#### **HEALTH CARE SERVICES**

**AGENCY** 



DAVID J. KEARS, Agency Director

RO#1098

ENVIRONMENTAL HEALTH SERVICES

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

StID 1828

April 24, 1998

East Bay Enterprises c/o Christine Noma 1111 Broadway, Suite 2400 Oakland, CA 94607-4036

Mr. David Wendel, Trustee B. MacLeod trust 1111 Broadway, Suite 2400 Oakland, CA 94607-4036

Mr. Phil Wood 900 Modoc Street Berkeley, CA 94707

Mr. Henry Achatz 2000 Powell, Suite 1200 Emeryville, CA 94608

Mr. Bernard Quante 108 Blossom Court San Rafael, CA 94901

Re: Fuel Leak Site Case Closure for 9029 San Leandro Street, Oakland, CA 94603

Dear Messrs. Wendel, Wood, Achatz, Quante, and Ms. Noma:

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

#### SITE INVESTIGATION AND CLEANUP SUMMARY

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

up to 5,900 ppm Oil and Grease exists in soil beneath the site.

Ms. Noma, Mr. Achatz, etal re: Transmittal Letter April 24, 1998 Page 2 of 2

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

Sincerely,

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houli

eva chu Hazardous Materials Specialist

#### enlosure:

- 1. Case Closure Letter
- 2. Case Closure Summary

c: Frank Kliewer City of Oakland-Planning 1330 Broadway, 2nd Floor Oakland, CA 94612

files (wood13)

#### 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

StID 1828 - 9029 San Leandro Street, Oakland, CA (2-1,000 gallon underground tanks removed in November 21, 1988)

April 24, 1998

East Bay Enterprises c/o Christine Noma 1111 Broadway, Suite 2400 Oakland, CA 94607-4036

Mr. David Wendel, Trustee B. MacLeod trust 1111 Broadway, Suite 2400 Oakland, CA 94607-4036

Mr. Phil Wood 900 Modoc Street Berkeley, CA 94707

Mr. Henry Achatz 2000 Powell, Suite 1200 Emeryville, CA 94608

Mr. Bernard Quante 108 Blossom Court San Rafael, CA 94901

Dear Messrs. Wendel, Wood, Achatz, Quante, and Ms. Noma:

This letter confirms the completion of 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 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.

Ms. Noma, Mr. Achatz, etal re: 9029 San Leandro St, Oakland, CA April 24, 1998 Page 2 of 2

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

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

Sincerely,

\*\*\*

Mee Ling Tung, Director

cc: Richard Pantages, Chief of Division of Environmental Protection Chuck Headlee, RWQCB Dave Deaner, SWRCB Leroy Griffin, OFD files-ec (wood12) 01-0041

## CASE CLOSURE SUMMARY Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: July 26, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy

City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700

Responsible staff person: Eva Chu Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Alameda Chemical & Scientific

Site facility address: 9029 San Leandro St, Oakland, CA 94603

RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 1828

URF filing date: 11/22/88 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

East Bay Enterprises 1111 Broadway, #2400 c/o Christine Noma Oakland, CA 94607-4036

David Wendel, Trustee 1111 Broadway, #2400

of the B. Macleod Trust Oakland, CA 94607-4036

Phil Wood 900 Modoc St, Berkeley, CA 94707

Henry Achatz 2000 Powell, #1200, Emeryville, CA 94608

Bernard Quante 108 Blossom Ct, San Rafael, CA 94901

 Tank
 Size in No:
 Contents:
 Closed in-place or removed?:
 Date:

 1
 1,000
 Unknown Removed
 11/21/88

 2
 1,000
 " "

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown

Site characterization complete? YES
Date approved by oversight agency: 7/16/96

Monitoring Wells installed? Yes Number: 1

Proper screened interval? Yes, 5.5' to 20' bgs

Highest GW depth below ground surface: ~8.2' Lowest depth: ~9.0'

