppb)	ND	ND	-----	ND	ND	ND	-----	-----	-----	-----
Toluene (ppb)	ND	ND	-----	ND	ND	ND	-----	-----	-----	-----
Xylene (ppb)	ND	ND	-----	ND	ND	ND	-----	-----	-----	-----
pH	-----	-----	7.0	-----	-----	-----	8.3	8.3	8.4	9.1

ND = None Detected

TABLE D
Chemical Analyses of Ground Water Samples

Chemical Analyses	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
EPA Method 601 Purgeable Halocarbons	*	-----	ND	-----	ND	-----	ND
EPA Method 602 Purgeable Aromatics	-----	-----	ND	-----	-----	-----	ND
EPA Method 625 Base, Neutrals, and Acids	-----	-----	ND	-----	-----	-----	ND
EPA Method 608 Pesticides and PCB's	-----	-----	ND	-----	-----	-----	ND
Total Petroleum Hydrocarbons	ND	ND	-----	ND	ND	ND	-----
Benzene, Toluene and Xylene (BTX)	ND	ND	-----	ND	ND	ND	-----
Ethylene Dibromide (EDB)	ND	ND	-----	ND	ND	ND	-----
Total Lead (mg/L)	.020	.020	-----	.025	.020	.024	-----
pH	-----	-----	7.3	-----	-----	-----	-----

* = 0.9 ppb 1,2- Dichloroethane detected

ND = None Detected

**Table 1:
Soil Sample Analytical Data**

Sample ID	DIPE mg/kg	ETBE mg/kg	MTBE mg/kg	TAME mg/kg	TBA mg/kg
SB-110'	<5.0	<5.0	<5.0	<5.0	<25
RL	5.0	5.0	5.0	5.0	25

mg/kg = milligrams per kilogram (ppm)

DIPE = Diisopropyl ether

ETBE = Ethyl tert-butyl ether

MTBE = Methyl-tert butyl ether

TAME = tert-Amyl methyl ether

TBA = t-Butyl alcohol

RL = Reporting Limit where the dilution factor is 1

Please refer to Attachment B: Sample Analytical Documentation for further detailed lab information including reporting limits and dilution factors

**Table 2:
Groundwater Sample Analytical Data**

Sample ID	DIPE µg/L	ETBE µg/L	MTBE µg/L	TAME µg/L	TBA µg/L
SB-1 W	<0.5	<0.5	1.8	<0.5	72
RL	0.5	0.5	0.5	0.5	5.0

µg/L = micrograms per liter (ppb)

DIPE = Diisopropyl ether

ETBE = Ethyl tert-butyl ether

MTBE = Methyl-tert butyl ether

TAME = tert-Amyl methyl ether

TBA = t-Butyl alcohol

RL = Reporting Limit where the dilution factor is 1

Please refer to Attachment B: Sample Analytical Documentation for further detailed lab information including reporting limits and dilution factors

Project No: 7151

Sheet: 1 of 1

Project Name: Santini Foods

Log of Borehole: SB-1

Client: Bruce Lin

Location: near former UST

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
			<i>Fill/asphalt</i>						
2	CL		Clay with minor amounts of coarse sand few gravels poorly sorted medium brown color loose	SB-1 4'	C		75%		PID < 1ppm
4									
6									
8									
10	CI		Clay black color soft very plastic	SB-1 8'	C		75%	No odor noted PID < 1ppm	
12									
14									
16	CL		gray color very slight moisture very few sands						
			saturated at 16'	SB-1 10'	C		100%		
			End of Borehole	SB-1 15'	C		100%		
18									
20									

Drill Date: 8/12/03
 Drill Method: Direct push
 Total Depth: 16
 Depth to Water: 12.5

Reviewed by: LMS
 Logged by: BKR

AEI Consultants
 2500 Camino Diablo, Suite 200
 Walnut Creek, CA 94597
 (925) 283-6000

