Christopher M. French, R.G.
R G #4465
R E A #00307

ENVIRONMENTAL INVESTIGATION REMEDIATION AND RISK ASSESSMENT
2735 ELMWOOD AVENUE
BERKELEY CALIFORNIA 94705
(415) 486-0722 October 2, 1990
537-2520

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

Subject: Underground Storage Tank Closure Report, Hayward Motors, 21450 Mission Blvd., Alameda County, CA

Dear Mr. Adams:

This report presents the results of closure activities associated with removal of three underground fuel storage tanks formerly located at Hayward Motors, 21450 Mission Boulevard, Alameda County, California. Included in the report are 1) a description of previous site investigations, 2) a review of site activities and observations associated with tank closure, 3) an explanation of sampling procedures and locations, 4) a copy of certified analytical reports and chain of custody documentation, and 5) hazardous waste manifests for transport and disposition of the storage tanks.

SITE DESCRIPTION

The subject property lies in an unincorporated area of Alameda County, in close proximity to the Hayward City limits (Plate 1, Attachment A). Between 1939 and approximately 1963, the property appears to have been used first as an oil storage facility (above ground), and subsequently as an independent and a Chevron gasoline service station. The three underground storage tanks described in this report were installed in 1954 and taken out of service in 1963. From 1963 until the present time, the property has been used for the sale of automobiles.

Previous Subsurface Investigation

The locations of the three underground storage tanks are shown in Plate 2, Attachment A. The location of the one 1,000 gallon and one 2,000 gallon underground gasoline storage tank, and the one eighty (80) gallon kerosine tank were confirmed by a ground penetrating radar survey performed in the course of previous environmental investigations of the property. A detailed subsurface drilling investigation has also been performed prior to tank closure activities for the purpose of evaluating the presence or absence of contaminants in the subsurface. Six soil borings have been installed, including three in the area of the underground storage tanks and lines (EB-1, EB-2 and EB-3), and three additional borings in other areas of interest on the property (EB-4, EB-5 and EB-6). Continuous soil samples were collected during initial drilling beneath the underground storage tank (UST) area, and representative soil samples were appropriately preserved and submitted to a DHS-certified analytical laboratory for analysis of petroleum hydrocarbons.

Detectable concentrations of petroleum hydrocarbons were not encountered in the previous investigation. On the basis of the analytical results of the previous subsurface investigation, summarized in Table 1, Attachment B, it may be concluded that the past generation, storage, or use of petroleum hydrocarbons on the subject property has a low potential for impacting the environmental quality of site soil and groundwater, and has essentially no potential for adversely impacting the present or future beneficial uses of waters of the state.

Geologic Setting

The site is located at an approximate elevation of 85 feet above mean sea level. The topographic gradient is directed west-southwest. The closest surface water is San Lorenzo Creek, which abuts against the east (upgradient) side of the property. The creek is an ephemeral, concrete-lined canal maintained by the Alameda County Flood Control and Water Conservation District, and flows into

"Uppermost saturated horizon encountered in a borehole" = First groundwater"

ite surface water drainage is controlled by the site grading and the storm

located within the Coast Range Physiographic Province. Sediments underlying the aternary alluvial deposits derived from Mesozoic marine sediments and intrusives and cene volcanics of the Diablo Range (G.D. Robinson, 1956). The subject property lies in close oximity to the Hayward fault (D.H. Radbruch-Hall, 1974), a regional, right lateral, strike slip fault trending northwest-southeast.

Subsurface Conditions

Previous borings have been extended to depths ranging from 10 to 65 feet below grade. Subsurface conditions are well defined as a result of the previous investigation. Lithologic borings which detail subsurface conditions are presented in Attachment C.

In general, the site may be characterized by an upper sequence of sandy silt, which grades at depth to a fine well sorted sand and clayey sand. These soils are present to a depth of approximately 30 feet. The upper sequence is underlain by a distinctly different lithology, composed of highly weathered, interbedded, clayey to clayey, gravelly sands to a depth of 55 feet. A stiff clay was encountered below depths of 55 feet.

Occurrence of Groundwater

From a technical standpoint, "groundwater" includes all water located in the subsurface, including that in the unsaturated zone where capillary pressures are negative, and that in the saturated zone where pore pressures are positive. From a legal and regulatory standpoint, "groundwater" is defined as that subsurface water which will flow into a well (California Code of Regulations [CCR] Title 23, Chapter 3, Subchapter 16, Article 2621). Based upon the legal definition as it applies to the underground tank laws, groundwater beneath the site was first encountered at a depth of approximately 61.5 feet.

A zone of high moisture content, referred to as a perched zone in previous reports, has been encountered between 30 and 31.5 feet in Borings EB-1 and EB-2. This zone has been sampled in both borings and submitted for laboratory analysis. The zone of near saturation occurs within an interbedded sequence of clayey sand and sand. Additional zones of high moisture content are present in deeper intervals of the unsaturated zone. The appearance of saturation may be attributed to stratification and capillary pressure effects in the zone of unsaturated flow (Heath, 1983). The probability is extremely low that the zones of near saturation would yield water to a monitoring well. This is due to the influence of negative pore pressures present in the unsaturated zone.

True saturated conditions were not encountered until a depth of 61.5 feet below grade. The groundwater exists in a semiconfined to confined state, and is separated from the overlying unsaturated zone by a [illegible] confining clay layer of medium stiffness, high toughness and low

Hoop EB1 (32'±) + EB2 say "perched H2O" at ± 30'

Two borings have been located in the immediate vicinity of the former underground storage tank area (Plate 2), and five samples collected from the borings have been submitted for analysis of petroleum hydrocarbons, including total petroleum hydrocarbons as gasoline (TPHG), total extractable hydrocarbons as kerosine (TEHK) and benzene, toluene, ethylbenzene and xylene

(BTEX). Two of the soil samples were collected from separate borings in the first encountered zone of near saturation at a depth of 30 - 31.5 feet, directly beneath the UST installation. As summarized in Table 1, Attachment A, none of the samples contained any detectable concentration of any petroleum hydrocarbons.

It is concluded that the potential beneficial uses of groundwater have not been impacted by on site activities, as any subsurface migration of petroleum hydrocarbons would have first impacted the referenced zone of high moisture content prior to encountering groundwater. As discussed previously, the zone of high moisture content is located at approximately 31 feet, and groundwater is located at approximately 61 feet.

UNDERGROUND STORAGE TANK CLOSURE

K.T.W. & Associates, located in Fremont, California, provided contractor services associated with tank excavation. Excavation activities commenced on 28 June, 1990. Underground tanks were transported from the site by Exceltrans Inc., a licensed hazardous waste hauler. Regulatory oversight of tank closure activities was provided by representatives of the Alameda County Health Care Services Agency (ACHCSA) and the Eden Consolidated Fire District (ECFD). A California Registered Geologist with over five years direct experience in the hazardous waste industry supervised sample collection activities for minimum verification analyses (MVA). Anametrix, Inc. of San Jose, California, a DHS certified analytical laboratory, provided analytical services.

Preclosure Activities

Both gasoline tanks and the kerosine/diesel tank contained residual petroleum liquids. These liquids were pumped from the tanks and transported from the site as a hazardous waste by a licensed hazardous waste transporter. The presence of liquid in all three tanks after a period of approximately 30 years indicates that no leakage occurred from the basal portion of the tanks.

Closure Activities and Observations

Closure activities were documented by the ACHCSA
single wall steel construction. U.L. labels were still
contained no indications of corrosion, pits or leakage
tank was corroded. This corrosion appears to have
discontinued, however, because no indications of sev
tank have been observed by field observation or mea
kerosine tank showed indications of strong oxidation,
was noted. Odor was present in soil beneath the tan

That's if the hole wasn't already there + leak wasn't long term.

Estimate of Quantity of Hydrocarbon Lost

The measured concentration and limited extent of soil contamination present in site soil indicates that the probable volume of fuel lost has been minimal. The total capacity of the kerosine tank is 80 gallons. A hole was observed at the approximate center line of the tank, corresponding to an approximate residual tank volume of 45 gallons. At least 25 gallons of fuel is reported to have been present in the tank prior to closure. If the tank is assumed to have been completely full when abandoned in 1963, then the maximum quantity of fuel which could have been lost would amount to between 35 and 55 gallons.

Given the very small initial capacity of the tank, the value of residual soil contamination detected

beneath the tank (Table 2, Attachment B), and the absence of any contamination detected at depth beneath the tank during the soil boring program (Borings EB-1 and EB-2, Table 1, Attachment B), there is a very high probability that the release has not significantly impacted the subsurface of the site. It is not however possible to estimate the actual quantity of fuel lost due to uncertainties regarding biodegradation rates and other attenuation factors which may have been operative over the period of time the petroleum hydrocarbon has been present in site soil.

Tank Removal and Transport

The tanks were removed and transported from the site under hazardous waste manifest by Erickson Inc., a licensed hazardous waste transporter. Copies of the hazardous waste manifests and certificates of disposal are presented in Attachment D.

Soil Sampling for Minimum Verification Analysis

In accordance with applicable Regional Water Quality Control Board (RWQCB) guidelines, one soil sample was collected from the kerosine tank excavation and two soil samples were collected from opposite sides of each gasoline tank. The locations of the soil samples are shown in Plate 3, Attachment A.

Sampling Protocol

A California Registered Geologist conducted soil sampling activities associated with closure. Sampling activities proceeded immediately upon removal of the tanks. Activities were witnessed by the representatives of the NCDEM. Soil samples were collected from approximately two feet below the base of the tanks by driving a brass tube into the excavated soil using a rubber mallet. The filled tube was capped with teflon and plastic, appropriately labelled, and immediately stored on ice. Following sampling activities, the samples were immediately transported and submitted to the Department of Health Services (DHS) certified laboratory under appropriate Chain of Custody protocol.

CERTIFIED ANALYTICAL RESULTS

Samples collected for minimum verification analyses (MVA) and evaluation of the effectiveness of remedial action were analyzed in accordance with appropriate regulatory guidelines contained within Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks (RWQCB, 1989). A summary table of analytical results is presented in Table 2, Attachment B. Certified Analytical Reports and chain of custody documentation are presented in Attachment E.