Flow direction: Regional groundwater flows to southwest

Most sensitive current use: Commercial

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

#### Treatment and Disposal of Affected Material:

<u>Material</u>	Amount (include units)	Action (Treatment or Disposal w/destination)	<u>Date</u>
Tank	2 USTs Dispo	sed by Levin Metals, Richmond	11/21/88
Soil	138 tons	Casmalia Resources, in Casmalia	12/5/88
Rinsate	5,400 gallons	Gibson Oil Refinery, Bakersfiel	d 2/22/89

Maximum Documented Contaminant			ions Before  Water (		Cleanup
Concaminant				After	
TPH (Gas)	13	NA	290,000	<50	
TPH (Diesel)	2,600	110	3,100,000	<50	
Benzene	ND	0.012	<200	<0.5	
Toluene	ND	0.078	980	11	
Ethylbenzene	ND	0.017	<300	II	
Xylenes	0.34	0.083	7,500	ſſ	
Oil & Grease	5,800	5,900	18,000,000	<500	
Heavy metals	NA	NA			
Other HVOCs	ND	ND	ND		
PCBs (808	30)		ND		

NOTE:

- 1 soil sample collected during tank removal
- 2 soil sample collected after overexcavation
- 3 "grab" groundwater from pit at time of UST removal

#### 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? Site management requirements: None Should corrective action be reviewed if land use changes? YES Monitoring wells Decommissioned: No, pending site closure Number Retained: 1 Number Decommissioned: 0 List enforcement actions taken: NOV issued 11/5/92; PRP on 2/15/94 List enforcement actions rescinded: Above, in compliance

#### V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu

Title: Haz Mat Specialist

Signature: 05714

Date: 8/23/96

Title: Haz Mat Specialist

Reviewed by

Name: Dale Klettke

ignature: //

Name: Thomas Peacock

Signature: mun Jeacon

VI. RWQCB NOTIFICATION

Date Submitted to RB: 8/22/96

RWQCB Staff Name () Kevin Graves

Signature:

RB Response: Affrore

Date: 8-27-76

Title: Supervisor

Title: AWRCE

Date:

Date: 9/5/96

#### VII. ADDITIONAL COMMENTS, DATA, ETC.

On November 21, 1988 two 1-K USTs (which stored unknown hydrocarbons) were removed from within a common pit. Soil samples (A1, A2, B1, B2) and a "grab" groundwater sample were collected and analyzed for TPHg, TPHd, TOG, BTEX, and VOCs (8240). Elevated levels of TPHd and TOG were identified in the soil samples. The "grab" groundwater sample contained elevated levels of TPHg, TPHd, and TOG. (See Figs 1, 2, and Table 1)

On December 5, 1988 the tank pit was overexcavated horizontally ~2 feet on the four sidewalls and vertically down to groundwater (~14'bg), removing ~112 cy of affected soil. Six confirmatory sidewall samples (C1, C2, D1, D2, E1, E2) were collected and analyzed for the same above constituents. TOG levels were about the same, but diesel concentrations were much lower. (See Fig 3, Table 1)

A soil/groundwater investigation was conducted in August 1994 to delineate the extent of soil contamination and to determine the severity of groundwater contamination. Five investigative borings (IB-1 through IB-5) were drilled to 10' bg, and one monitoring well, MW-1, was installed to 20' bg, (in the downgradient direction, based on regional flow, of the former tank pit excavation). (See Fig 4). Soil and water samples were analyzed for TPHg, TPHd, BTEX, and TPH-mo. Water was also analyzed for the five metals: Cd, Cr, Pb, Ni, & Zn.

