Christopher M. French, R.G.
RG #4465
REA #00307

ENVIRONMENTAL INVESTIGATION REMEDIATION, AND RISK ASSESSMENT
2735 ELMWOOD AVENUE
BERKELEY CALIFORNIA 94705
(415) 486 0722

July 26, 1990

Ms. Pam Evans
Hazardous Materials Specialist
Alameda County Health Agency
80 Swan Way, Rm. 200
Oakland, CA 94621

Subject: Report Transmittal

Dear Ms. Evans:

Transmitted herewith is one copy of the report titled "Report of Phase II Site Assessment for Property Located at 21450 Mission Blvd., Alameda County, California".

Should you have any questions, please call.

Very truly yours,

CHRISTOPHER M. FRENCH, R.G.

Christopher M. French, R.G., R.E.A.
Consultant

cc: Mr. Victor Adams, Pacific Trust Company

Christopher M. French, R.G.
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REA #00307
ENVIRONMENTAL INVESTIGATION, REMEDIATION AND RISK ASSESSMENT
2735 ELMWOOD AVENUE
BERKELEY, CALIFORNIA 94705
(415) 486-0722

April 5, 1990

Mr. Victor L. Adams
Vice President
Pacific Trust Company
1245 South Winchester Blvd.
San Jose, CA 95128

Subject: Results of Phase II Environmental Site Assessment for Property Located at 21450 Mission Blvd., Alameda County, CA

Dear Mr. Adams:

I am pleased to submit the results of the Phase II site assessment for property located at the above referenced address in Alameda County, California. The scope of work included 1) a geophysical investigation of the property to identify underground conduits, tanks and product lines prior to drilling, 2) drilling of six soil borings for investigation of subsurface conditions, 3) collection of soil samples for laboratory analysis of petroleum hydrocarbons, and 4) preparation of a Phase II report.

The original scope of work had also provided for the installation and sampling of three monitoring wells. Due to the nature of site conditions encountered during drilling, it was concluded that the installation and sampling of monitoring wells would not be necessary at this time.

EXECUTIVE SUMMARY

A ground penetrating radar (GPR) geophysical survey of the site indicated the presence of three underground storage tanks and associated piping beneath the property. Additional potential source areas, identified as a result of the Phase I investigation, were not identified during the GPR survey.

Six soil borings were drilled in the areas of the existing underground tanks and lines (Borings EB-1, EB-2 and EB-3), and in the area of the previously existing grease pit (Boring EB-4), hydraulic lift (Boring EB-5) and underground tanks (Boring EB-6). Continuous soil samples were collected during drilling, and representative soil samples were appropriately preserved and submitted to a certified analytical laboratory for analysis of petroleum hydrocarbons.

Soil samples collected during drilling were field screened using a photoionization detector (PID), which is capable of detecting the presence of volatile organic compounds. Minor indications of contamination were observed in the shallow subsurface in Borings EB-1 and EB-3. No other field indications of contamination were encountered. A total of 14 soil samples were submitted to a certified analytical laboratory for analysis. None of the samples submitted for analysis contained detectable concentrations of petroleum hydrocarbons.

Based on the limited results of the Phase II investigation, it may be concluded that the past generation, storage, or use of hazardous materials on the subject property has a low potential for significantly impacting the environmental quality of site soil or groundwater.

The presence of underground storage tanks at the site has been verified by the GPR survey and subsequent site work. In accordance with California Code of Regulations (CCR) Title 23, Chapter 3, Subchapter 16, it is recommended that the existing underground tanks present on the property be removed as soon as practicable. Additional soil sampling, conducted in compliance with applicable environmental regulations, will be required by the regulatory agencies during underground tank closure in order to verify that an "unauthorized release" of petroleum hydrocarbons has not occurred.

FIELD INVESTIGATION

As described in the Phase I report dated December 18, 1989, past and present land use of the subject property has included oil and kerosine product distribution, automobile repair, gasoline storage and distribution, and operations related to sales of used cars. The approximate location of the source areas had previously been identified based upon plans obtained in the course of the Phase I investigation. The potential source areas, shown in Plate 1 of Attachment A, include 1) three petroleum tanks ranging in capacity from 280 to 550 gallons, which were apparently removed from the property in 1954, 2) a grease pit and hydraulic lift previously located in the former repair facility, 3) one 100 gallon underground kerosine tank, one 1,000 gallon and one 2,000 gallon underground gasoline tank, and 4) a gasoline product dispensing area.

Ground Penetrating Radar (GPR) Survey

A GPR survey was performed by J.R. Associates, located in San Jose, California, on February 6, 1990. GPR is a shallow geophysical exploration technique that provides for continuous profiling of subsurface conditions. A radar impulse is emitted into the ground, where it is reflected back at the interfaces created by changes in subsurface materials or conditions. The time it takes the impulse to reflect back can be related to the depth of the particular interface. By recording the radar reflection impulses on a scanning graphic recorder, a vertical subsurface profile is generated. The profile is used to show the position of subsurface features, such as underground storage tanks.

The survey consisted of 14 transects of varying length, located in the areas of potential sources. The results of the survey indicated that two underground gasoline and one kerosine tank, and associated product dispensing lines, are still present in the subsurface of the site. The GPR survey also identified numerous underground lines in the subsurface of the site, which may be abandoned or active utility conduits or piping. Anomalous patterns indicative of a subsurface disturbance, such as that caused by excavation and fill operations, were detected in the area of the formerly existing underground storage tanks, and the grease pit area. A shallow anomaly was detected in the area of the former hydraulic lift.

Soil Investigation

Based upon the results of the GPR reconnaissance, six borings were located in the vicinity of known source areas. The location of borings are shown in Plate 1. All drilling and soil sampling activities were directed by a California Registered Geologist.

Soil sampling activities proceeded in accordance with protocol presented in Attachment B. Continuous soil samples were collected from all borings, with the exception of Boring EB-2. A photoionization detector (PID) was utilized for field screening of potential contamination.

Boring log indicates PID was used to screen samples every 5'

Geologic Conditions

Lithologic logs of borings are presented in Attachment C. In general, the site may be characterized by an upper sequence of silty sand to sandy silt, which changes with depth to well sorted sand and clayey sand. These soils are present between the surface and an approximate depth of 31 feet. The upper sequence is underlain by a distinctly different lithology, composed of clayey to gravelly sand, between depths of approximately 31 and 55 feet. A very stiff clay was encountered below depths of 55 feet.

Field Observations and Contaminant Screening

(visual, olfactory, etc.)
Organoleptic indications of contamination were observed in the shallow subsurface near the kerosine and underground gasoline storage tanks (EB-2), and in the vicinity of the former dispensing island (EB-3). The maximum contaminant concentration measured by the PID field screening device was 2.2 parts per million (ppm) relative to an isobutylene standard. The maximum depth of contaminant detection by the PID field screening device was 15 feet (Boring EB-1).