EXPLORATION DRILL HOLE LOG

HOLE No. **DH-1**

PROJECT **CUT AND READY FOODS**

DATE **07/06/87** LOGGED BY **FD**

DRILL RIG **CME-55**

HOLE DIA. **8"**

SAMPLER **Modified California**

GROUNDWATER DEPTH INITIAL **11.5'**

FINAL **7.3'**

HOLE ELEV. **---**

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (in)	TORVANE (in)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)
Asphalt concrete and baserock.		1										
CLAY, greenish brown, damp, stiff, gravelly.	CL	2										
		3										
(Fill) (Native)		4	X	7								
		5										
CLAY, black, moist, stiff. Organics, wood fragments.	OI	6	X	8								
		7										
CLAY, dark grey, moist, very soft. Organics, root holes.	CH	8										
		9										
		10										
CLAY, grey, moist, stiff, gravelly.	CI	11	X	0								
		12										
CLAY, grey, moist, stiff, gravelly.		13										
		14										
		15										
		16	X	15								
SAND, brown, wet, loose, clayey.	SC	17										
		18										
		19										
		20										

EXPLORATION DRILL HOLE LOG

HOLE No. **DR-1**

PROJECT **CUT AND READY FOODS**

DATE **07/06/87**

LOGGED BY **FD**

DRILL RIG **CME-55**

HOLE DIA. **8"**

SAMPLER **Modified California**

GROUNDWATER DEPTH INITIAL **11.5'** FINAL **7.3'**

HOLE ELEV. **---**

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (psf)	TORVANE (pcf)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)
		21	X	5								
		22										
		23										
		24										
Bottom of Drill Hole @ 24.5 feet Ground Water Encountered @ 11.5 feet.		25										
		26										
		27										
		28										
		29										
		30										
		31										
		32										
		33										
		34										
		35										
		36										
		37										
		38										
		39										

EXPLORATION DRILL HOLE LOG

HOLE No. **DH-2**

PROJECT **CUT AND READY FOODS**

DATE **07/06/87**

LOGGED BY **FD**

DRILL RIG **CME-55**

HOLE DIA. **8"**

SAMPLER **Modified California**

GROUNDWATER DEPTH INITIAL **16.0'** FINAL **7.2'**

HOLE ELEV. **---**

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN.(psi)	TORVANE(%)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN(%)	UNCONFINED SHEAR STRENGTH(psf)	
Asphalt concrete and Baserock.		1											
CLAY, greenish brown, damp, stiff, gravelly.	CL	2											
		3	X	8									
		4											
		5	X	11									
(Fill) (Native) CLAY, black, moist, stiff. Organics, wood fragments.	OI	6											
CLAY, dark grey, moist, very soft. Organics, root holes.	CH	7											
		8											
		9											
		10	X	0									
		11											
CLAY, grey, moist, stiff, gravelly.	CI	12											
		13											
		14											
		15											
		16	X	10									
		17											
		18											
		19											
		20											

EXPLORATION DRILL HOLE LOG

HOLE No.
DH-2

PROJECT CUT AND READY FOODS

DATE 07/06/87

LOGGED BY FD

DRILL RIG CME-55

HOLE DIA. 8"

SAMPLER Modified California

GROUNDWATER DEPTH INITIAL 16.0' **FINAL** 7.2'

HOLE ELEV. ___

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (psi)	TORVANE (11)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psi)
		21	X	4								
		22										
		23										
		24										
Bottom of Drill Hole @ 24.5 feet Ground Water Encountered @ 16.0 feet.		25										
		26										
		27										
		28										
		29										
		30										
		31										
		32										
		33										
		34										
		35										
		36										
		37										
		38										
		39										

EXPLORATION DRILL HOLE LOG

HOLE No.
DH-3

PROJECT CUT AND READY FOODS

DATE 07/07/87

LOGGED BY FD

DRILL RIG CME-55

HOLE DIA. 8"