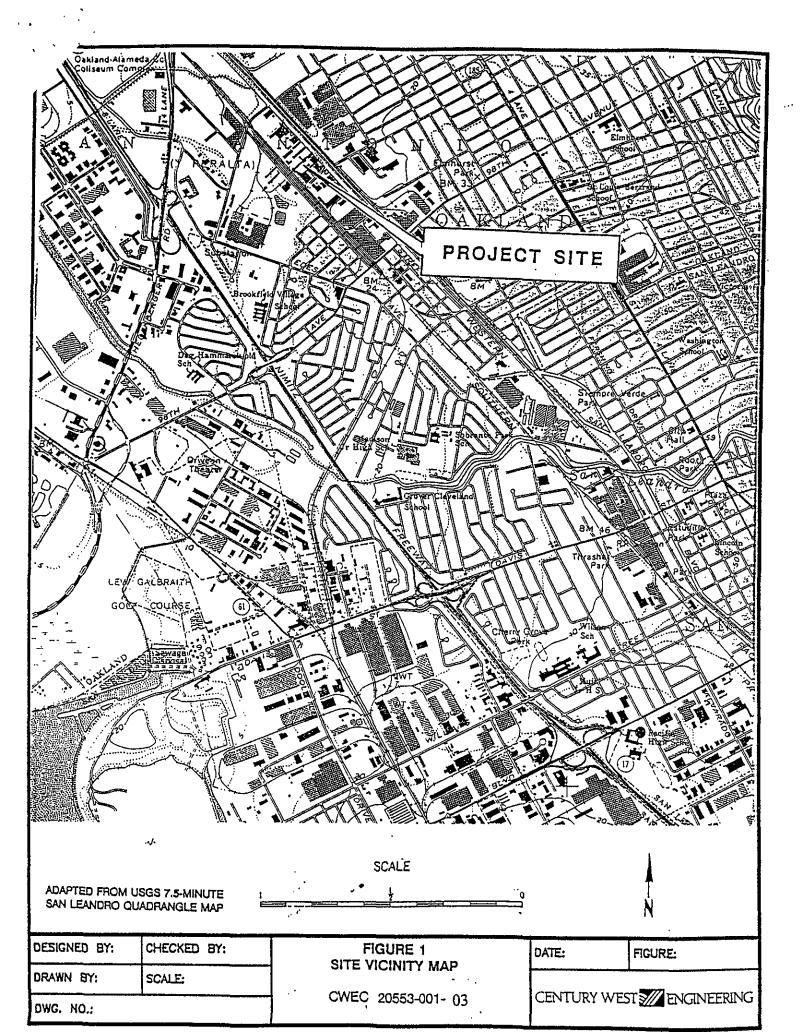
Only TPHmo was detected in soil (in all borings except IB-4). However, the hydrocarbon-impacted soils appear to be limited to a relatively narrow layer of soil near the groundwater table between about 7' to 10' bg, and within 10' of the former excavation perimeter. Migration of these less mobile hydrocarbons should be minimal in the silt sediments found at 4' to 20' bg. The groundwater sample contained 160ppb TPHd. Cr, Pb, And Ni levels were above CA MCLs. (See Table 2 and Boring log)

Another groundwater sampling event occurred in November 1995. Groundwater did not contain TPHg, TPHd, TPHmo or BTEX. Cr and Ni concentrations were still above CA MCLs. (See Table 3). However, these may be background levels, as groundwater does not appear to be significantly impacted by the hydrocarbon release at the site. Shallow groundwater is not a source of drinking water in this area. The residual hydrocarbons at 7' to 10' bg should pose no risk to human health. Continued monitoring is not warranted.

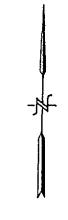
#### Closure is recommended because:

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

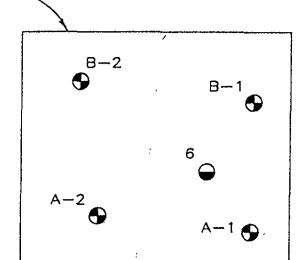
wood10



5 ABOVE GROUND TEMPORARY STORAGE TANK



APPROXIMATE LIMITS
OF TANK PIT
EXCAVATION —



### LEGEND:

- SOIL SAMPLE LOCATION
- ₩ATER SAMPLE LOCATION

## **NOTES:**

- 1. SOIL SAMPLES TAKEN FROM SIDEWALLS OF TANK PIT.
- 2. WATER SAMPLE No.5 TAKEN FROM ABOVE GROUND STORAGE TANK.