Minimum Verification Analyses (MVA)

A total of five samples have been collected for the purpose of minimum verification analysis (MVA). The locations of the samples are shown in Plate 3, Attachment A. With the exception of Sample TP-K-1, the samples collected for MVA contained no detectable concentrations of total petroleum hydrocarbons as gasoline, benzene, toluene, or ethylbenzene. A trace quantity of total xylenes has been detected in sample TP-1K-E.

Stockpiled Soils

Three discrete soil samples have been collected from the stockpiled soils. The samples contained no detectable concentrations of petroleum hydrocarbons and benzene, toluene and ethylbenzene. One

sample contained trace concentrations of total xylenes. Stockpiles? what were they? < .036 ppm Xylenes is it uncontam.

SOIL STOCKPILING

Uncontaminated soil removed from the gasoline tank excavation has been stockpiled south of the tank excavation (Plate 3). Following receipt of analytical results, the uncontaminated soil containing non detectable concentrations of total petroleum hydrocarbons as gasoline (TPHG) has been used for backfilling of the gasoline tank excavation. A small quantity of contaminated soil removed from the small 80 gallon kerosine/diesel tank overexcavation has been stockpiled separately. This soil remains on site pending receipt of analytical results.

REMEDIAL RESPONSE MEASURES (OVEREXCAVATION)

The soil located beneath the kerosine tank has been overexcavated. Overexcavation activities occurred on 25 July 1990, following notification of the ACHCSA. Approximately six cubic yards of soil were removed from beneath the former base of the tank and stockpiled on site. The limits of removal were determined by field monitoring with an organic vapor analyzer (OVA) and visual examination of soil. Observable indications of contamination were not encountered below a depth of 4.5 feet.

Effectiveness of Remedial Action

Analytical results obtained from overexcavation sampling are presented in Table 3, Attachment B. Three soil samples have been collected from the stockpile of excavated soil. The average TPHD concentration of excavated soil is 360 milligrams per kilogram (mg/Kg), or parts per million (ppm). Five soil samples were collected from the sidewalls and base of the excavation. The average concentration of soil remaining in place is 52 ppm. This latter average has been calculated assuming a concentration of 5 ppm for those soil samples containing nondetectable (<10ppm) concentrations of hydrocarbon. The analytical results of overexcavation indicate that an 86 percent reduction in residual source contaminant concentrations was achieved by the remedial action.

Estimate of Hydrocarbon Remaining in Site Soil

An estimate of the quantity of hydrocarbon remaining in site soil may be prepared by making the following assumptions: 1) Site soil has a density of 2.65 grams per cubic centimeter (g/cm^3); 2) an average hydrocarbon concentration of 52 mg/Kg is present in a soil column with a length and width of 4.5 feet and a depth of 27 feet, for a total of volume of 547 ft^3 (1.55 E+7 cm^3); and 3) the fluid density of the hydrocarbon is approximately 0.85 grams per liter (g/L).

By multiplying the total mass of contaminated soil by the average concentration of hydrocarbon in soil, it is possible to provide an approximation of the mass of hydrocarbon present. The total mass of potentially contaminated soil is approximately:

Mass = Vol. x Dens. = [1.55 E+7 cm^3] x [2.65 g/cm^3 x 1 Kg / 1 E+3 g] = 4.11 E+4 Kg (1)

The total mass of hydrocarbon present is approximately:

$Mass = Mass_{soil} \times Conc_{ave}$ = [4.11 E+4 Kg] x [52 mg/Kg] x [1 Kg / 1E+6 mg] = 2.1 Kg (2)

From equation (2), it is evident that a maximum possible residual mass of 2.1 Kg hydrocarbon is present in site soil. By multiplying the mass of hydrocarbon present by the inverse of the fluid

density, it is possible to approximate the volume of hydrocarbon present:

Vol. = Mass x 1/Dens. = [2.1 Kg] x [1 / 0.85 Kg/L] = 2.47 L (0.6 gallons) (3)

Based upon the extremely conservative assumptions presented above and the calculations presented in equations (1), (2) and (3), it is estimated that a residual volume of 0.6 gallons of hydrocarbon are present in site soil.

REGULATORY GUIDELINES

The RWQCB - San Francisco Bay Region has established a level of 100 parts per million (ppm) TPH concentrations in soil as a general decision value for requiring further definition of site soil and groundwater contamination where shallow groundwater conditions are known to exist. The origin of the 100 ppm level was to "develop a method to prioritize the case load and indicate whether a significant volume of fuel had been released or discharged" (RWQCB, 1989). Shallow groundwater is designated as being present at a depth of less than 50 feet below grade. Where deeper groundwater conditions are known to exist, as is the case in this instance, requirements for additional work are usually determined on a case by case basis.

Recommendation For No Action Alternative

In general, the need for additional site work should be assessed based upon an analyses of the hydrogeologic setting, the observed concentration and physicochemical behavior of the contaminant of concern, an analyses of the beneficial uses of the groundwater, an evaluation of the effectiveness of remedial measures taken to date, and an assessment of risk to human health and the environment.

The conclusions and observations provided above allow the following conclusions concerning the Hayward Motors site:

1) The characteristics of the hydrogeologic setting preclude any significant impact to waters of the state. Groundwater is located at a depth of 61 feet below grade and is separated from the overlying unsaturated zone by a five foot thick confining clay layer.

2) The observed concentration and known physicochemical behavior of the contaminant of concern also preclude significant impact to the waters of the state. The amount of residual contamination present in site soil may amount to a total volume of 0.6 gallons of product. In addition, the hydrocarbon is readily biodegradable. The measured concentration most likely represents a residual liquid quantity in equilibrium with the retention capacity of site soil, and is unlikely to migrate.

3) Although the site is located within a designated groundwater basin, it has been demonstrated in the foregoing discussion and on the basis of available data that the past, present and future beneficial uses of groundwater have not and will not be impacted by the small quantity of hydrocarbon remaining in site soil.

4) The remedial measures undertaken to date have been successful in reducing initial concentrations by a factor of 0.14 (roughly 86 percent). In addition, it is noted that initial concentrations (approximately 100 ppm) were one order of magnitude below that for which remediation by excavation is currently required (1,000 ppm).

over excavation

wrong

5) The residual contaminant concentrations are not likely to have any significant risk with respect to human health or the environment. For impact to occur, the contaminant must travel from the

source, through the environmental medium, to a receptor. In this instance, the total potential volume of contamination which could have been released in a worst case scenario (35 to 55 gallons) in itself constitutes an insignificant source. A much smaller quantity is inferred to have actually been released. Chemical analysis of soil obtained at a depth of 30 feet beneath the source, from two separate boreholes, has indicated nondetectable quantities of hydrocarbons are present beneath the site. It is concluded that contaminant transport is not occurring.

The RWQCB and Local Implementing Agency (LIA), in this instance the ACHCSA, derive their authority to require investigation of site conditions from Section 13267 (b) of the Porter Cologne Water Quality Control Act. This section states in part that "the burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the report." With deference to the ultimate authority of the ACHCSA and the RWQCB, it is respectfully submitted that the conclusions presented above support a decision for no further action and case closure.

REPORT SUBMITTAL

Copies of this report should be submitted to:

Regional Water Quality Control Board
1800 Harrison Street, Rm. 700
Oakland, CA 94607
Attn: Tom Callaghan

Alameda County Health Care Agency
80 Swan Way
Suite 200
Oakland, CA 94621
Attn: Pam Evans

Additional copies of this report have been provided for the purpose of regulatory submittal.

Should you have any questions or comments regarding the evaluations presented in this report, please call.

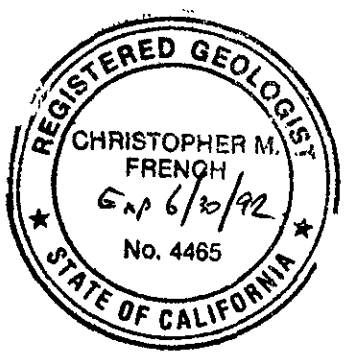
Very truly yours,

CHRISTOPHER M. FRENCH, R.G.

Christopher M. French, R.G., R.E.A.
Registered Geologist # 4465 (Exp. 6/30/92)
Registered Environmental Assessor #307 (Exp. 6/30/91)