Observable signs from EB2+3

(in air conc)

The qualitative and semiquantitative observations made in the course of the subsurface investigation were not generally indicative of conditions which may pose a significant threat of impairment to soil or groundwater quality, or which would require further investigation or mitigation. It should be emphasized, however, that this conclusion is limited to the immediate area of the individual soil borings. Additional soil sampling, conducted in the process of the underground tank removal, will be required by the regulatory agencies in order to verify that an "unauthorized release" has not occurred. This sampling did not verify that UR. did not occur

Groundwater Conditions

Based upon a review of consultants' reports for nearby contamination sites, it had been inferred that ground water was located at a shallow depth beneath the surface. This inference was not substantiated by the drilling investigation. One minor zone of perched groundwater was encountered at a depth of 31.5 feet. Groundwater, however, was not encountered until a depth of 60.5 feet. The groundwater table is located beneath

how does he know this was minor -

a stiff clay layer of substantial thickness, and appears to occur under confined to semiconfined conditions.

Based upon the observed groundwater conditions and paucity of field observations indicative of significant contamination, it was determined that installation of three groundwater monitoring wells was not required at the present time.

Soil Analytical Results

Soil samples collected from borings were appropriately preserved and submitted to a California Department of Health Services (DHS) certified analytical laboratory under chain of custody protocol. Samples were selectively submitted for analysis of either 1) total petroleum hydrocarbons as gasoline (TPHG) and benzene, toluene, ethylbenzene and xylene (BTEX) by EPA Methods 8015 and 8020, respectively, 2) total extractable hydrocarbons as kerosine (TEHK) or as hydraulic fluid (TEHhf) by EPA Method 3550, and total volatile hydrocarbons as kerosine (TVHk) by EPA Method 5030, or 3) total oil and grease (TOG) by Standard Method 503E. Analytical services were provided by Anametrix, Inc., located in San Jose, California.

The following samples were submitted for analysis:

Station	Depth	Analysis
EB1-1	6.5'	EPA method 3550 (TEHk)
EB1-2	30.5'	EPA Methods 5030 and 8015/8020 (TVHk, TPHG, BTEX)
EB2-2	10'	EPA Method 8015/8020 (TPHG, BTEX)
EB2-3	15'	EPA Method 8015/8020 (TPHG, BTEX)
EB2-6	30'	EPA Method 8015/8020 (TPHG, BTEX)
EB3-1	2.5'	EPA Method 8015/8020 (TPHG, BTEX)
EB3-3	6.0'	EPA Method 8015/8020 (TPHG, BTEX)
EB3-4	9.0'	EPA Method 8015/8020 (TPHG, BTEX)
EB4-2	4.5'	Standard Method 503D/E (TOG)
EB4-6	9.0'	Standard Method 503D/E (TOG)
EB5-2	4.5'	EPA Method 3550 (TEHhf)
EB5-5	9.0'	EPA Method 3550 (TEHhf)
EB6-2	4.5'	EPA Method 8015/8020 (TPHG, BTEX)
EB6-5	9.0'	EPA Method 8015/8020 (TPHG, BTEX)

Certified analytical reports are presented in Attachment D. No constituents were detected above the practical

quantitation limit for the method employed.

SUMMARY AND CONCLUSIONS

Potential source areas identified as a result of a previous site investigation were investigated by conducting a ground penetrating radar (GPR) survey and subsurface investigation. As a result of the GPR survey, it has been established that three underground fuel storage tanks and associated piping are still located beneath the subject property. Additional source areas could not be positively identified and appear to have been removed from the site.

The qualitative and semiquantitative observations made in the course of the subsurface investigation were not generally indicative of conditions which may pose a significant threat of impairment to soil or groundwater quality. It should be emphasized, however, that this conclusion is limited to the immediate area of the individual soil borings.

Soil samples were submitted to a certified analytical laboratory for analysis of above tabulated constituents. None of the samples submitted for analysis contained detectable concentrations of petroleum hydrocarbons.

Based on the limited results of the Phase II investigation, it may be concluded that the past generation, storage, or use of hazardous materials on the subject property has a low potential for significantly impacting the environmental quality of site soil or groundwater.

RECOMMENDATION

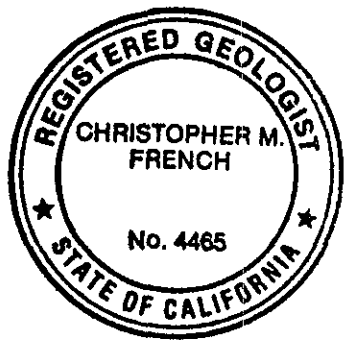
In order to bring the site into full compliance with the environmental laws and regulations, it is recommended that the underground tanks present on the property be permanently closed and removed from the site in accordance with California Code of Regulations (CCR) Title 23, Chapter 3, Subchapter 16, Article 7 and 40 Code of Federal Regulations (40 CFR) Part 260, Subpart G, Section 280.71. Additional soil sampling, conducted in compliance with applicable environmental regulations during underground tank closure, will be required to verify that an "unauthorized release" of petroleum hydrocarbons has not occurred.

Should you have any questions, please call.

Very truly yours,

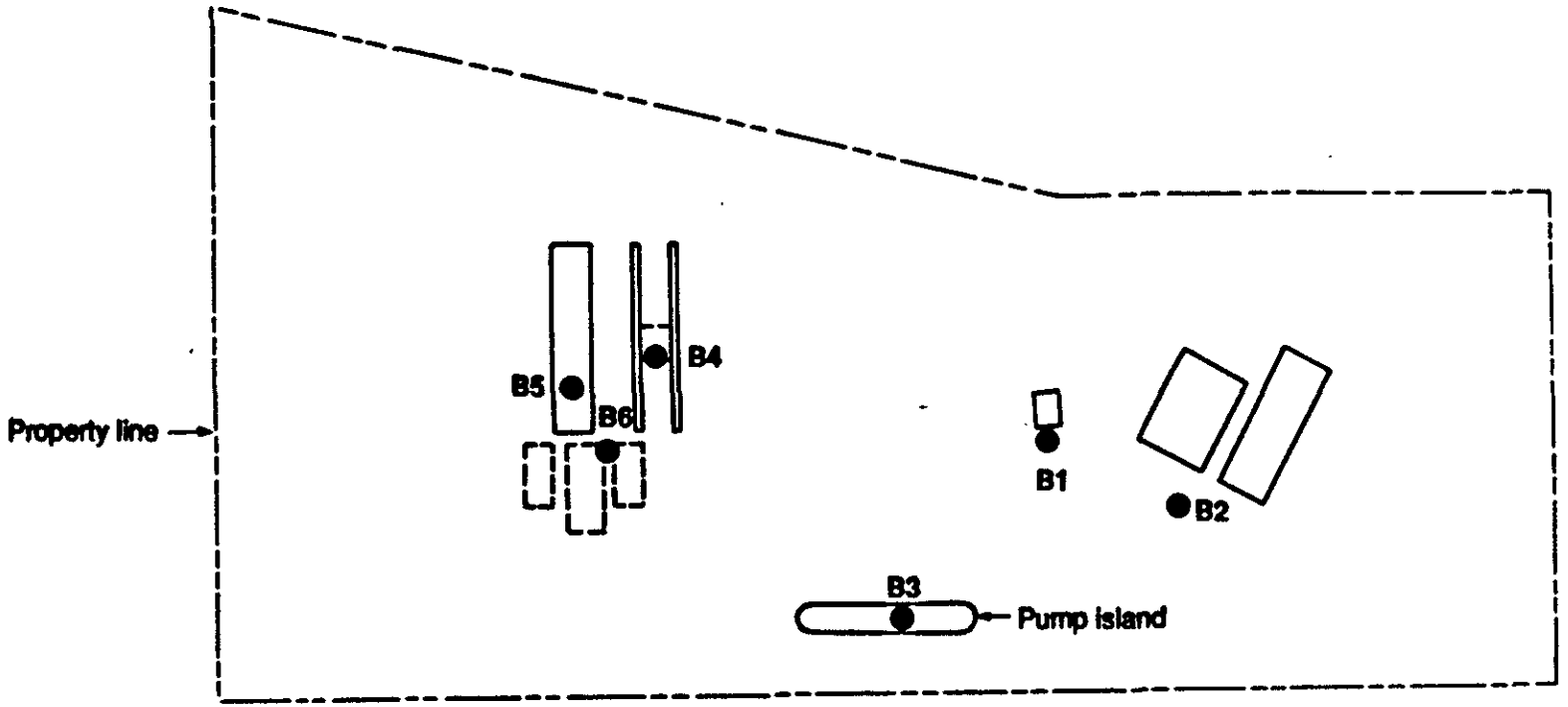
CHRISTOPHER M. FRENCH, R.G., R.E.A.