SAMPLER Modified California

GROUNDWATER DEPTH INITIAL 10.0' **FINAL**

HOLE ELEV. --

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (psf)	TORVANE (pcf)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)	
Asphalt concrete and baserock.		1											
CLAY, greenish brown, damp, stiff, gravelly.	CL	2											
		3											
		4											
		5											
(Fill) (Native)		5											
CLAY, black, moist, stiff. Organics wood fragments.	OI	6	X	13									
		7											
CLAY, dark grey, moist, very soft. Organics, root holes.	CH	8											
		9											
		10											
		11	X	0									
		12											
		13											
CLAY, brown, moist, very stiff, gravelly.	CI	14											
		15											
		16											
Bottom of Drill Hole @ 19.5 feet Ground Water Encountered @ 10.0 feet.		17											
		18											
		19											
		20											

EXPLORATION DRILL HOLE LOG

HOLE No. **DH-4**

PROJECT CUT AND READY FOODS

DATE 07/07/87 LOGGED BY FD

DRILL RIG CME-55

HOLE DIA. 8"

SAMPLER Modified California

GROUNDWATER DEPTH INITIAL 12.0' FINAL

HOLE ELEV. --

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (psi)	TORVANE (psi)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (pcf)	
Asphalt and baserock.		1											
CLAY, greenish brown, damp, stiff, gravelly.	CL	2											
		3											
(Fill) (Native)		4											
CLAY, greenish brown, damp, stiff, very sandy. Organics. Wood fragments.	CL	5											
		6	X	15									
		7											
		8											
CLAY, dark grey, moist, very soft. Organics, root holes.	CH	9											
		10											
		11	X	2									
CLAY, grey, moist, stiff gravelly.	CI	12											
		13											
		14											
		15											
CLAY, brown, wet, stiff, silty.	CI	16	X	11									
		17											
		18											
		19											
		20											

EXPLORATION DRILL HOLE LOG

HOLE No. **DH-4**

PROJECT **CUT AND READY FOODS**

DATE **07/07/87**

LOGGED BY **FD**

DRILL RIG **CME-55**

HOLE DIA. **8"**

SAMPLER **Modified California**

GROUNDWATER DEPTH INITIAL **12.0'**

FINAL

HOLE ELEV. **--**

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (1/2")	TORVANE (1/2")	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)
Bottom of Drill Hole at 21.0 feet. Ground water encountered at 12.0 feet.		21	X	2								
		22										
		23										
		24										
		25										
		26										
		27										
		28										
		29										
		30										
		31										
		32										
		33										
		34										
		35										
		36										
		37										
		38										
		39										

EXPLORATION DRILL HOLE LOG

HOLE No. **DH-5**

PROJECT **CUT AND READY FOODS**

DATE **07/07/87** LOGGED BY **FD**

DRILL RIG **CME-55**

HOLE DIA. **8"**

SAMPLER **Modified California**

GROUNDWATER DEPTH INITIAL **15.0'** FINAL

HOLE ELEV. **--**

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (psf)	TORVANE (psf)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)
Asphalt concrete and baserock.		1										
CLAY, greenish brown, damp, stiff, gravelly. (Fill)	CL	2										
(Native)		3										
CLAY, greenish brown, damp, stiff, very sandy. Organics, wood fragments.	CL	4										
		5										
		6	X	11								
		7										
CLAY, gark grey, moist, very soft. Organics.	CH	8										
		9										
		10										
		11	X	2								
		12										
		13										
		14										
Stiff at 15.0 feet.		15										
		16	X	10								
		17										
		18										
		19										
		20										

EXPLORATION DRILL HOLE LOG

HOLE No.
DH-5

PROJECT CUT AND READY FOODS

DATE 07/07/87

LOGGED BY FD

DRILL RIG CME-55

HOLE DIA. 8"