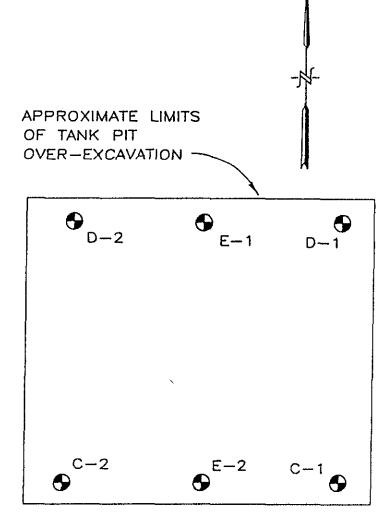


**ERICKSON** 

FIGURE NO.
PROJECT NO. 4308
DATE: 3-20-89

INITIAL SAMPLING LOCATIONS

ALAMEDA CHEMICAL CO. 9029 SAN LEANDRO ST. OAKLAND, CALIFORNIA ABOVE GROUND TEMPORARY STORAGE TANK

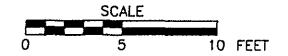


## LEGEND:

SOIL SAMPLE LOCATION

## NOTES:

1. SOIL SAMPLES TAKEN FROM SIDEWALLS OF TANK PIT. (APPROX. 13 FT. BELOW GRADE.)



ERICKSON

PROJECT NO.
4308

DATE:

3-20-89

SOIL SAMPLE LOCATIONS SUBSEQUENT TO OVER-EXCAVATION

ALAMEDA CHEMICAL CO. 9029 SAN LEANDRO ST. OAKLAND, CALIFORNIA

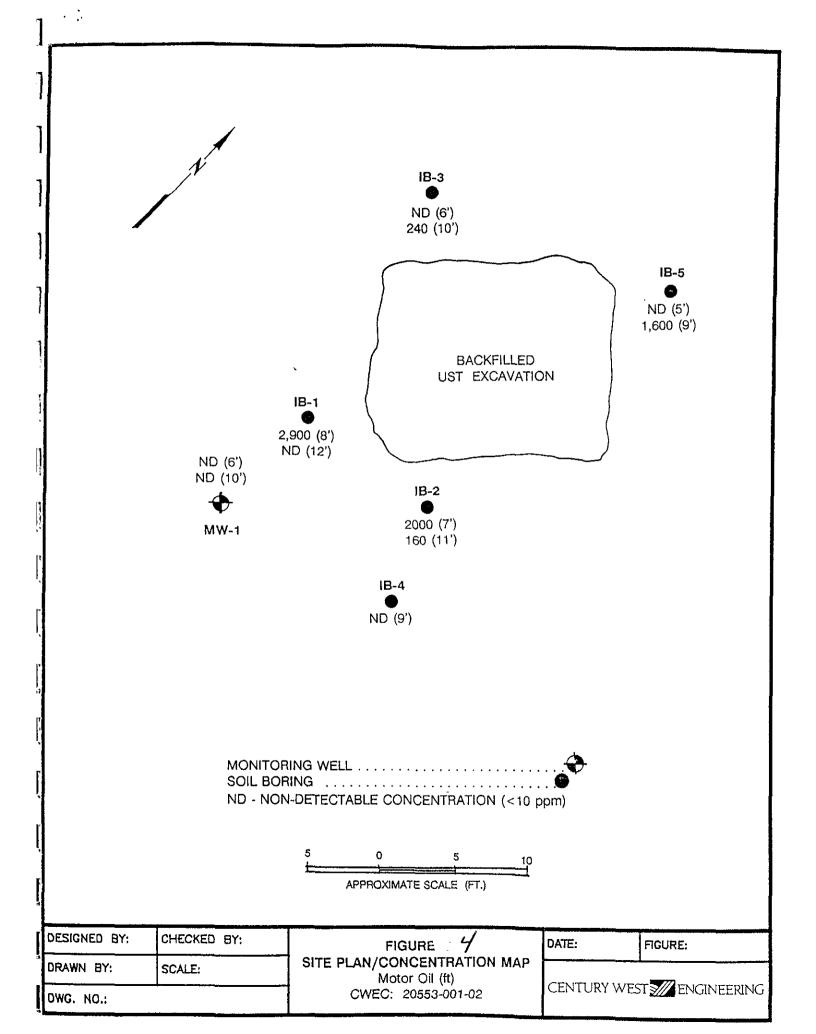


Table 1

Laboratory Analyses
Alameda Chemical Co.
Oakland, California

Tank Tan Ref. Siz No. (Ga	e Product	Date Sampled	Lab Report No.	Sample I.D. No.	Benzene (ppm)	Toluene (ppm)	Xylene (ppm)	Ethyl Benzene (ppm)	Gas (ppm)	PH Diesel (ppm)	Oil and Grease (ppm)	Volatile Organics(1)	pcb (1) (ppm)
1 1,0	000 Unknown	11/21/88	6680	<b>λ-1</b>	ИО	ND	ОИ	ИВ	1.2	מא	140	C ON	
				<b>λ−2</b>	ND	ND	ND	νο	מא	810	1,100	YES	inital
2 1,0	000 Unknown	11/21/88	6680	B-1	ДИ	DИ	0.34	аи	13	2,600	5,800	YES (	Samelin
				B-2	DИ	ND	ИD	ОИ	ND	600	1,000	YES J	, ,
Tank Pit	Unknown	12/5/88	6756	C-1	מא	ир	ИĎ	ИФ	-	33	4,000	- ¬	
				C-2	ND	ND	ИД	ИΟ .	-	40	4,000	- )	100
				D-1	מא	ИD	ND	ИD	-	110	4,300	- (	Soll Sample
				D-2	0.012	0.078	0.083	0.017	-	110	3,700	- >	over excavation
				E-1	ND	ди	ИĎ	ДИ	-	50	5,900	- (	
				E-3	αи	ИД	· иD	מא	-	33	3,400	ر -	
Holding	Unknown	11/21/88	6680	Water-5	tink-	-	-	-	-	-	17,000	но	ио
-	Groundwater	11/21/88	6680	Water-6,	ИD	0.98	7.5	αи	290	3,100	18,000	ио	

ND - NONE DETECTED

(1) - Complete Laboratory Report in Attachment B

No analysis for 5 motals

Ground water was encountered in the investigative and well borings at a depth of approximately nine feet below grade. No hydrocarbon odors or sheens were noted in water from monitoring well MW-1 during purging and sampling activities.

#### 3.2 Results of Laboratory Analyses

Soil and ground water analytical results are summarized in Table 1. Laboratory data reports for soil and ground water samples are contained in Appendix D.

180508018483	SUMN	MARY OF				VALYTICAI	L RESULTS	5
Sample	Sample				Сонсен	tration (ppm)		
$\mathcal{D}$	Depth	TPH-G	TPH-D	TPH-MO	В	T	E	¥
	Soil Sam	ples						
IB-1.1	8.0 ft	ND(1) <sup>1</sup>	ND(50)	2,900	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-1.2	12.0 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-2.1	7.0 ft	ND(1)	ND(50)	2,000	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-2,2	11.0 ft	ND(1)	ND(5)	160	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-3.1	6.0 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-3.2	10.0 ft	ND(1)	ND(5)	240	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-4.1	9.0 ft	<u>ND(1)</u>	<u>ND(1)</u>	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-5.1	5.0 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-5.2	9.0 ft	ND(1)	ND(50)	1,600	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
MW-1.1	6.0 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
MW-1.2	10.0 ft	ND(1)	<u>ND(1)</u>	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
	Ground V	Vater Sampl	e					
MW-1	9.0 ft	ND(0.05)	$0.16^{2}$	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)

- 1 Not detected above the value expressed in the parentheses.
- 2 The laboratory data report states "The positive result appears to be a heavier hydrocarbon than Diesel."