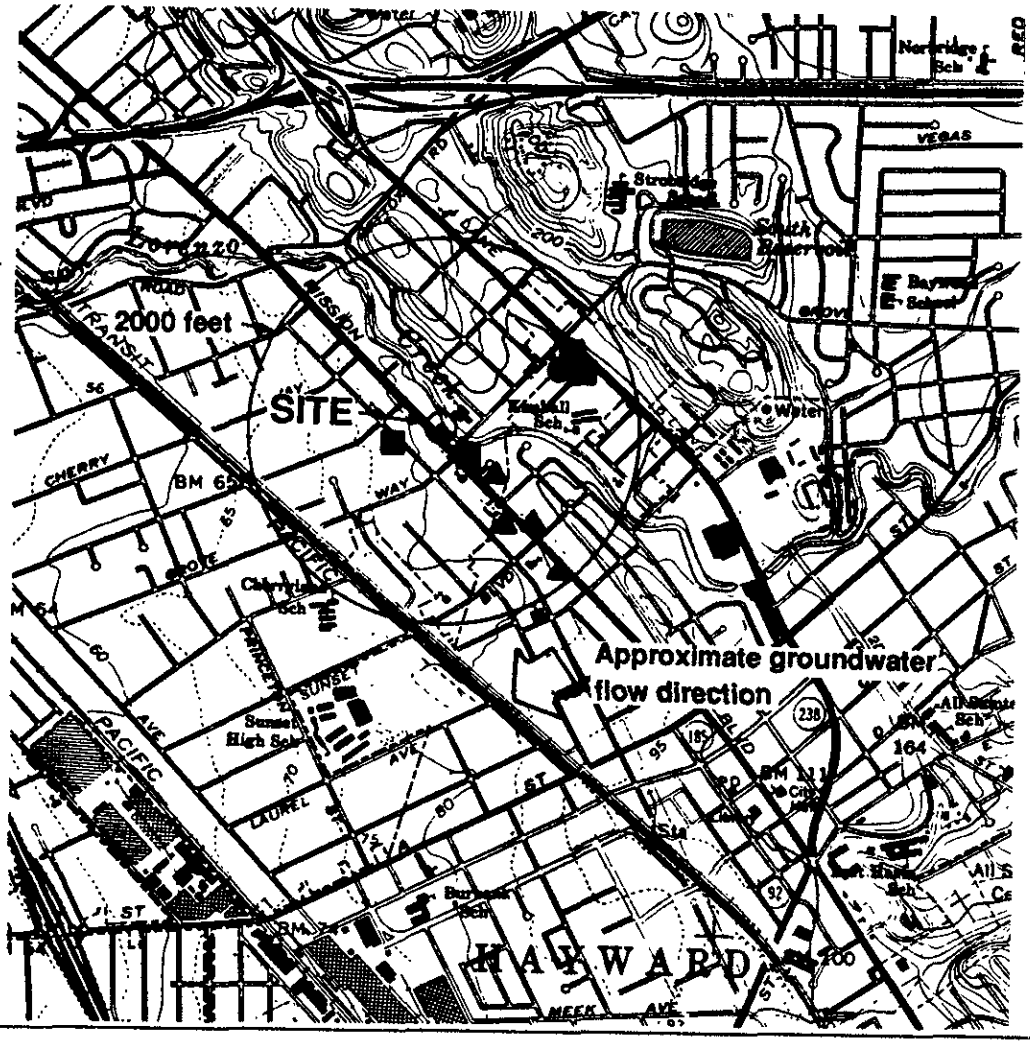
CMF/9023

Attachments (5)



ATTACHMENT A

Plates



Source: USGS Hayward 7 1/2 min.
topographic quadrangle map
Photorevised 1980

N

0 2000 Feet

EXPLANATION

- ■ Luft site
- ▲ RCRA site
- ● ASPIS site

SITE LOCATION MAP

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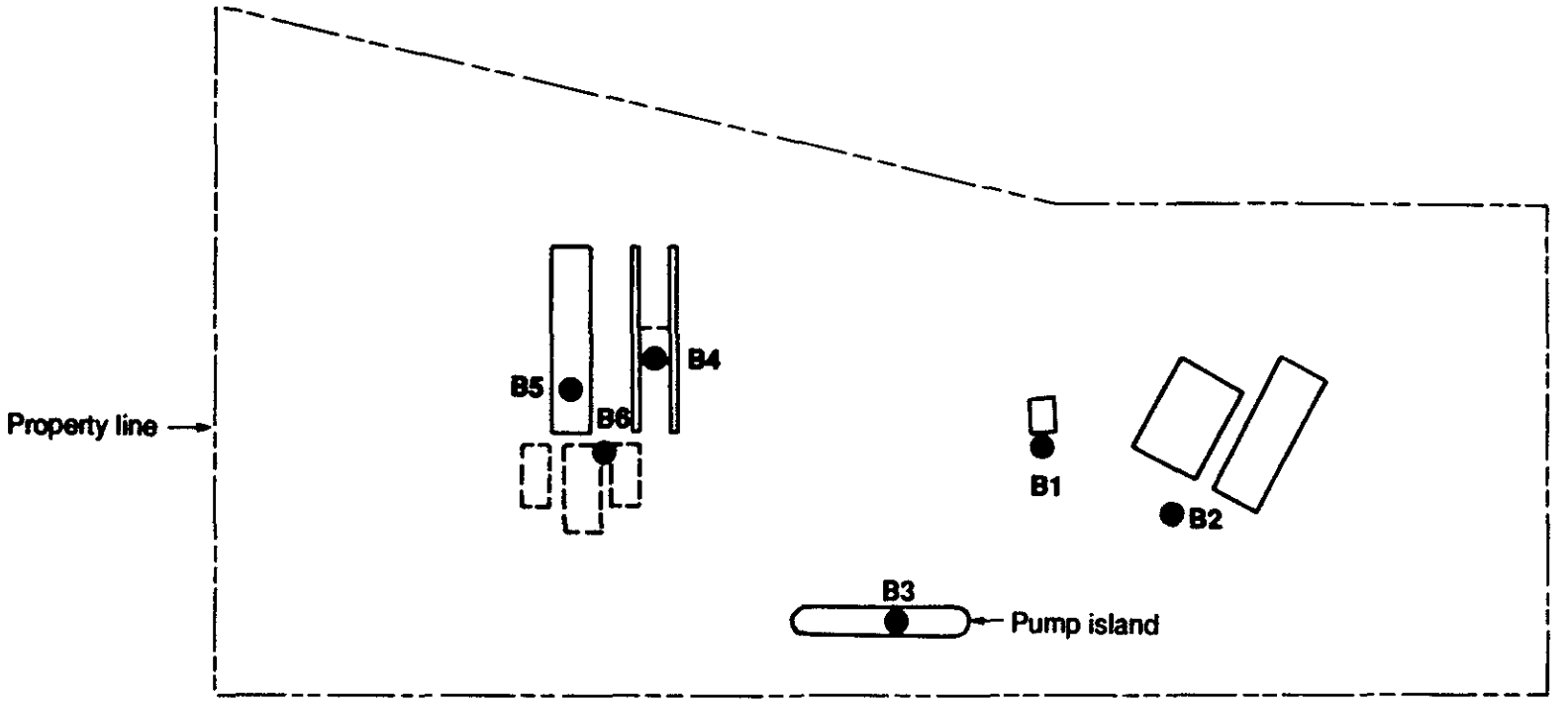
ENVIRONMENTAL INVESTIGATION, REMEDIATION, AND RISK ASSESSMENT

Pacific Trust Company

Job Number	Date	Plate
9023	9/90	1



EAST 14th STREET

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

EXPLANATION

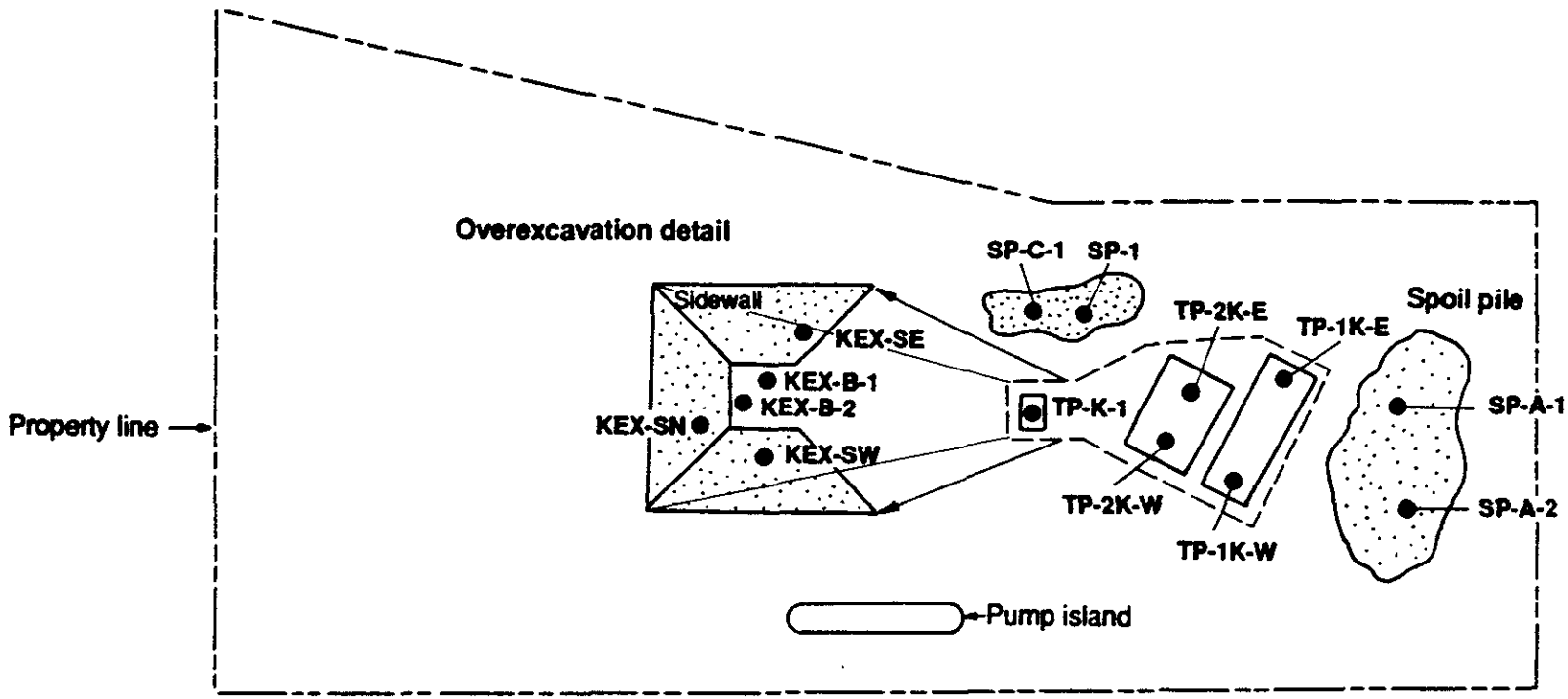
B1 ● Boring location and designation

Underground storage tanks

Underground storage tanks removed in 1950s

0 20 Feet

Christopher M. French, R.G. ENVIRONMENTAL INVESTIGATION, REMEDIATION, AND RISK ASSESSMENT	BORING LOCATION MAP	Pacific Trust Company		
		Job Number 9023	Date 9/90	Plate 2



EAST 14th STREET

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

EXPLANATION

Underground storage tank

TP-K-1 ● Soil sample and designation

0 20 Feet

Christopher M. French, R.G. ENVIRONMENTAL INVESTIGATION, REMEDIATION, AND RISK ASSESSMENT	SAMPLE LOCATION MAP	Pacific Trust Company		
		Job Number 9023	Date 9/90	Plate 3

ATTACHMENT B

Tables

Table 1. Summary of Soil Analytical Results for Phase II Environmental Site Assessment, Hayward Motors, Alameda County, California

Sample	Depth	TPHG	BZ	TL	XY	EB	TEHK
EB1-1	6.5	NA	NA	NA	NA	NA	ND
EB1-2	30.5	ND	ND	ND	ND	ND	ND
EB2-2	10.0	ND	ND	ND	ND	ND	NA
EB2-3	15.0	ND	ND	ND	ND	ND	NA
EB2-6	30.0	ND	ND	ND	ND	ND	NA
EB3-1	2.5	ND	ND	ND	ND	ND	NA
EB3-3	6.0	ND	ND	ND	ND	ND	NA
EB3-4	9.0	ND	ND	ND	ND	ND	NA

Note: Concentrations expressed in milligrams per kilogram (mg/kg), or parts per million (ppm).