Christopher M. French, R.G., R.E.A.
Registered Geologist #4465 (Exp. 6/30/90)
Registered Environmental Assessor #307 (Exp. 6/30/90)



ATTACHMENT A

Plate



EAST 14th STREET

B1 - Former kerosene tank
B2 - Former fuel tanks
B3 - Pump Island
B4 - "Grease pit"
B5 - Hydraulic lifts
B6 - Former tanks removed 1954

In vicinity of:

Source: "Proposed Improvements, Service Station 7-636, 21450 East 14th St., Hayward."
Dated 2/28/54
Alameda County Public Works Agency

EXPLANATION

- B1 ● Boring location and designation
- Existing underground storage tank
- Underground storage tank removed

0 20 Feet

Christopher M. French, R.G. ENVIRONMENTAL INVESTIGATION, REMEDIATION, AND RISK ASSESSMENT	BORING LOCATION MAP	Pacific Trust Company
		Job Number 9023 / Date 4/90 / Plate 1

ATTACHMENT B

Sample Collection & Handling Protocol

ATTACHMENT B

SOIL & GROUNDWATER SAMPLE COLLECTION & HANDLING PROTOCOL

INTRODUCTION & PURPOSE

Because reliable and representative test results must be generated from soil and groundwater samples, it is essential to establish a sampling procedure which assures that all samples are:

- Collected by approved and repeatable methods
- Representative of the materials(s) at the desired location and depth
- Uncontaminated by container and sampling equipment

The following sampling protocol is designed to be a guide to the sampling and handling procedures for soil and groundwater samples to be collected. Based on conditions which may be encountered in the field, some modifications to this protocol may be required to fit the needs of an individual site.

SAMPLING PROCEDURES

Groundwater Sampling

Prior to collecting groundwater samples, monitoring wells will be purged by bailing until pH, conductivity, and temperature levels stabilize. Wells will be purged and groundwater samples will be obtained using a Teflon bailer and nylon rope. New nylon rope is used for each well. If floating product is present in the well, an alternate sampling method will be utilized.

The appropriate number of sample containers and type will be used for each sample collected, in accordance with the analytical laboratory requirements and EPA protocol. The bottles will be filled using the bailer, fitted with a bottom emptying device to inhibit volatilization. All sample bottles will be pre-cleaned by the supplier according to EPA protocols.

To prevent cross contamination of groundwater samples by the sampling equipment, all equipment used in sampling will be washed with a trisodium phosphate solution,

triple rinsed with distilled water, and allowed to air dry prior to each use. A sample of the distilled water used in the final rinse will be retained for analysis as part of sample quality assurance.

Soil Sampling

After the soil sampler is driven to the desired depth and the samples are retrieved, each end of the ring containing the soil sample to be retained for laboratory analysis will be sealed with Teflon sheeting, covered with plastic end caps, and sealed with PVC tape. All sample containers (tubes and end caps) will be steamed cleaned and air dried prior to use. The soil sample recovered in the ring just above the sample retained for chemical analysis will be examined in the field for visual and olfactory indications of chemical contamination and used for lithologic description.

The Unified Soil Classification System (USCS) will be used to log and describe the soil by the on-site geologist. These logs will also include details of the sampling process such as depth, apparent odors, discoloration, and any other factors which may be required to evaluate the presence of contamination at the site.

POST SAMPLING PROCEDURES

One field/travel blank consisting of one sample bottle filled with distilled water will accompany soil and groundwater sample containers at all times, including during transport to and from the site. Distilled water field/travel blanks will be analyzed according to the appropriate EPA Methods corresponding to the soil/groundwater sample analyses.

Sample containers will be labeled with sample number, project number, date, and the initials of the person collecting the sample. A separate sample collection record will be maintained for each groundwater sample collected.

Soil and groundwater samples collected will be analyzed by an analytical laboratory certified by the California Department of Health Services (DHS) for complete chemical analysis of hazardous waste as well as drinking water samples. Quality assurance documentation will accompany all analytical reports generated by the laboratory.

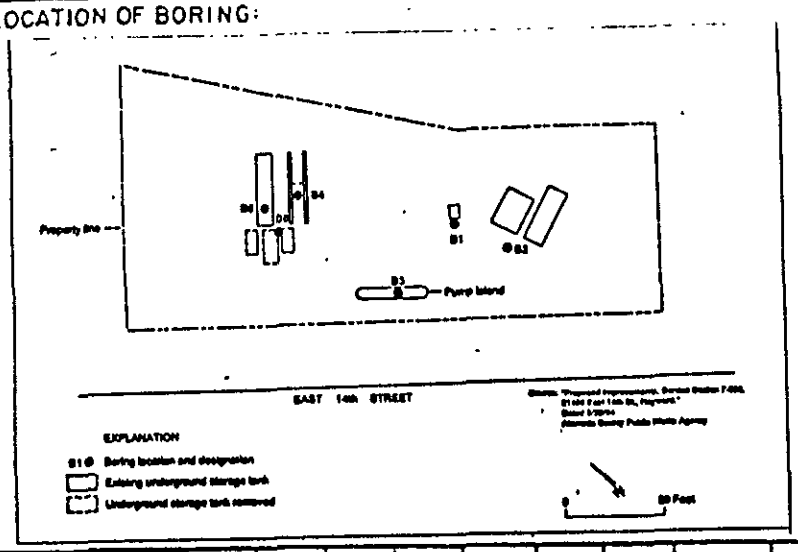
The samples will be placed in an ice cooler immediately following collection, and will remain in the ice cooler until refrigerated at the analytical laboratory. The samples will be delivered to the laboratory direct by courier or overnight freight within 48 hours of time of collection. Appropriate chain of custody forms will be used for all samples.