SAMPLER Modified California

GROUNDWATER DEPTH INITIAL 15.0' **FINAL**

HOLE ELEV. ___

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN.(tsf)	TORVANE(IN)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN(%)	UNCONFINED SHEAR STRENGTH(psf)
Bottom of Drill Hole at 21.0 feet. Ground water encountered at 15.0 feet.		21		5								
			22									
			23									
			24									
			25									
			26									
			27									
			28									
			29									
			30									
			31									
			32									
			33									
			34									
			35									
			36									
			37									
			38									
			39									

EXPLORATION DRILL HOLE LOG

HOLE No.
DH-6

PROJECT CUT AND READY FOODS

DATE 07/07/87

LOGGED BY FD

DRILL RIG CME-55

HOLE DIA. 8"

SAMPLER Modified California

GROUNDWATER DEPTH INITIAL 9.5'

FINAL

HOLE ELEV. ---

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (psf)	TORVANE (pcf)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)
Asphalt concrete and baserock.		1										
CLAY, greenish brown, damp, stiff, gravelly.	CL	2										
		3										
		4										
		5										
(Fill) CLAY, black, moist, stiff. Organics. Wood fragments.	OH	6	X	18								
		7										
CLAY, dark grey, moist, very soft. Organics, root holes.	CH	8										
		9										
		10										
		11										
		12										
		13										
		14										
		15										
		16										
		17										
Bottom of Drill Hole at 19.5 feet. Ground Water Encountered at 9.5 feet.		18										
		19										
		20										

EXPLORATION DRILL HOLE LOG

HOLE No. **DH-7**

PROJECT **CUT AND READY FOODS**

DATE **07/07/87** LOGGED BY **FD**

DRILL RIG **CME-55**

HOLE DIA. **8"**

SAMPLER **Modified California**

GROUNDWATER DEPTH INITIAL **10.5'**

FINAL

HOLE ELEV. **—**

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (psf)	TORVANE (pcf)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)
Asphalt and baserock.		1										
CLAY, greenish brown, damp, stiff, gravelly.	CL	2										
		3										
CLAY, greenish brown, damp, stiff, sandy.	CL	4										
(Fill)			X									
(Native)												
CLAY, black, moist, stiff. Organics, wood fragments.	OH	5		10								
		6										
		7										
		8										
CLAY, dark grey, moist, very soft. Organics, root holes.	CH	9										
		10										
		11	X	0								
		12										
		13										
		14										
		15										
		16										
CLAY, brown, wet, stiff, silty.	CI	17										
		18										
Bottom of Drill Hole at 19.5 feet. Ground Water Encountered at 10.5 feet.		19										
		20										

EXPLORATION DRILL HOLE LOG

HOLE No.
DH-8

PROJECT CUT AND READY FOODS

DATE 07/07/87

LOGGED BY FD

DRILL RIG CME-55

HOLE DIA. 8"

SAMPLER Modified California

GROUNDWATER DEPTH INITIAL 15.0'

FINAL

HOLE ELEV. --

DESCRIPTION	SOIL TYPE	DEPTH	SAMPLE	BLOWS PER FOOT	POCKET PEN. (psf)	TORVANE (pcf)	LIQUID LIMIT	WATER CONTENT	PLASTIC LIMIT	DRY DENSITY (pcf)	FAILURE STRAIN (%)	UNCONFINED SHEAR STRENGTH (psf)
Asphalt concrete and baserock.		1										
CLAY, brown, damp, stiff, gravelly.	CL	2										
		3										
		4										
		5	X									
		6			11							
(Fill) (Native)	OI	7										
CLAY, black, moist, stiff. Organics, wood fragments.		8										
CLAY, dark grey, moist very soft. Organics, root holes.	CH	9										
		10	X									
		11			0							
		12										
		13										
		14										
		15										
		16		11								
Bottom of Drill Hole at 16.0 feet. Ground Water Encountered at 15.0 feet.		17										
		18										
		19										
		20										