Abbreviations

TPHG - total petroleum hydrocarbons as gasoline
BZ - benzene
TL - toluene
XY - xylene
EB - ethylbenzene
TEHK - total extractable hydrocarbons as kerosine
ND - not detected at the instrument level of detection
NA - not analyzed

Table 2. Analytical Results for Minimum Verification Analysis of Tank Closure, Hayward Motors, Alameda County, California

Sample	TPHG	BZ	TL	XY	EB	TEHK	Pb
TP-K-1	NA	NA	NA	NA	NA	130	NA
TP-1K-E	<1.0	<5E-3	<5E-3	6E-3	<5E-3	NA	<0.08
TP-1K-W	<1.0	<5E-3	<5E-3	<5E-3	<5E-3	NA	<0.08
TP-2K-E	<1.0	<5E-3	<5E-3	<5E-3	<5E-3	NA	<0.08
TP-2K-W	<1.0	<5E-3	<5E-3	<5E-3	<5E-3	NA	<0.08
SP-A-1	<1.0	<5E-3	<5E-3	3.6E-2	<5E-3	NA	NA
SP-A-2	<1.0	<5E-3	<5E-3	<5E-3	<5E-3	NA	NA
SP-C-1	<1.0	<5E-3	<5E-3	<5E-3	<5E-3	NA	NA

Note: Concentrations expressed in milligrams per kilogram (mg/kg), or parts per million (ppm).

Abbreviations

TPHG - total petroleum hydrocarbons as gasoline
BZ - benzene
TL - toluene
XY - xylene
EB - ethylbenzene
TEHK - total extractable hydrocarbons as kerosine
Pb - organic lead
NA - not analyzed

Table 3. Analytical Results of Overexcavation, Hayward Motors, Alameda County, California

Residual Soil Concentrations

Sample	TPHD	Average
KEX-B-1	150	
KEX-SN	13	
KEX-B-2	87	
KEX-SW	<10	
KEX-SE	<10	52

Stockpiled Soil Concentrations

Sample	TPHD	Average
SPD-1	100	
SPD-2	650	
SP-1	320	360

Note: Concentrations expressed in milligrams per kilogram (mg/kg), or parts per million (ppm).

Abbreviations

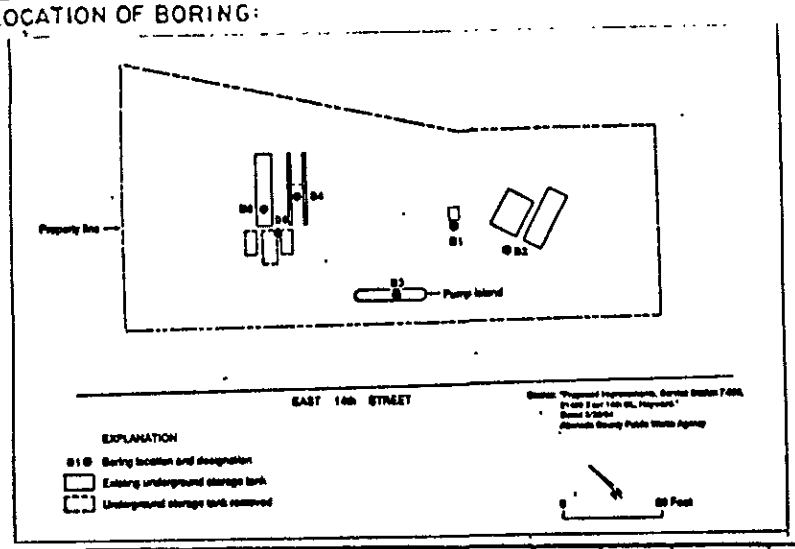
TPHD - total petroleum hydrocarbons as diesel

ATTACHMENT C

Lithologic Logs of Borings

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 very fine; loose; rootlet casts; dry; slight o dor.
		2 1								5		
5.0	SP	2 1	18	18			0.0			6		@ 5' : clayey; no odor
6.5	SP	2 2	18	18			0.0			7		
		2 2								8		@ 8' : damp.
8.0	SP	2 3	18	18			0.0			9		
9.5	SP	3 2	18	18			0.0			10	SM ML	Sandy silt, clayey to silty sand.
		3										

FF7

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										

PF8

FIELD LOG OF BORING (CONTINUED)

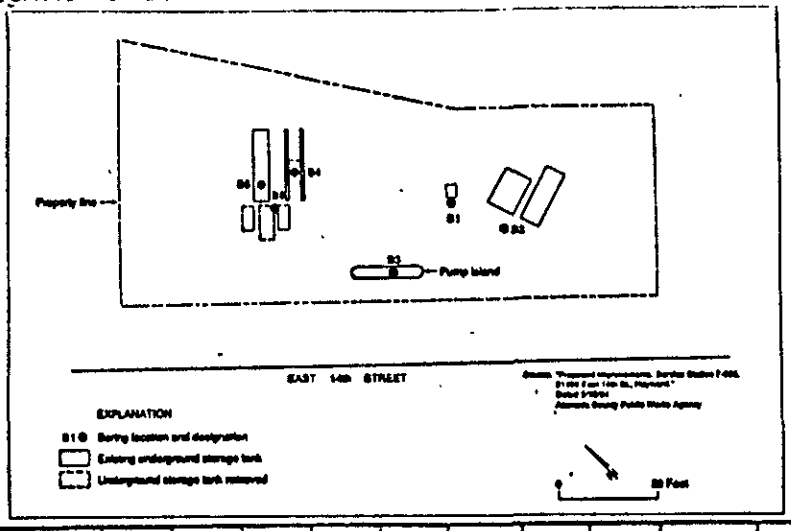
PROJECT: Pacific | NO 9023.2 | BORING NO EB1

DEPTH	TYPE	BLOWS	DRIVEN	REC'VD.	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

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	
										1	SM	Silty sand; dark brown (10YR, 4/3); 40% 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

FF7

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
		4										to fine; loose; very well sorted; damp;
										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					

P-6

FIELD LOG OF BORING (CONTINUED)

PROJECT: Pacific | NO9023.2 | BORING NO EB2

DEPTH	TYPE	BLOWS	DRIVEN	RECV'D	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		
								40	SC SW	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	41		
		12						42		
								43		
								44		
								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.
45	SP	13 15	18	18			0.0	46		
		17						47		@ 46' : very dense.
								48		
								49		
								50		@ 50' : decreasing clay content; moist; weathered; moist to wet
50	SP	11	18	14						

EB

FIELD LOG OF BORING

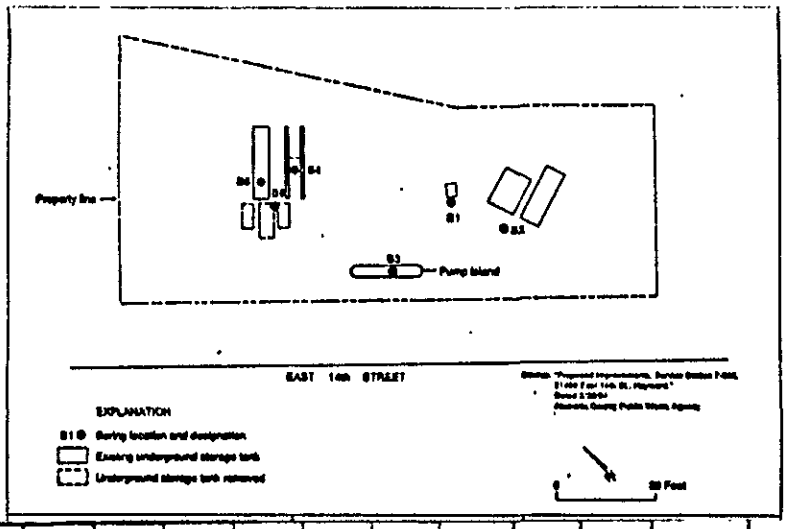
PROJECT: Pacific | NO 9023.2 | BORING NO. EB2

DEPTH	TYPE	BLOWS	DRIVEN	REC'VD	COND.	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; sealed base of annulus with five fet of bentonite.
		12								62		
										63		
										64		
										65		
										66		
										67		
										68		
										69		
										70		

F&B

FIELD LOG OF BORING SHEET 1 OF 1

LOCATION OF BORING:



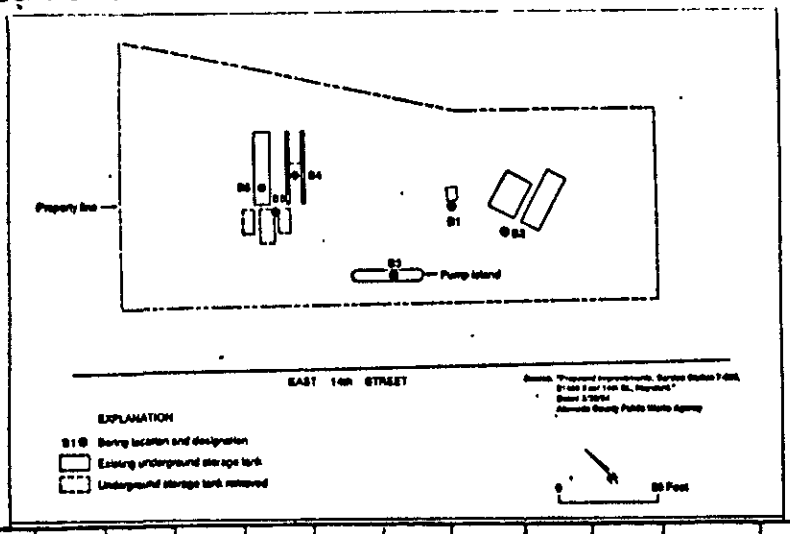
PROJECT: Pacific Trust	BORING NO. EB3
	TOTAL DEPTH 6.5'
JOB NO.: 9023.2	LOGGED BY: CMF
PROJ. MGR.: CMF	EDITED BY: CMF
DRILLING CONTRACTOR: Hew Drilling	
DRILL RIG TYPE: CME-55	
DRILLERS NAME: Cardona	
SAMPLING METHODS: Split Spoon	
HAMMER WT.: 140#	DROP: 30"
STARTED, TIME: 0815	DATE: 2/16/90
COMPLETED, 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	ML -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		

EF7

FIELD LOG OF BORING SHEET 1 OF 1

LOCATION OF BORING:



PROJECT: Pacific Trust	BORING NO. EB4
	TOTAL DEPTH: 10.5
JOB NO.: 9C23.2	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: 0654	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	

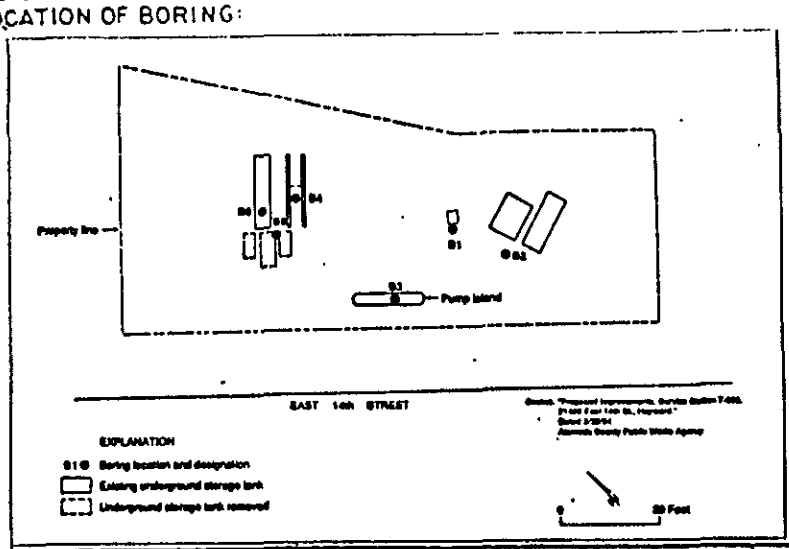
SAMPLE DEPTH	SAMPLER TYPE	BLOWS/6-IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	P.I.D.			DEPTH IN FEET	GRAPHIC LOG	
										1		
1.5	SP	3	18	18			0.0			2	SM	Silty sand; dark grayish brown (10YR,2/2); 35% silt; very fine; loose; damp; no odor.
		2										
		2								3	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

EE7

FIELD LOG OF BORING

SHEET 1 OF 1

LOCATION OF BORING:



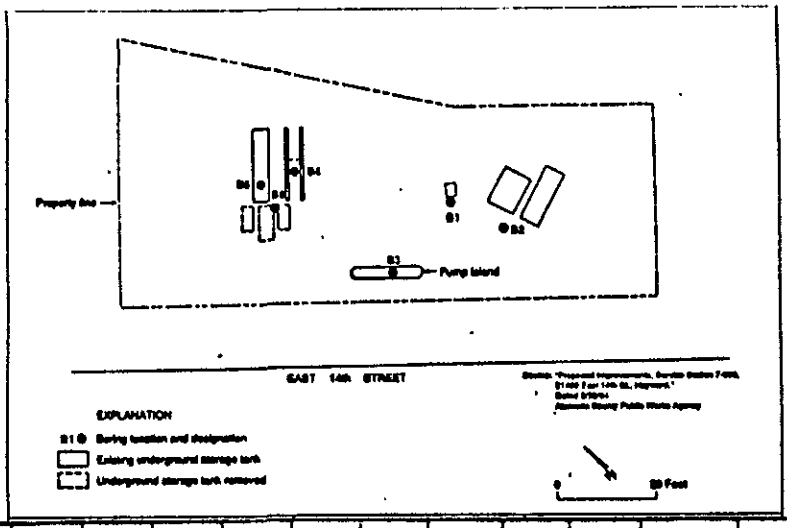
PROJECT: Pacific Trust	BORING NO. EB5
	TOTAL DEPTH 9.0
JOB NO.: 9C23.2	LOGGED BY: CMF
PROJ. MGR.: CMF	EDITED BY: CMF
DRILLING CONTRACTOR: Hew Drilling	
DRILL RIG TYPE: CME-55	
DRILLERS NAME: Cardona	
SAMPLING METHODS: split spoon	
HAMMER WT.: 104#	DROP: 30'
STARTED, TIME: 0926	DATE: 2/16/90
COMPLETED, 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
		5 5										(10YR,2/2); 30% silt and clay; very fine;
										3		loose; damp.
3.0	SP	1 1	18	18			N/A			4		
4.5	SP	1 1	18	18			N/A			5		
		1 2								6		
5.0	SP	1 2	18	18			NA			7		
6.5	SP	4 1	18	18			NA			8		
		2 3								9		
										10		

FF7

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	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		
										10		

EE7

ATTACHMENT D

Hazardous Waste Manifests

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

89924634

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

GENERATOR

1. Generator's US EPA ID No.: CAR000289617 — Manifest Document No.: 90001
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 89924634

B. State Generator's ID

3. Generator's Name and Mailing Address: Pacific Bell Co. / 2455 S. Winchester Rd / San Jose, CA 95128
4. Generator's Phone: 408 244-9605

5. Transporter 1 Company Name: Excellence Inc
6. US EPA ID Number: CAD981382663

C. State Transporter's ID
D. Transporter's Phone: [illegible]-8907

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: Erickson, Inc. / 255 Parr Blvd. / Richmond, CA. 94801
10. US EPA ID Number: CAD009466392

G. State Facility's ID
H. Facility's Phone: (415) 235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE EMPTY STORAGE TANKS NON-RCRA HAZARDOUS WASTE Solid	003	TP	3500	P	State: 512 / EPA/Other: NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: 1 Empty leaded gasoline tanks # 3855 Iced with 150 lbs dry ice / 1 Empty leaded gasoline tank # 3856 Iced with 150 lbs dry ice / 1 Empty [illegible] tank # 3857 with 25 lbs

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	06	28	90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JOE BOTTS	[signature]	06	28	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

89924634

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD00[illegible]89617	Manifest Document No. [illegible]	2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address [illegible]
4. Generator's Phone (408) 244-9[illegible]
5. Transporter 1 Company Name [illegible] 6. US EPA ID Number [illegible]
7. Transporter 2 Company Name 8. US EPA ID Number
9. Designated Facility Name and Site Address [illegible] 255 Parr Blvd. Richmond, CA 94801 10. US EPA ID Number CAD009466392

A. State Manifest Document Number 89924634
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone [illegible]
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (415) 235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste empty storage tanks Non-RCRA Hazardous Waste Solid	003	TP	3500	P	State 512 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above [illegible]

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name [illegible] Signature [illegible] Month Day Year 062890

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Joe Botts Signature [signature] Month Day Year 062890

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Signature Month Day Year

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

2627 400

Shipper's No.

CARRIER: Erickson Trucking, Inc.

SCAC

Carrier's No.

Date

TO: Consignee Street Destination: IMC Corp. 600 S. 4th St. Richmond, CA 94805 Zip

FROM: Shipper Street Origin: Erickson, Inc. 255 Parr Blvd. Richmond, CA 94801 Zip

Route:

Vehicle Number

No. Shipping Units	HM	Kind of Packaging, Description of Articles (of Hazardous Materials - Proper Shipping Name)	Hazard Class	I.D. Number	Weight (Subject to Correction)	Rate	Labels Required
		Non-DOT, regulated material gas free triple rinsed underground tanks for scrap					
		28149/3727	None	N/A	N/A	N/A	None
		722331/3857					
		[illegible]/3855					
		72104/3936					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. [illegible]

[illegible]

PLACARDS REQUIRED: None

PLACARDS SUPPLIED ☐ YES ☐ NO — [illegible] DRIVER SIGNATURE:

SHIPPER: Erickson, Inc.
PER: [illegible]
DATE: 7/13

CARRIER: Erickson
PER: [signature]
DATE: 7/13/90

EMERGENCY RESPONSE TELEPHONE NUMBER: 415 [illegible]

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

WEIGHMASTER CERTIFICATE

[illegible] TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster whose signature is on this certificate who is a recognized authority of accuracy as prescribed by [illegible] of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

IMC METALS
DIVISION OF [illegible] USA CORPORATION

TICKET# 11462

MATL. 10201-1 UNP
PRICE / TON: $
TOTAL PRICE: $
WEIGHT ADJUSTMENT: 0 PERCENT: *****%
INBOUND WEIGHT: 44320 Lbs.

PAY WEIGHT: 14180

COUNT: 22168801
ICKSON INC.

SH I.D.:

TRUCK NO. LICENSE NO.

DRIVER:

4320 (M) Gross Weight Lbs. 7/13/90- 9:42 FRT. CODE:1 COST:$ 0.00
0140 Tare Weight Lbs. 7/13/90- 10:10
4180 Net Weight Lbs.