ATTACHMENT C

Lithologic Logs

FIELD LOG OF BORING SHEET 1 OF 3

LOCATION OF BORING:



PROJECT: Pacific Trust	BORING NO. EB1
	TOTAL DEPTH: 32'
JOB NO.: 9023.2	LOGGED BY: CMF
PROJ. MGR.: CMF	EDITED BY: CMF
DRILLING CONTRACTOR: Hew Drilling	
DRILL RIG TYPE: CME-55	
DRILLERS NAME: Cardona	
SAMPLING METHODS: split spoon	
HAMMER WT.: 140#	DROP: 30"
STARTED, TIME: 0830	DATE: 2/15/90
COMPLETED, TIME: 1040	DATE: 2/15/90
BORING DEPTH (ft.) 32'	
CASING DEPTH (ft.) -	
WATER DEPTH (ft.) perched	H_2O @ 30.5'
TIME:	
DATE:	
BACKFILLED, TIME: 1532	DATE: 2/15 BY: Hew
SURFACE ELEV.: 85'	DATUM: MSL
CONDITIONS: asphalt	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS/6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	P.I.D.			DEPTH IN FEET	GRAPHIC LOG	
										1		
										2		
										3		
3.5	SP	1	18	18			0.0			4	SM	Silty sand; dark brown (10YR, 4/3); 35% silt
		2										very fine; loose; rootlet casts; dry;
		1								5		slight o dor.
5.0	SP	2	18	18			0.0					@ 5' : clayey; no odor
		1								6		
		2										
6.5	SP	2	18	18			0.0			7		
		2										
		2								8		@ 8' : damp.
8.0	SP	2	18	18			0.0					
		3								9		
		3										
9.5	SP	2	18	18			0.0			10	SM-ML	Sandy silt, clayey to silty sand.
		3										

EE2

PROJECT: Pacific | NO. 9023.2 | BORING NO. EB1

DEPTH	TYPE	BLOWS	DRIVEN	REC'VD	COND.	D.RATE	P.I.D.			DEPTH	GRAPHIC LOG	
		3								11	SM ML	Sandy silt, clayey to silty sand (cont.) dark brown (10YR, 4/3); 35-55% silt and clay; loose; very fine to fine; root casts; damp.
11	SP	5 5	18	18			0.0			12		
12.5	SP	4 2	18	18			0.0			13		
		4 3								14		
14	SP	2 3	18	18			0.0			15	SP SM	Sand to silty sand; yellowish brown (10Yr, 5/4); trace to 15% silt and clay fine; loose; slight odor at 15'; damp. @ 17' : no odor.
15.5	SP	5 4	18	18			0.6			16		
		5 5								17		
17	SP	3 3	18	18			0.0			18		
18.5	SP	3 3	18	18			0.0			19		
		4 5								20		
20	SP	2 3	18	18			0.0			21		
21.5	SP	2 2	18	18			0.0			22		
		3 4								23		@ 23' : moist.
23	SP	2 3	18	18			0.0			24		
24.5	SP	4 2	18	18			0.0			25		
		3 3								26		
26	SP	4 4	18	18			0.0			27		
27.5	SP	4 3	18	18			0.0			28	SP SC	Sand to clayey sand; yellowish brown (10 YR, 5/4); 10-35% silt and clay; trace gravel; fine; damp to moist; no odor.
		5 5								29		
29	SP	4 5	18	18			0.0			30		
		6										

P&B

FIELD LOG OF BORING (CONTINUED)

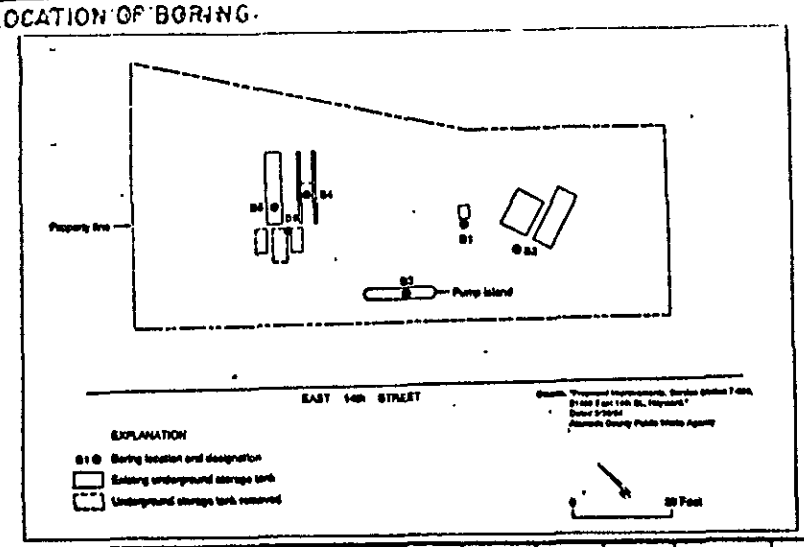
PROJECT: Pacific | NC9023.2 | BORING NO EB1

DEPTH	TYPE	BLOWS	DRIVEN	REC'V'D	COND.	D.RATE	P.I.D			DEPTH	GRAPHIC LOG	
30.5	SP	3	18	16			0.0			31	SP -SC	Sand to clayey sand (continued)
	-	10										
		7								32	SC/ SW	Clayey gravelly sand; dark yellowish brown (10YR, 3/6); 35% silt and clay; 15% gravel; very fine to coarse; moderately well graded; 1/4"-1/2" gravel; medium dense; very moist to wet; no odor.
										33		
										34		
										35		
										36		
										37		
										38		
										39		
										40		
										41		
										42		
										43		
										44		
										45		
										46		
										47		
										48		
										49		
										50		

FF8

FIELD LOG OF BORING SHEET 1 OF 4

LOCATION OF BORING



PROJECT:	BORING NO. EB2
	TOTAL DEPTH: 61.5
JOB NO.: 9023.2	LOGGED BY: CMF
PROJ. MGR.: CMF	EDITED BY: CMF
DRILLING CONTRACTOR: Hew Drilling	
DRILL RIG TYPE: CME-55	
DRILLERS NAME: Cardona	
SAMPLING METHODS: split spoon	
HAMMER WT.: 140#	DROP: 30"
STARTED, TIME: 1043	DATE: 2/15/90
COMPLETED, TIME: 1450	DATE: 2/15/90

BORING DEPTH (ft.)	61.5		
CASING DEPTH (ft.)	-		
WATER DEPTH (ft.)	perched	H_2O @	30.5'
TIME:	G.W.T.	@ 60.5'	
DATE:	2/15/90		