The five metals analysis of the ground water sample from MW-1 resulted in the following metals concentrations.

n  level = 0.03  ppm
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# Table ♦ 3 Summary of Ground Water Analytical Results 9029 San Leandro Street UST Site

्रशासकार   हि	edime Ind	Siniio Sinii	ાંત;⊧6	ា(ឱ)៖ ២០)	وأربعت والبرواني واستفيهمها بيراه والمست	écne Ji	antedon((824)) E	<b>X</b>	(Q.)	St.	Į.	iÑ,	20:
MW-1	08/18/94 11/16/95	9.0 ft. 8.2 ft.	ND (0.05) [2] ND (0.05)	0.16 [3] ND (0.05)		-	ND (.0005) D (.	•	ID (0.03) ID (0.02)	_	0.39 0.009	3.1 0.22	2.6 0.23

- 1. Depth in feet below ground surface.
- 2. Not detected above the level expressed in parentheses.
- 3. The laboratory data report states, "The positive result appears to be a heavier hydrocarbon than diesel".

PPM = Milligrams per liter,

WELL	BORING	3 MW-1					Century '	West Engineering		
Site Loca	ation: 9029 S	San Leandro B	llvd.		=	Boring	g ID: MW-1			
Boring L	ocation: Dov	vngradient fro	m excavatio	n		Elevat	tion:			
Purpose	Soil Investig	ation				Logged By: Bob Bogar				
Date: 08	/09/94				Blank Casing:			From: 0.5 To: 5.34		
Consultir	ng Firm: Ce	ntury West E	ngineering			Pertor	rations:	From: 5.34 To: 20.1		
Project N	lumber: 205	53-001-02	<del></del>			Filter	Sand:	From: 20.1 To: 4.0		
Drilling C	Contractor: 1	exploration Ge	oServices			Bento	nite:	From: 4.0 To: 3.0		
Drilling N	ow Stem Auge	)r			Grout	·	From: 3.0 To: 0.5			
Depth	Sample ID	Sampling Interval	Blow Counts	Profile		Soil Des	scription	Remarks		
			999,119		0 - 0.5	ft	Asphalt			
<u>01</u> <u>02</u>			`		0.5 - 2.0	ft	Light brown silty GRAVEL; dry; no hydrocarbon odor or discoloration.			
03 04 05					2.0 - 4.0	ft	Light brown to green, sandy SILT, rust mottled, gravelly; dry; no hydrocarbon odor or discoloration.			
06 07 08 09	MW-1.1	T	5 7 12		4.0 - 8.0	ft <sup>*</sup>	Black to dark grey SILT; dry soft organic; no hydrocarbon odor or discoloration.			
11 12 13 14 15	MW-1.2	1	4 6		8.0 - 20.0	ft	Light to medium brown SILT; soft, moist to saturated; no hydrocarbon odor or discoloration,			
16 17 18 19 20					Ground V Total Aug	later De er Depti	pth - 9.0 ft 1 - 20.0 ft			

. ...