SIGNATURE OF DEALER OR AGENT

CUSTOMER COPY

SEP 25 '90 14:56 FROM ERICKSON INC PAGE.002

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

2525

kt

Shipper's No. _____

CARRIER: Erickson Trucking, Inc. SCAC Carrier's No. _____ Date _____

TO: Consignee / Street / Destination: LMC Corp. 600 S. 4th St. Richmond, CA 94805 Zip

FROM: Shipper / Street / Origin: Erickson, Inc. 255 Parr Blvd. Richmond, CA 94801 Zip

Route:

Vehicle Number 1025 2525

HM	(Non-hot regulated material gas free triple rinsed underground tanks for scrap)					
	72221/3818	None	N/A	N/A	N/A	None
	72229/3953					
	72228/3923					
	72233/3856					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE: Prepaid ☐ Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

ACCEPTED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed as to each carrier of all or any of said property over all or any portion of said route or delivery that every service to be performed hereunder shall be subject to all the terms and conditions of the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED: None PLACARDS SUPPLIED: ☐ YES ☐ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE:

SHIPPER: Erickson, Inc.
PER: Shannan Lowry
DATE: 7/13

CARRIER: ERICKSON INC
PER: Jenny Basso
DATE: 7-17-90

EMERGENCY RESPONSE TELEPHONE NUMBER: 418, 235-1593

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

WEIGHMASTER CERTIFICATE

I/We do hereby certify that the following described commodity was weighed, measured or counted by a weighmaster whose signature is on the certificate who is a recognized authority of accuracy or practices in Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

LMC METALS
A DIVISION OF GUARMETAL USA CORPORATION
600 SOUTH 4th STREET
RICHMOND, CALIFORNIA 94804
(415) 234-6300

TICKET# 11458

ACCOUNT:22168801
ERICKSON INC.

MATL.10201-1 UNP
PRICE / TON:$
TOTAL PRICE:$
PAY WEIGHT: 15600
WEIGHT ADJUSTMENT: 0 PERCENT:******%
INBOUND WEIGHT: 49420 Lbs.

CASH I.D.:
TRUCK NO.
LICENSE NO.
DRIVER:

49420	(M)	Gross Weight Lbs.	7/13/90-	9:33	FRT. CODE:1 COST:$	0.00
33820		Tare Weight Lbs.	7/13/90-	9:49		
15600		Net Weight Lbs.				

SIGNATURE OF DRIVER OR AGENT

LMC METALS WEIGHMASTER

2-34198

SEP 25 '90 14:57 FROM ERICKSON INC PAGE.003

SOLVENT SERVICE, INC.
WASTE MATERIAL PROFILE

660 Lenfest Road, San Jose, CA 95133
(408) 259-9910 Fax (408) 251-7554

#1340

FOR OFFICE USE ONLY
SSI # 34921

General Information

Generator Name: Pacific Trust
Facility Address: 21450 Mission Blvd.
Hayward CA. 94545
Contact Person: Vic Adams
Phone Number: 623-0480
Generator USEPA ID#: CAC000289617
State Tax ID #: EXEMPT
Name of Waste: GASOLINE
Process Generating Waste: PAINT REMOVER

Physical Characteristics of Waste

Color: AMBER

Odor: ☐ None ☐ Mild ☒ Strong

Physical State At 70F: ☒ Liquid ☐ Solid ☐ Semi-Solid ☐ Powder

Layers: ☒ Single Phased ☐ Bi-layered ☐ Multi-layered

Free Liquids: ☒ Yes ☐ No 99%-100% VOLUME %

pH: ☐ ≤2 ☐ 2.1-4 ☒ 4.1-7 ☐ 7.1-10.0 ☐ 10.1-12.4 ☐ ≥12.5 ☐ Exact ☐ N/A

Specific Gravity: ☒ <0.8 ☐ 0.8-1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.7 ☐ >1.7 ☐ N/A

Flash Point: ☒ <70F ☐ 70-100 ☐ 101-139 ☐ 140-200 ☒ >200F ☐ No Flash ☐ N/A

Chemical Composition - Must Equal 100%

GASOLINE	99-100 %
H2O	0-1 %
	%
	%
	%
	%
	%
	%
	%
Total	100

Metals (PPM)

Antimony (Sb)	NONE	Mercury (Hg)	NONE
Arsenic (As)		Molybdenum (Mo)	
Barium (Ba)		Nickel (Ni)	
Beryllium (Be)		Selenium (Se)	
Cadmium (Cd)		Silver (Ag)	
Chromium (Cr)		Thallium (Tl)	
Chromium (Cr+6)		Vanadium(V)	
Cobalt (Co)		Zinc (Zn)	
Copper (Cu)		Other	
Lead (Pb)	<50	Other	

Other	YES	NO		YES	NO		YES	NO
Dioxins		☒	Phenolics		☒	PCB's		☒
Sulfides		☒	Cyanides		☒	Other		☒

Reactivity, Room Temp	YES	NO		YES	NO
Autopolymerizable	☐	☒	Pyrophoric	☐	☒
Thermally sensitive	☐	☒	Explosive	☐	☒
Shock sensitive	☐	☒	Hydrophoric	☐	☒

Shipping Information

Proper DOT Shipping Name: WASTE FLAMMABLE LIQUID NOS (Contains gasoline)
Hazard Class: FLAMMBLE LIQUID
ID #: UN 1993 RQ
EPA Waste #: D001, D008
State Waste #: 214, 343
Extra Descriptive Information on Name:

Volume: 100 ☒ Gals ☐ Yards ☐ Drums
☐ One Time ☐ Mo. ☐ Qtr. ☐ Year

Additional Information

This is to certify that the information submitted is complete, accurate, and that all known or suspected hazards have been disclosed. This waste does not contain any radioactive, biological, pathogenic, and/or etiological agents.

Authorized Signature: [signature] Date: 8-1-90
Name in Print: Thomas M. Brophy Title: Pres.

rev.5/90

H. CONT: 14000-15,000 BTU/LB TTL. CHL. ND

№ 3855 - 72233

KTW - EYELtrans

CERTIFICATE

Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

SEP 25 '90 14:58 FROM ERICKSON INC

For: 3700 Erickson, Inc. Tank No.(s.) 3855 Location: Richmond Date: 9-5 Time: 1:00

Test Method: Visual Gastech/1314 SMPN Last Product: Leaded Gas

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 2000 Gal Tank	Safe For Fire Oxy 20.9 %
	LEL -1 %

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative [signature] Title Supt. Inspector [signature]

CP1873

№ 3856-72233
KTW-Exeltrans

CERTIFICATE
Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: 3700 Erickson, Inc. Tank No.(s.) 3856 Location: Richmond Date: 7-5 Time: 1:15
Test Method: ~~Visual Gastech/1314 SMPN~~ Last Product: Leaded Gas

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 1000 ~~Gal Tank~~	~~Safe For Fire~~ ~~Oxy 20.9 %~~
	~~LEL -1 %~~

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative [signature] Title [signature] Inspector [signature]

CP3873

№ 3857-72233
KTW-EXELTrans

CERTIFICATE
Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: 3700 Erickson, Inc. Tank No.(s.) 3857 Location: Richmond Date: 7-5 Time: 1:20

Test Method: Visual Gastech/1314 SMPN Last Product: Petroleum Hydro Carbons

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 80 Gal Tank	Safe For Fire Oxy 20.9 %
	LEL -1 %

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative Title Inspector

CF5936

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000289617 — Manifest Document No. 14216917

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
PACIFIC TRUST
21450 MISSION BLVD
HAYWARD CA 94505

4. Generator's Phone (415) 623-0480

A. State Manifest Document Number 89742697

B. State Generator's ID EXEMPT

5. Transporter 1 Company Name: SOLVENT SERVICES — 6. US EPA ID Number: CAD059494310

C. State Transporter's ID 202570

D. Transporter's Phone (409) 453-6046

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SOLVENT SERVICES
1021 BERRYESSA RD
SAN JOSE CA 95133 CAD059494310

10. US EPA ID Number

G. State Facility's ID CAD059494310

H. Facility's Phone (408) 453-6046

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE FLAMMABLE LIQUID NOS FLAMMABLE LIQUID UN 1993 ERG-27	003	DM	00165	G	State 214/342 EPA/Other D001/D009
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
WEAR GLOVES & GLASSES
24 HR PH (415) SAME
FL-2188/CONTAINS: LEAD

K. Handling Codes for Wastes Listed Above
a. — b. — c. — d.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: x P.M. KRAUSE — Signature: x [signature] — Month Day Year: 09 15 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: CARL PEREZ — Signature: [signature] — Month Day Year: 09 15 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name — Signature — Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

89742697

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

EXCELTRANS

2990-G Bay Vista Court, Benicia, CA 94510
(707) 745-8907 Fax (707) 745-8024
1555 Kleppe Lane, Sparks, NV 89431
(702) 358-5551 Fax (702) 358-5598

Date 6-28-90

Job No. _____

Manifest No. 89924634

Customer Order No. _____

Customer Name KTW & ASSOC Contact KEWEAL

Generator Name PACIFIC TRUST CO Telephone No. (415) 623-0480

Job Location 21450 MISSION BLVD City HAYWARD State CA

Origin BENICIA CA Destination ERICKSON - RICHMOND

Services Performed REPORT TO HAYWARD, LOAD 3 UNDERGROUND TANKS & TRANSPORT TO ERICKSON FOR DISPOSAL

For Office Use Only

Hub Reading:	Beginning	232152	Ending		Net Miles
Total Time:	Start	09:00	Stop		Net Hours
Job Site:	Arrive	11:00	Depart	13:00	Net Hours
Disposal Site:	Arrive		Depart		Net Hours
Time Out:	Lunch		Other		Net Hours ( )

Total Chargeable Hours/Miles _____

Truck No.	304	Trailer No.	416	Bin No.	N/A
Disp. Facility	ERICKSON	No. of Loads	3-TANKS	No. of Drums	N/A
Bridge Toll	6.50	Subsistence	N/A	Wash Out	N/A
Tyveks	1 PR	Gloves	1 PR	Liners	N/A

Others _____

Comments (reason for delay, etc.) _____

Driver Signature

Customer Signature

PRESS HARD TO COMPLETE ALL COPIES

White—Customer Blue—Billing Pink—Payroll Green—Load Yellow—Driver

SOLVENT SERVICE CO., INC.