BACKFILLED, TIME: 1455 DATE: 2/15 BY: Hew

SURFACE ELEV.: 85' DATUM: MSL

CONDITIONS: asphalt

SAMPLE DEPTH	SAMPLER TYPE	BLOWS/6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	P.I.D.			DEPTH IN FEET	GRAPHIC LOG	
												Silty sand; dark brown (10YR, 4/3); 40%
										1	SM	silt and clay; very fine to fine;
												rootlet casts; loo se; dry.
										2		
										3		
										4		
										5		
5.0	SP	1 1	18	18			0.0			6		
		2								7		
										8		
										9		@ 9' : very faint odor; no P.I.D. response.
										10		
10.0	SP	2	18	18			0.0					@ 10' : clayey

PROJECT: Pacific | NO 9023.2 | BORING NO. EB2

DEPTH	TYPE	BLOWS	DRIVEN	REC'VD	COND.	D.RATE	P.I.D.			DEPTH	GRAPHIC LOG	
		3								11		Silty sand (continued)
		4								12		
										13		
										14		
										15	SP-SM	Silty sand to sand; yellowish brown
15	SP	2 3	18	18			0.0			16		(10Yr, 5/6); trace to 20% silt; very fine to fine; loose; very well sorted; damp;
		4								17		no odor.
										18		
										19		
										20		@ 20' : damp to moist.
20	SP	2 3	18	18			0.0			21		
		4								22		
										23		
										24		
										25		@ 25' : decreasing silt content;
25	SP	2 3	18	18			0.0			26		
		5								27		
										28		
										29		
										30		
30	SP	2	18	18			0.0					

FIELD LOG OF BORING (CONTINUED)

PROJECT: Pacific | NO9023.2 | BORING NO EB2

DEPTH	TYPE	BLOWS	DRIVEN	REC'VD	COND.	D.RATE	P.I.D.	DEPTH	GRAPHIC LOG	
		2						31	SC SW	Clayey sand to clayey gravelly sand; dark grayish brown (10YR, 4/2); 35% silt and clay; 25% gravel; very fine to coarse; 1/4" - 1/2"; well graded; loose to medium-dense; wet; no odor.
								32		
								33		
								34		
								35		@ 35' : very clayey and gravelly; moist.
35	SP	5 5	18	18			0.0	36	SP	Sand; yellowish brown (10YR, 5/6); trace silt and clay; very fine to fine; very well sorted; medium dense; dry to damp.
		14						37		
								38		
								39		Clayey sand to clayey gravelly sand; dark yellowish brown (10YR, 4/4); 35% silt and clay; trace to 20% gravel; very fine to coarse; very well graded; medium dense; sandy intervals moist; clayey intervals moist to wet.
40	SP	3 3	18	18			0.0	40	SC -SW	
		12						41		
								42		
								43		
								44		
45	SP	13 15	18	18			0.0	45	SW	Gravelly sand, clayey; dark yellowish brown (10YR 4/4); 5-15% silt and clay; 25% gravel; fine to coarse; medium dense to dense; very well graded; weathered; damp to moist.
		17						46		@ 46' : very dense.
								47		
								48		
								49		
50	SP	11	18	14				50		@50' : decreasing clay content; mod. weathered; moist to wet

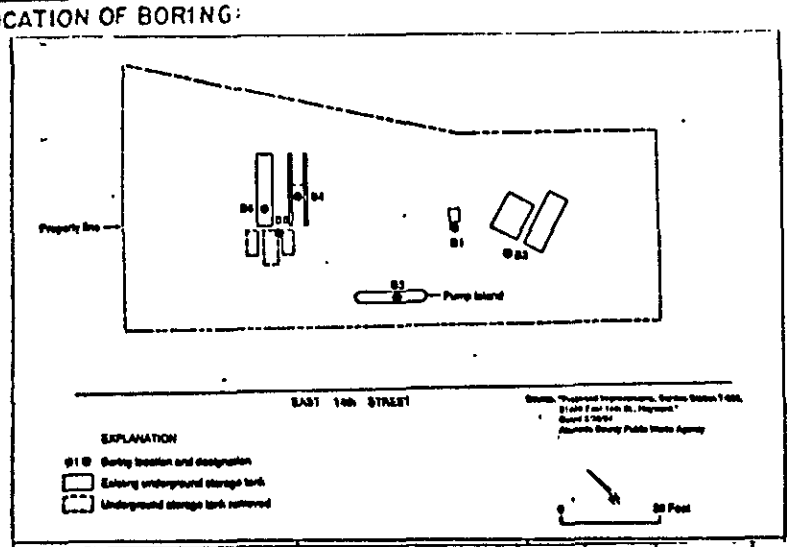
FIELD LOG OF BORING (CONTINUED)

PROJECT: Pacific | NO 9023.2 | BORING NO. EB2

DEPTH	TYPE	BLOWS	DRIVEN	REC'VD	CONO.	D.RATE	P.I.D.			DEPTH	GRAPHIC LOG	
		19	18	18			0.0			51	SW	Gravelly sand (continued)
										52		
										53		
										54		
										55	CL	Clay; yellowish brown (10YR 5/6); medium tough; stiff; low dilatancy; damp.
55	SP	5 6	18	18			0.0			56		
		7								57		
										58		
										59		
										60		@ 60' : brown (10Yr, 5/3); very tough; wet.
60	SP	5 9	18	18			0.0			61		Groundwater encountered at 60.5 feet;
		12										sealed base of annulus with five fet of bentonite.
										62		
										63		
										64		
										65		
										66		
										67		
										68		
										69		
										70		

FIELD LOG OF BORING SHEET 1 OF 1

LOCATION OF BORING:



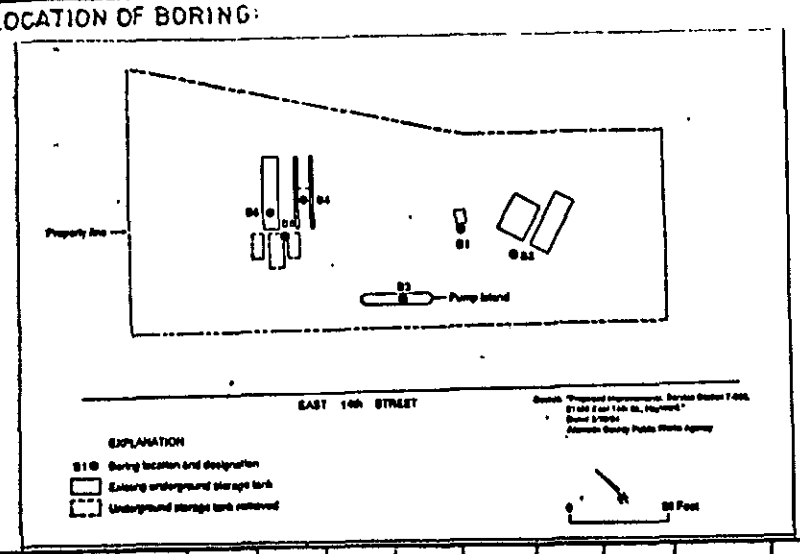
PROJECT: Pacific Trust	BORING NO. EB3
	TOTAL DEPTH 6.5'
JOB NO.: 9023.2	LOGGED BY: CMF
PROJ. MGR.: CMF	EDITED BY: CMF
DRILLING CONTRACTOR: Hew Drilling	
DRILL RIG TYPE: CME-55	
DRILLERS NAME: Cardona	
SAMPLING METHODS: Split Spoon	
HAMMER WT.: 140#	DROP: 30"
STARTED, TIME: 0815	DATE: 2/16/90
COMPLETED, TIME: 0845	DATE: 2/16/90
BORING DEPTH (ft.) 7.5'	
CASING DEPTH (ft.) -	
WATER DEPTH (ft.) -	
TIME: -	
DATE: -	
BACKFILLED, TIME: 1030	DATE: 2/16 BY: Hew
SURFACE ELEV.: 85'	DATUM: MSL
CONDITIONS: asphalt	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS/6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	P.I.D.			DEPTH IN FEET	GRAPHIC LOG	
										1		
1.5	SP	2	18	18			2.2			2	MT, -SM	Sandy silt to silty sand; dark grayish brown (10YR,4/2); 35-55% silt; very fine; loose; damp; slight odor.
		2 1								3		@ 3.0' : decreasing odor
3.0	SP	1 1	18	18			1.0			4		
4.5	SP	1 1	18	18			0.4			5		
		1 2								6		@ 6.0' : no odor
6.0	SP	2 3	18	18			0.0			7		
		4								8		
										9		
										10		