INVES	STIGATIV	E BORIN	G <i>IB-</i> 1			Century W	est Engineering			
Site Loc	ation: 9029 (	San Leandro E	Blvd.			Boring ID: IB-1				
Boring L	ocation: Sou	ithwest from e	excavation	~~~~~~		Elevation:				
Purpose	: Soll Investi	gation			<del></del>	Logged By: Bob Bogar				
Date: 08	/09/94				Blank Casing:	From: To:				
Consulti	ng Fīrm: Ce	ntury West E	ngineering			Perforations:	From: To:			
Project I	Number: 205	53-001-02				Filter Sand:	From: To:			
Orilling (	Contractor:	Exploration Ge	eoServices		·	Bentonite:	From: To:			
Drilling h	Method: Holl	ow Stem Auge	er		<del></del>	Grout:	From: 11 ft To: Surf.			
Depth	Sample ID	Sampling Interval	Blow Counts	Profile		Soil Description	Remarks			
01 02 03 04 05					0 - 0.5 0.5 - 1.0 1.0 - 4.0	ft Grey brown Sandy GRAVEL; dry, soft; no hydrocarbon odor or discoloration.	Note: Sandy gravels are probably imported fill material.			
06 07 08 09	lB-1.1	T T	8 11 13		4.0 - 7.0 7.0 - 10.0	organie; no hydrocarbon odor or discoloration.				
11 12 13 14	lB-1.2	т ±	555		10.0 - 12.0	to wet, soft; no hydrocarbon odor or discoloration.				
15					Final Auge	ater Depth - 9.0 feet r Depth - 11.0 feet				

-

INVE	STIGATIV	E BORIN	G IB-2				Century We	est Engineering		
Site Loc	ation: 9029	San Leandro E	3lvd.			Boring ID: IB-2				
Boring I	ocation: Sou	itheast from e	xcavation			Elevation:				
Purpose	: Soil Investi	gation				Logged By: Bob Bogar				
Date: 08	3/09/94				Blank Casing:	Fr	om: To:			
Consult	ing Firm: Ce	ntury West E	ngineering		Perforations:	Fr	om: To:			
Project	Number: 205	53-001-02				Filter Sand:	Fr	om: To:		
Dritting	Contractor:	Exploration Ge	eoServices			Bentonite:	Fr	om: To:		
Drilling	Method: Holl	ow Stem Aug	er	<del></del>	·	Grout:	Fr	om: 10 ft To; Surf.		
Depth	Sample ID	Sampling Interval	Blow Counts	Profile		Soil Description		Remarks		
01 02 03 04 05 06 07 08 09	18-2,1	T T	568	∇	0 - 0.5 0.5 - 1.5 1.0 - 4.0 4.0 - 7.0 7.0 - 10.0	ft Grey to brown s GRAVEL; dry; in hydrocarbon of discoloration.  ft Light to mediur SiLT; dry, soft; hydrocarbon of discoloration.  ft Black to dark g SiLT; moist, sof slight to moder hydrocarbon of	no for or no brown sandy no for or rey, clayey t, organic; ate for.	-		
10 11 12 13 14	IB-2.2	T	7 9 12		10.0 - 11.5 Ground W Final Auge	ift Light green fine moist to wet, so hydrocarbon oc ater Depth - 9.0 feet or Depth - 10.0 feet	silty SAND; oft; slight for.			

11										
INVE	SIIGATI	VE BORIN	VG IB-3			Century V	Vest Engineering			
Site Lo	cation: 9029	San Leandro	Blvd.			Baring ID: IB-3	rest Engineering			
Boring	Location: N	orthwest from	excavation		····	Elevation:				
Purposi	e: Soil Inves	tigation				Logged By: Bob Bogar				
Date: 0	8/09/94				——————————————————————————————————————	Blank Casing:				
Consult	ing Firm: C	entury West I	Engineering		·	Perforations:	From: To:			
Project	Number: 20	553-001-02				Filter Sand:	From: To:			
Drilling	Contractor:	Exploration G	ieoServices			Contonito	From: To:			
Drilling	Method: Ho	llow Stem Aug	er			Grout:	Fram: To:			
Depth	Sample	Sampling	Blow	T	T		From: 10 ft To: surf.			
}	10	interval	Counts	Profile		Soil Description	Remarks			
<u>01</u>			[		0 - 0.5 6	t Asphalt				
02			}	1	0.5 - 2.0 f	t Rust to light brown, silty	<b>[</b>			
<u>03</u>	<u> </u>		,	}		GRAVEL; dry, soft; no hydrocarbon odor or discoloration.				
<u>04</u>				}	2.0 - 4.0 f					
05			}			t Light to olive green sandy SILT; dry, soft; no hydrocarbon odor or				
					40.000	discoloration.				
<u>06</u>					4.0 - 8.0 ft	SILT; moist, soft, organic; no				
07		7"	8			hydrocarbon odor or discoloration.				
08	IB-3.1	1,	12 16		8.0 - 10.0 f	t limite and a transfer of				
<u>09</u>				~~_	0.0 - 10.0 1	t Light green silty SAND; fine, moist, soft; slight hydrocarbon odor.	<b>#</b>			
	- <del></del>			1		odor.				
11		τ	6			{				
12	IB-3.2	1.	6 6 9			1	***			
13		}	1	ļ						
14		ļ	ļ	}			*			
15	<u></u>				Ground Wat Final Auger	er Depth - 9.0 feet Depth - 10.0 feet				