660 LENFEST ROAD
SAN JOSE, CA 95133
408/259-9910 • FAX 408/251-7554

WORK ORDER

EPA #: CAC000289617
Customer: . PACIFIC TRUST
Street: 21450 MISSION BLVD
City: HAYWARD, CA 94505
Cross St:

Contact: K T W ASSOCIATES

Order Date: 08/13/90
Customer PO : A20/3
Scheduled Date: 08/15/90
EH #:
Telephone # 415-623-0480
Caller: KEVIN/K T W

------- Description of Work -------	Quantity	Check if Complete
SOLVENT CHLOR. 0% TO 4.0% 55 GAL. ()	2.00	✓
SAFETY EQUIPMENT CHARGE ()	1.00	✓
TRUCK TIME ()	1.00	✓

Need to bring Manifest.

Remarks

Call Kevin Kraus @ KTW 1 hour prior to arrival. Site is abandoned.

Arrival Time: 9:45
Departure Time: 10:30
PERFORMANCE: 1=LOW; 10=HIGH
Appearance (1-10):
Attitude (1-10):
Safety (1-10):

SPECIAL INSTRUCTIONS:

CALL 1 HOUR BEFORE ARRIVAL

Date Completed: 8-15-90

Driver:

Manifest #: 89742697

Customer Signature:

SOLVENT SERVICE CO., INC.

660 LENFEST ROAD
SAN JOSE, CA 95133
408/259-9910 • FAX 408/251-7554

INVOICE NO.
34921

INVOICE

INVOICE DATE
08/01/90

BILL TO
K T W AND ASSOCIATES
43289 OSGOOD ROAD
FREMONT, CA 94539
415-623-0480

SHIP TO
. PACIFIC TRUST
21450 MISSION BLVD
HAYWARD, CA 94505
CAC000289617

CREDIT TERMS:	P.O. NO.	MANIFEST NO.
2% 10 NET 30	THOMAS GREGORY	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	NOTES
1.00	PROFILE & ACCEPTANCE TEST - FL 2188	200.00	200.00	
	Subtotal excluding taxes and handling fees =	200.00		

Date mailed: 15 AUG 1990
Thank you for your business.

PLEASE PAY FROM THIS INVOICE

BALANCE DUE ►►►

SOLVENT SERVICE CO., INC.

660 LENFEST ROAD
SAN JOSE, CA 95133
408/259-9910 • FAX 408/251-7554

INVOICE NO. T35150

INVOICE

INVOICE DATE 08/15/90

BILL TO
K T W AND ASSOCIATES
43289 OSGOOD ROAD
FREMONT, CA 94539
415-623-0480

SHIP TO
. PACIFIC TRUST
21450 MISSION BLVD
HAYWARD, CA 94505
CAC000289617

CREDIT TERMS:	P.O. NO.	MANIFEST NO.
2% 10 NET 30	A2013	89742697

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	NOTES
3.00	SOLVENT CHLOR. 0% TO 4.0% 55 GAL. - FLAMMABLE LIQUID	135.00	405.00	
1.00	SAFETY EQUIPMENT CHARGE	30.00	30.00	
1.00	TRUCK TIME	75.00	75.00	
1.65	*SLUDGE CHARGE IN DRUMS/GAL. - SLUDGE	9.75	16.09	
	Subtotal excluding taxes and handling fees =		526.09	

Pacific Trust

Date mailed: 14 SEP 1990
Thank you for your business.

PLEASE PAY FROM THIS INVOICE — **BALANCE DUE ►►►** 526.09

INVOICE

ATTACHMENT E

Certified Analytical Reports

ANAMETRIX INC

REPORT

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

July 13, 1990
Anametrix W.O.#: 9006365
Date Received : 06/28/90
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 and QUALITY ASSURANCE.

NOTE: 1) Amounts reported are net values, i.e. corrected for method blank contamination.
2) For analysis of sample TP-K-1 by TPHd, the chromatographic pattern was not that of kerosene.

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

Sincerely,

ANAMETRIX, INC.

Sarah Schoen, Ph.D.
Laboratory Manager

SRS/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.#: 9006365
Date Received : 06/28/90
Purchase Order#: N/A
Project No. : 9023
Date Released : 07/13/90

Anametrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
9006365-01	TP-K-1	SOIL	06/28/90	TPHd	07/09/90	07/10/90	N/A
9006365-02	TP-1K-E	SOIL	06/28/90	TPHg		07/03/90	N/A
9006365-03	TP-1K-W	SOIL	06/28/90	TPHg		07/03/90	N/A
9006365-04	TP-2K-E	SOIL	06/28/90	TPHg		07/03/90	N/A
9006365-05	TP-2K-W	SOIL	06/28/90	TPHg		07/05/90	N/A
9006365-06	SP-C-1	SOIL	06/28/90	TPHg		07/05/90	N/A
9006365-07	SP-A-1	SOIL	06/28/90	TPHg		07/05/90	N/A
9006365-08	SP-A-2	SOIL	06/28/90	TPHg		07/05/90	N/A
9006365-02	TP-1K-E	SOIL	06/28/90	ORG Pb		07/05/90	AA1
9006365-03	TP-1K-W	SOIL	06/28/90	ORG Pb		07/05/90	AA1
9006365-04	TP-2K-E	SOIL	06/28/90	ORG Pb		07/05/90	AA1
9006365-05	TP-2K-W	SOIL	06/28/90	ORG Pb		07/05/90	AA1
QUALITY ASSURANCE (QA)							
OMB070590S	METHOD BLANK	SOIL	N/A	ORG Pb		07/05/90	AA1
9006365-02	TP-1K-E	SOIL	06/28/90	SPIKE		07/05/90	AA1

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

Sample I.D.	: 9023 TP-K-1	Anametrix I.D.	: 9006365-01
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: DW
Date anl.TPHg	: N/A	Date released	: 07/13/90
Date ext.KERO	: 07/09/90	Date ext. TOG	: N/A
Date anl.KERO	: 07/10/90	Date anl. TOG	: N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
	TPH as Kerosene	10	130

ND - Not detected at or above the practical quantitation limit for the method.
TPHk - Total Petroleum Hydrocarbons as kerosene is determined by GCFID following either EPA Method 3510 or 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 TP-1K-E	Anametrix I.D.	: 9006365-02
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: [illegible]
Date anl.TPHg	: 07/03/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
	TPH as Gasoline	1	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.

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 TP-1K-W	Anametrix I.D.	: 9006365-03
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: [illegible]
Date anl.TPHg	: 07/03/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
	TPH as Gasoline	1	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.

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 TP-2K-E	Anametrix I.D.	: 9006365-04
Matrix	: SOIL	Analyst	: 6V
Date sampled	: 06/28/90	Supervisor	: RJ
Date anl.TPHg	: 07/03/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
	TPH as Gasoline	1	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.

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 TP-2K-W	Anametrix I.D.	: 9006365-05
Matrix	: SOIL	Analyst	: GV.
Date sampled	: 06/28/90	Supervisor	: [illegible]
Date anl.TPHg	: 07/05/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
	TPH as Gasoline	1	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.

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 SP-C-1	Anametrix I.D.	: 9006365-06
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: MS
Date anl.TPHg	: 07/05/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
	TPH as Gasoline	1	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.

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 SP-A-1	Anametrix I.D.	: 9006365-07
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: JRS
Date anl.TPHg	: 07/05/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
	TPH as Gasoline	1	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.

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 SP-A-2	Anametrix I.D.	: 9006365-08
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: MS
Date anl.TPHg	: 07/05/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
	TPH as Gasoline	1	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.

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

ANALYSIS DATA SHEET - ORGANIC LEAD
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9006365
Matrix : SOIL
Date Sampled : 06/28/90
Project Number: 9023

Date Prepared : 07/05/90
Date Analyzed : 07/05/90
Date Released : 07/16/90
Instrument I.D.: AA1

	ELEMENTS	Organic Lead
	EPA METHOD	LUFT
	REPORTING LIMIT	0.08
ANAMETRIX ID	CLIENT ID	(mg/Kg)
9006365-02	TP-1K-E	ND
9006365-03	TP-1K-W	ND
9006365-04	TP-2K-E	ND
OMB070590S	METHOD BLANK	ND

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

Organic Lead by Leaking Underground Fuel Tank (LUFT) Manual, 1987 California State Water Resources Control Board.

Manny Nguyen 7/16/90
Analyst Date

Rafael Montano 7-16-90
Supervisor Date

ANAMETRIX, INC.
1961 CONCOURSE DRIVE, SUITE E
SAN JOSE, CA 95131, (408) 432-8192

ORGANIC LEAD MATRIX SPIKE REPORT

Spike I.D. : 9006365-02MS,MD
Assoc. WO # : 9006343
Date Prepared: 07/05/90
Date Analyzed: 07/05/90

Inst. ID: AA1
Date : 07/13/90
Matrix : SOIL
Units : mg/Kg

ELEMENTS	METHOD	SPIKE AMOUNT	SAMPLE CONC.	M S CONC.	% REC	M S D CONC.	% REC	R P D
Pb	LUFT	0.51	0.00	0.46	91.5	0.49	97.4	6.3

COMMENT: Spike with sample # 9006365-02

[signature] 7/13/90
Analyst Date

Richard Markovich 7-13-90
Supervisor Date

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive Suite E San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8196

REPORT

CHRISTOPHER FRENCH
FRENCH & ASSOCIATES
2735 ELMWOOD AVENUE
BERKELEY, CA 94705

Workorder # : 9007206
Date Received : 07/27/90
Project ID : 9017
Purchase Order: N/A

The following samples were received at Anametrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9007206- 1	SP-1
9007206- 2	KEX-B-1
9007206- 3	KEX-SN
9007206- 4	KEX-B-2
9007206- 5	KEX-SW
9007206- 6	KEX-SE

This report is paginated for your convenience and ease of review. It contains 9 pages excluding the cover letter. The report is organized into sections. Each section contains all analytical results and quality assurance data related to a specific group or section within Anametrix. The Report Summary that precedes each section will help you determine which group at Anametrix generated the data. The Report Summary will contain the signatures of the department supervisor and a chemist, both of whom reviewed the analytical data. Please refer all questions to the department supervisor that signed the form.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anametrix.