FF7

FIELD LOG OF BORING SHEET 1 OF 1

LOCATION OF BORING:



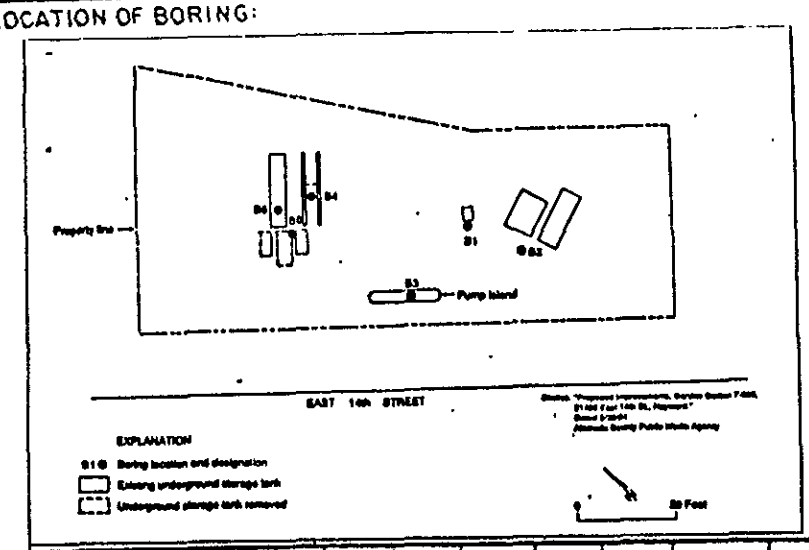
PROJECT: Pacific Trust	BORING NO. EB4
	TOTAL DEPTH: 10.5
JOB NO.: 9023.2	LOGGED BY: CMF
PROJ. MGR.: CMF	EDITED BY: CMF
DRILLING CONTRACTOR: Hew Drilling	
DRILL RIG TYPE: CME-55	
DRILLERS NAME: Cardona	
SAMPLING METHODS: Split spoon	
HAMMER WT.: 140#	DROP: 30"
STARTED, TIME: 0854	DATE: 2/16/90
COMPLETED, TIME: 0920	DATE: 2/16/90
BORING DEPTH (ft.) 10.5'	
CASING DEPTH (ft.) –	
WATER DEPTH (ft.) –	
TIME: –	
DATE: –	
BACKFILLED, TIME: 1045	DATE: 2/16 BY: Hew
SURFACE ELEV.: 85	DATUM: MSL
CONDITIONS: asphalt	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS/6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	P.I.D.			DEPTH IN FEET	GRAPHIC LOG	
										1		
1.5	SP	3	18	18			0.0			2	SM	Silty sand; dark grayish brown (10YR 2/2); 35% silt; very fine; loose; damp; no odor.
		2 2								3		
3.0	SP	1 1	18	18			0.0			4		
4.5	SP	1 1	18	18			N/A			5		
		1 2								6		
6.0	SP	1 2	18	18			N/A			7		
7.5	SP	3 2	18	18			N/A			8		
		2 4								9		
9.0	SP	2 3	18	18			N/A			10		
		4										

FF7

FIELD LOG OF BORING SHEET 1 OF 1

LOCATION OF BORING:

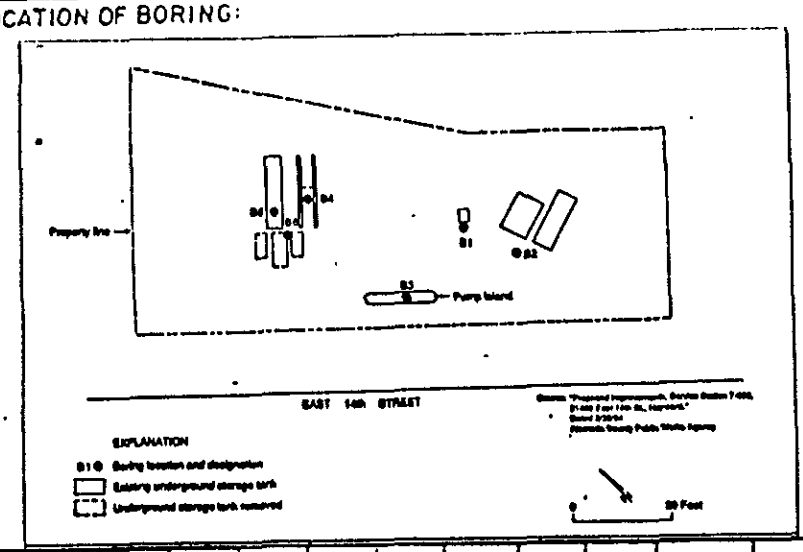


PROJECT: Pacific Trust	BORING NO. EB5
	TOTAL DEPTH 9.0
JOB NO.: 9023.2	LOGGED BY: CMF
PROJ. MGR.: CMF	EDITED BY: CMF
DRILLING CONTRACTOR: Hew Drilling	
DRILL RIG TYPE: CME-55	
DRILLERS NAME: Cardona	
SAMPLING METHODS: split spoon	
HAMMER WT.: 104#	DROP: 30'
STARTED, TIME: 0926	DATE: 2/16/90
COMPLETED, TIME: 0955	DATE: 2/16/90
BORING DEPTH (ft.) 9.0'	
CASING DEPTH (ft.) -	
WATER DEPTH (ft.) -	
TIME: -	
DATE: -	
BACKFILLED, TIME: 1053	DATE: 2/16 BY: Hew
SURFACE ELEV.: 85'	DATUM: MSL
CONDITIONS: asphalt	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS/6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	P.I.D.			DEPTH IN FEET	GRAPHIC LOG	
										1		
1.5	SP	4	18	18			N/A			2	SM	Silty sand, clayey; dark grayish brown (10YR,2/2); 30% silt and clay; very fine; loose; damp.
		5 5								3		
3.0	SP	1 1	18	18			N/A			4		
4.5	SP	1 1	18	18			N/A			5		Lab analyzed sample
		1 2								6		
5.0	SP	1 2	18	18			NA			7		
6.5	SP	4 1	18	18			NA			8		
		2 3								9		Lab analyzed sample
										10		