• ,•,

INVES	TIGATIV	E BORING	G <i>IB-</i> 4			Cen	tury Wes	st Engineering		
Site Loca	ation: 9029 S	an Leandro B	lvd.			Boring ID: IB-4				
Boring L	ocation: Sou	theast from e	xcavation		<del> </del>	Elevation:				
Purpose	Soil Investig	gation				Logged By: Bob Bogar				
Date: 08	/09/94				Blank Casing:	Fro	om: To:			
Consultin	ng Firm: Ce	ntury West Er	ngineering			Perforations:	Fro	om: To:		
Project N	lumber: 205	53-001-02			<del>,</del>	Filter Sand:	Fre	om: To:		
Drilling C	Contractor: I	Exploration Ge	oServices			Bentonite:	Fro	om: To:		
Drilling N	flethad: Holl	ow Stem Auge	<u> </u>			Grout:	Fro	om: 10 ft To: surf.		
Depth	Sample ID	Sampling Interval	Blow Counts	Profile		Soil Description		Remarks		
					0 - 0.5	ft Asphalt				
<u>01</u> <u>02</u>			<u> </u>		0.5 - 2.0	ft Grey to brown silty GF dry; no hydrocarbon discoloration.	RAVEL; odor or			
<u>03</u> <u>04</u> 05					2.0 - 4.0		ţ			
<u>06</u> <u>07</u> <u>08</u>		T	6		4.0 - 8.0	SILT; moist, soft, orga hydrocarbon odor or discoloration.	ì			
<u>09</u> 10	IB-4,1	<u>T</u>	6 8 11	∇	8.0 - 9.0	ft Dark green clayey SIL soft, organic; no hydro odor.	T; moist ocarbon			
<u>11</u> 12					Ground W Final Aug	later Depth - 9.0 feet er Depth - 10.0 feet				

INVESTIGATIVE BORING IB-5 Century West Engineering								
						l	West Engineering	
Site Location: 9029 San Leandro Blvd.						Boring ID: IB-5		
Boring Location: Northeast from excavation						Elevation:		
Purpose: Soil Investigation						Logged By: Bob Bogar		
Date: 08/09/94						Blank Casing:	From: To:	
Consulting Firm: Century West Engineering						Perforations:	From: To:	
Project Number: 20553-001-02						Filter Sand:	From: To:	
Drilling Contractor: Exploration GeoServices						Bentonite:	Fram: To:	
Drilling Method: Hollow Stem Auger					Grout:	From: 9 ft Ta: surt.		
Depth	Sample ID	Sampling Interval	Blow Counts	Profile	;	Soil Description	Remarks	
01 02 03 04 05 06 07 08	IB-5.1	T T	4 6 7 5 10	_▼	0 - 0.5 i 0.5 - 1.0 i 1.0 - 4.0 i	ft Grey brown GRAVEL; dry; no hydrocarbon odor or discoloration.  ft Light to medium brown sandy SiLT; dry, soft; no hydrocarbon odor or discoloration.	į į	
10 11 12 13 14 15					Ground Wa Final Auger	ster Depth - 9.0 feet Depth - 9.0 feet		

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