FIELD LOG OF BORING SHEET 1 OF 1

LOCATION OF BORING:



PROJECT: Pacific Trust
BORING NO. EB6
TOTAL DEPTH: 9.0
JOB NO.: 9023.2
LOGGED BY: CMF
PROJ. MGR.: CMF
EDITED BY: CMF
DRILLING CONTRACTOR: Hew Drilling
DRILL RIG TYPE: CME-55
DRILLERS NAME: Cardona
SAMPLING METHODS: split spoon
HAMMER WT.: 140# DROP: 30"
STARTED, TIME: 0959 DATE: 2/16/90
COMPLETED, TIME: 1020 DATE: 2/16/90

BORING DEPTH (ft.)	9.0'		
CASING DEPTH (ft.)	-		
WATER DEPTH (ft.)	-		
TIME:	-		
DATE:	-		

BACKFILLED, TIME: 1103 DATE: 2/16 BY: Hew
SURFACE ELEV.: 85' DATUM: MSL
CONDITIONS: asphalt

SAMPLE DEPTH	SAMPLER TYPE	BLOWS/6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	P.I.D.			DEPTH IN FEET	GRAPHIC LOG	
											SW -SC	Clayey gravely sand fill; dark grayish brown (10YR,2/2); 35% silt and clay; 15% gravel; fine to coarse; 1/4 inch; medium dense; moist.
1.5	SP	3	18	18			NA			2		
		3 2								3	SM -SC	Silty clayey sand; dark grayish brown (10YR, 2/2); 30% silt and clay; 10% gravel; fine; 1/4 inch; damp.
3.0	SP	2 3	18	18			NA			4		
4.5	SP	3 2	18	18			NA			5	SM	~~lab analyzed sample~~ Silty sand, clayey; dark grayish brown (10YR,2/2) to yellowish brown (10YR, 5/6); 30% silt and clay; fine; loose; damp.
		2 2								6		
6.0	SP	3 4	18	18			NA			7		
7.5	SP	5 3	18	18			NA			8		
		2 4								9		~~lab analyzed sample~~
										10		

FF7

ATTACHMENT D

Certified Analytical Report and
Chain of Custody Documentation

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive Suite E. San Jose. CA 95131
(408) 432-8192 • Fax (408) 432-8198

REPORT

Christopher French
French & Associates
2735 Elmwood Avenue
Berkeley, CA 94705

March 07, 1990
Anametrix W.O.#: 9002190
Date Received : 02/20/90
Project Number : 9023

Dear Mr. French:

Your samples have been received for analysis. The REPORT SUMMARY lists your sample identifications and the analytical methods you requested. The following sections are included in this report: RESULTS.

NOTE: Amounts reported are net values, i.e. corrected for method blank contamination.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

ANAMETRIX, INC.

Terry Cooke
TPH Supervisor

TC/dag

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : French & Associates
Address : 2735 Elmwood Avenue

City : Berkeley, CA 94705
Attn. : Christopher French

Anametrix W.O.#: 9002190
Date Received : 02/20/90
Purchase Order#: N/A
Project No. : 9023
Date Released : 03/07/90

Anametrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
9002190-01	EB1-1	SOIL	02/15/90	TPHd	02/23/90	03/05/90	N/A
9002190-02	EB1-2	SOIL	02/15/90	TPH	02/23/90	03/05/90	N/A
9002190-03	EB2-2	SOIL	02/15/90	TPHg		02/22/90	N/A
9002190-04	EB2-3	SOIL	02/15/90	TPHg		02/22/90	N/A
9002190-05	EB2-6	SOIL	02/15/90	TPH	02/23/90	03/05/90	N/A
9002190-06	EB3-1	SOIL	02/16/90	TPHg		02/23/90	N/A
9002190-07	EB3-3	SOIL	02/16/90	TPHg		02/23/90	N/A
9002190-08	EB3-4	SOIL	02/16/90	TPHg		02/22/90	N/A
9002190-09	EB4-2	SOIL	02/16/90	503E	02/27/90	02/27/90	N/A
9002190-10	EB4-6	SOIL	02/16/90	503E	02/27/90	02/27/90	N/A
9002190-11	EB5-2	SOIL	02/16/90	TPHd	02/23/90	03/02/90	N/A
9002190-12	EB5-5	SOIL	02/16/90	TPHd	02/23/90	03/02/90	N/A
9002190-13	EB6-2	SOIL	02/16/90	TPHg		02/23/90	N/A
9002190-14	EB6-5	SOIL	02/16/90	TPHg		02/23/90	N/A

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB1-1	Anametrix I.D.	: 9002190-01
Matrix	: SOIL	Analyst	: mb
Date sampled	: 02/15/90	Supervisor	: TC
Date anl.TPHg	: N/A	Date released	: 03/07/90
Date ext.TPHd	: 02/23/90	Date ext. TOG	: N/A
Date anl.TPHd	: 03/05/90	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
	TEHk as Kerosene	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TEHk - Total Extractable Petroleum Hydrocarbons as kerosene is determined by GCFID following either EPA Method 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB1-2	Anametrix I.D.	: 9002190-02
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/15/90	Supervisor	: TC
Date anl.TVHk	: 02/23/90	Date released	: 03/07/90
Date ext.TEHk	: 02/23/90	Date ext. TOG	: N/A
Date anl.TEHk	: 03/05/90	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TVHk as Kerosene	1000	ND
	TEHk as Kerosene	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TVHk - Total Volatile Petroleum Hydrocarbons as kerosene is determined by GCFID using EPA Method 5030.
TEHk - Total Extractable Petroleum Hydrocarbons as kerosene is determined by GCFID following either EPA Method 3550.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB2-2	Anametrix I.D.	: 9002190-03
Matrix	: SOIL	Analyst	: mf
Date sampled	: 02/15/90	Supervisor	: TC
Date anl.TPHg	: 02/22/90	Date released	: 03/07/90
Date ext.TPHd	: N/A	Date ext. TOG	: N/A
Date anl.TPHd	: N/A	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB2-3	Anametrix I.D.	: 9002190-04
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/15/90	Supervisor	: TC
Date anl.TPHg	: 02/22/90	Date released	: 03/07/90
Date ext.TPHd	: N/A	Date ext. TOG	: N/A
Date anl.TPHd	: N/A	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB2-6	Anametrix I.D.	: 9002190-05
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/15/90	Supervisor	: TC
Date anl.TVHk	: 02/22/90	Date released	: 03/07/90
Date ext.TEHk	: 02/23/90	Date ext. TOG	: N/A
Date anl.TEHk	: 03/05/90	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TVHk as Kerosene	1000	ND
	TEHk as Kerosene	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TVHk - Total Volatile Petroleum Hydrocarbons as kerosene is determined by GCFID using EPA Method 5030.
TEHk - Total Extractable Petroleum Hydrocarbons as kerosene is determined by GCFID following either EPA Method 3550.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB3-1	Anametrix I.D.	: 9002190-06
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/16/90	Supervisor	: TC
Date anl.TPHg	: 02/23/90	Date released	: 03/07/90
Date ext.TPHd	: N/A	Date ext. TOG	: N/A
Date anl.TPHd	: N/A	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB3-3	Anametrix I.D.	: 9002190-07
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/16/90	Supervisor	: TC
Date anl.TPHg	: 02/23/90	Date released	: 03/07/90
Date ext.TPHd	: N/A	Date ext. TOG	: N/A
Date anl.TPHd	: N/A	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB3-4	Anametrix I.D.	: 9002190-08
Matrix	: SOIL	Analyst	: mt
Date sampled	: 02/16/90	Supervisor	: TC
Date anl.TPHg	: 02/22/90	Date released	: 03/07/90
Date ext.TPHd	: N/A	Date ext. TOG	: N/A
Date anl.TPHd	: N/A	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9023 EB4-2
Matrix : SOIL
Date sampled : 02/16/90
Date anl.TPHg : N/A
Date ext.TPHd : N/A
Date anl.TPHd : N/A

Anametrix I.D. : 9002190-09
Analyst : C.F
Supervisor : MP
Date released : 03/07/90
Date ext. TOG : 02/27/90
Date anl. TOG : 02/27/90

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
	Total Oil & Grease	30000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB4-6	Anametrix I.D.	: 9002190-10
Matrix	: SOIL	Analyst	: C.F.
Date sampled	: 02/16/90	Supervisor	: GP
Date anl.TPHg	: N/A	Date released	: 03/07/90
Date ext.TPHd	: N/A	Date ext. TOG	: 02/27/90
Date anl.TPHd	: N/A	Date anl. TOG	: 02/27/90

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
	Total Oil & Grease	30000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB5-2	Anametrix I.D.	: 9002190-11
Matrix	: SOIL	Analyst	: [illegible]
Date sampled	: 02/16/90	Supervisor	: TC
Date anl.TPHg	: N/A	Date released	: 03/07/90
Date ext.TEHhf	: 02/23/90	Date ext. TOG	: N/A
Date anl.TEHhf	: 03/02/90	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
	TEHhf as Hydraulic Fluid	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TEHhf - Total Extractable Hydrocarbons as Hydrolic Fluid is determined by GCFID using EPA Method 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB5-5	Anametrix I.D.	: 9002190-12
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/16/90	Supervisor	: TC
Date anl.TPHg	: N/A	Date released	: 03/07/90
Date ext.TEHhf	: 02/23/90	Date ext. TOG	: N/A
Date anl.TEHhf	: 03/02/90	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
	TEHhf as Hydraulic Fluid	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TEHhf - Total Extractable Hydrocarbons as Hydrolic Fluid is determined by GCFID using EPA Method 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9023 EB6-2	Anametrix I.D.	: 9002190-13
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/16/90	Supervisor	: TC
Date anl.TPHg	: 02/23/90	Date released	: 03/07/90
Date ext.TPHd	: N/A	Date ext. TOG	: N/A
Date anl.TPHd	: N/A	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9023 EB6-5
Matrix : SOIL
Date sampled : 02/16/90
Date anl.TPHg : 02/23/90
Date ext.TPHd : N/A
Date anl.TPHd : N/A

Anametrix I.D. : 9002190-14
Analyst : mh
Supervisor : TC
Date released : 03/07/90
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
71-43-2	Benzene	5	ND
108-88-3	Toluene	5	ND
100-41-4	Ethylbenzene	5	ND
1330-20-7	Total Xylenes	5	ND
	TPH as Gasoline	1000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

13.00

10/8

10/13

Christopher M. French, R.G.
2735 ELMWOOD AVENUE
BERKELEY CALIFORNIA 94705

Anametrix 9002190

CHAIN OF CUSTODY RECORD

PROJECT: 9023 - Pacific Trust

SAMPLERS: (Signature) Chris M. French

	LAB #	STATION	DATE	TIME	WATER	SEDIMENT	TPHG & BTXE	TPHD	TOG		NUMBER OF CONTAINERS	REMARKS
01)	EB1-1	B-1/6.5'	2/15/90	0843		X		X			1	KEROSINE
02)	EB1-2	B-1/30.5'	2/15/90	1020		X	X	X			1	KEROSINE
03)	EB2-2	B-2/10'	↓	11:03		X	X					
04)	EB2-3	B-2/15'		11:10		X	X					
05)	EB2-6	B-2/30'	↓	11:50		X	X	X				INCL. KEROSINE
06)	EB3-1	B-3/2.5'	2/16/90	0824		X	X					
07)	EB3-3	B-3/6'	↓	0832		X	X					
08)	EB3-4	B-3/9'		0843		X	X					
09)	EB4-2	B-4/4.5'		9:05		X			X			
10)	EB4-6	B-4/10.5'	↓	9:17		X			X			

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
Christopher M. French	Taghi Kermelati	2/20/90 9:35
Taghi Kermelati	[signature]	2/20/90 11:45

RELINQUISHED BY: (Signature)

REC'VD BY MOBILE LAB FOR FIELD ANAL.: (Signature)

DATE/TIME

DISPATCHED BY: (Signature) | DATE/TIME | RECEIVED FOR LAB BY: (Signature) | DATE/TIME

METHOD OF SHIPMENT:

Distribution: Original – Accompany Shipment
One Copy – Survey Coordinator Field Files

Normal T.A.T. per Taghi NS 2-20-90

Christopher M. French, R.G.
2735 ELMWOOD AVENUE
BERKELEY CALIFORNIA 94705

Anamty 9002190

CHAIN OF CUSTODY RECORD

PROJECT				SAMPLERS: (Signature)								
9023 - Pacific Trust Company				Christopher M. French								
LAB #	STATION	DATE	TIME	SAMPLE TYPE						QC SAMPLES (NUMBER)	REMARKS	
				WATER	SEDIMENT	TPHD	TOG	TPHG BTXE				
11) EB5-2	B-5/4.5'	2/16/90	0940		X	X					HYDRAULIC FLUID	
12) EB5-5	B-5/95'	↓	0953		X	X					HYDRAULIC FLUID	
13) EB6-2	B-6/4.5'	↓	1008		X			X				
14) EB6-5	B-6/90'	↓	1022		X			X				

RELINQUISHED BY: (Signature) Christopher M. French	RECEIVED BY: (Signature) Jahi Marshall	DATE/TIME 2/20/90 9:35
RELINQUISHED BY: (Signature) Jahi Marshall	RECEIVED BY: (Signature) Dan Sk	DATE/TIME 2/21/90 11:45
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	REC'V'D BY MOBILE LAB FOR FIELD ANAL: (Signature)	DATE/TIME

DISPATCHED BY: (Signature)	DATE/TIME	RECEIVED FOR LAB BY: (Signature)	DATE/TIME

METHOD OF SHIPMENT:

Distribution: Original - Accompany Shipment
One Copy - Survey Coordinator Field Files