Burt Sutherland
Laboratory Director

08-14-90
Date

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

CHRISTOPHER FRENCH
FRENCH & ASSOCIATES
2735 ELMWOOD AVENUE
BERKELEY, CA 94705

Workorder # : 9007206
Date Received : 07/27/90
Project ID : 9017
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9007206- 1	SP-1	SOIL	07/25/90	TPHd
9007206- 2	KEX-B-1	SOIL	07/25/90	TPHd
9007206- 3	KEX-SN	SOIL	07/25/90	TPHd
9007206- 4	KEX-B-2	SOIL	07/25/90	TPHd
9007206- 5	KEX-SW	SOIL	07/25/90	TPHd
9007206- 6	KEX-SE	SOIL	07/25/90	TPHd

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

CHRISTOPHER FRENCH
FRENCH & ASSOCIATES
2735 ELMWOOD AVENUE
BERKELEY, CA 94705

Workorder # : 9007206
Date Received : 07/27/90
Project ID : 9017
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems reported for this workorder.

Frank Fchoen 08-14-90
Department Supervisor Date

Irene Jusiak 08-14-90
Chemist Date

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

Sample I.D.	: 9017 SP-1	Anametrix I.D.	: 9007206-01
Matrix	: SOIL	Analyst	: IY
Date sampled	: 07/25/90	Supervisor	: JN
Date anl.TPHg	: N/A	Date released	: 08/13/90
Date ext.TPHd	: 07/31/90	Date ext. TOG	: N/A
Date anl.TPHd	: 08/08/90	Date anl. TOG	: N/A

CAS #	Compound Name	Detection Limit (mg/Kg)	Amount Found (mg/Kg)
	TPH as Diesel	10	320

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 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.	: 9017 KEX-B-1	Anametrix I.D.	: 9007206-02
Matrix	: SOIL	Analyst	: IY
Date sampled	: 07/25/90	Supervisor	: GS
Date anl.TPHg	: N/A	Date released	: 08/13/90
Date ext.TPHd	: 07/31/90	Date ext. TOG	: N/A
Date anl.TPHd	: 08/08/90	Date anl. TOG	: N/A

CAS #	Compound Name	Detection Limit (mg/Kg)	Amount Found (mg/Kg)
	TPH as Diesel	10	150

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 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.	: 9017 KEX-SN	Anametrix I.D.	: 9007206-03
Matrix	: SOIL	Analyst	: IY
Date sampled	: 07/25/90	Supervisor	: [illegible]
Date anl.TPHg	: N/A	Date released	: 08/13/90
Date ext.TPHd	: 07/31/90	Date ext. TOG	: N/A
Date anl.TPHd	: 08/09/90	Date anl. TOG	: N/A

CAS #	Compound Name	Detection Limit (mg/Kg)	Amount Found (mg/Kg)
	TPH as Diesel	10	13

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 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.	: 9017 KEX-B-2	Anametrix I.D.	: 9007206-04
Matrix	: SOIL	Analyst	: IY
Date sampled	: 07/25/90	Supervisor	: [illegible]
Date anl.TPHg	: N/A	Date released	: 08/13/90
Date ext.TPHd	: 07/31/90	Date ext. TOG	: N/A
Date anl.TPHd	: 08/09/90	Date anl. TOG	: N/A

CAS #	Compound Name	Detection Limit (mg/Kg)	Amount Found (mg/Kg)
	TPH as Diesel	10	87

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 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.	: 9017 KEX-SW	Anametrix I.D.	: 9007206-05
Matrix	: SOIL	Analyst	: ry
Date sampled	: 07/25/90	Supervisor	: [illegible]
Date anl.TPHg	: N/A	Date released	: 08/13/90
Date ext.TPHd	: 07/31/90	Date ext. TOG	: N/A
Date anl.TPHd	: 08/09/90	Date anl. TOG	: N/A

CAS #	Compound Name	Detection Limit (mg/Kg)	Amount Found (mg/Kg)
	TPH as Diesel	10	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 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.	: 9017 KEX-SE	Anametrix I.D.	: 9007206-06
Matrix	: SOIL	Analyst	: JY
Date sampled	: 07/25/90	Supervisor	: JW
Date anl.TPHg	: N/A	Date released	: 08/13/90
Date ext.TPHd	: 07/31/90	Date ext. TOG	: N/A
Date anl.TPHd	: 08/09/90	Date anl. TOG	: N/A

CAS #	Compound Name	Detection Limit (mg/Kg)	Amount Found (mg/Kg)
	TPH as Diesel	10	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

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

TOTAL EXTRACTABLE HYDROCARBON MATRIX SPIKE REPORT
EPA METHOD 3550 WITH GC/FID
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9017 KEX-SN
Matrix : SOIL
Date sampled : 07/25/90
Date extracted: 07/31/90
Date analyzed : 08/09/90

Anametrix I.D. : 9007206-03
Analyst : IY
Supervisor : [illegible]
Date Released : 08/13/90

COMPOUND	SPIKE AMT. (mg/Kg)	MS (mg/Kg)	%REC MS	MSD (mg/Kg)	%REC MSD	RPD	%REC LIMITS
Diesel	83	83	100%	87	105%	5%	32-93

* Limits established by Anametrix, Inc.

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

Sample I.D.	: 9023 TP-1K-E	Anametrix I.D.	: 9006365-02
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: CC
Date anl.TPHg	: 07/03/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	0.006
	TPH as Gasoline	1	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 TP-1K-W	Anametrix I.D.	: 9006365-03
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: cb
Date anl.TPHg	: 07/03/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	ND
	TPH as Gasoline	1	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 TP-2K-E	Anametrix I.D.	: 9006365-04
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: CB
Date anl.TPHg	: 07/03/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	ND
	TPH as Gasoline	1	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 TP-2K-W	Anametrix I.D.	: 9006365-05
Matrix	: SOIL	Analyst	: GV-
Date sampled	: 06/28/90	Supervisor	: [illegible]
Date anl.TPHg	: 07/05/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	ND
	TPH as Gasoline	1	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 SP-C-1	Anametrix I.D.	: 9006365-06
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: CB
Date anl.TPHg	: 07/05/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	ND
	TPH as Gasoline	1	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 SP-A-1	Anametrix I.D.	: 9006365-07
Matrix	: SOIL	Analyst	: G.V.
Date sampled	: 06/28/90	Supervisor	: CA
Date anl.TPHg	: 07/05/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	0.036
	TPH as Gasoline	1	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 SP-A-2	Anametrix I.D.	: 9006365-08
Matrix	: SOIL	Analyst	: GV
Date sampled	: 06/28/90	Supervisor	: CA
Date anl.TPHg	: 07/05/90	Date released	: 07/13/90
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 (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	ND
	TPH as Gasoline	1	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 - ORGANIC LEAD
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9006365
Matrix : SOIL
Date Sampled : 06/28/90
Project Number: 9023

Date Prepared : 07/05/90
Date Analyzed : 07/05/90
Date Released : 07/16/90
Instrument I.D.: AA1

	ELEMENTS	Organic Lead
	EPA METHOD	LUFT
	REPORTING LIMIT	0.08
ANAMETRIX ID	CLIENT ID	(mg/Kg)
9006365-02	TP-1K-E	ND
9006365-03	TP-1K-W	ND
9006365-04	TP-2K-E	ND
9006365-05	TP-2K-W	ND
OMB070590S	METHOD BLANK	ND

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

Organic Lead by Leaking Underground Fuel Tank (LUFT) Manual, 1987 California State Water Resources Control Board.

Manny Nguyen 10/01/90
Analyst Date

Oleg Nenchenko 10-01-90 for
Supervisor Date

(2) 3 [illegible] 16:20
9006365

Christopher M. French, R.G.
8735 ELMWOOD AVENUE
BERKELEY, CALIFORNIA 94705

CHAIN OF CUSTODY RECORD

PROJECT: 9023 PACIFIC TRUST

SAMPLERS: (Signature) [signature], R.G.

	LAB #	STATION	DATE	TIME	WATER	SEDIMENT	TPH KERO	TPHG BTEX	ORG Pb		NO. OF CONTAINERS	REMARKS
(1)	TP-1K-1	KEROSINE	6/28/90	12:15		X	X				1	
(2)	TP-1K-E	1K GAS	↓	12:24		X		X	X		1	
(3)	TP-1K-W	1K GAS		12:30		X		X	X		1	
(4)	TP-2K-E	2K GAS		12:37		X		X	X		1	
(5)	TP-2K-W	2K GAS		12:42		X		X	X		1	
(6)	SP-C-1	SPOIL #1(C)		12:50		X		X			1	
(7)	SP-A-1	SPOIL #2(A)		12:53		X		X			1	
(8)	SP-A-2	SPOIL #2(A)	↓	12:57		X		X			1	

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
[signature], R.G.	Pat Wilbur	6/28 | 14:24
Pat Wilbur		|
		|

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
	|	[signature]	06/28/90 | 15:20

METHOD OF SHIPMENT:

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

Normal T.A.T.

ANAMETRIX INC

REPORT

CHRISTOPHER FRENCH
FRENCH & ASSOCIATES
20156 STANTON AVENUE APT#23
CASTRO VALLEY, CA 94546

Workorder # : 9009197
Date Received : 09/20/90
Project ID : 9023-PACIFIC TRUS
Purchase Order: N/A

The following samples were received at Anametrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9009197- 1	SPD-1
9009197- 2	SPD-2

This report is paginated for your convenience and ease of review. It contains 3 pages excluding the cover letter. The report is organized into sections. Each section contains all analytical results and quality assurance data related to a specific group or section within Anametrix. The Report Summary that precedes each section will help you determine which group at Anametrix generated the data. The Report Summary will contain the signatures of the department supervisor and a chemist, both of whom reviewed the analytical data. Please refer all questions to the department supervisor that signed the form.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anametrix.

Burt Sutherland
Laboratory Director

09-28-90
Date

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

CHRISTOPHER FRENCH
FRENCH & ASSOCIATES
20156 STANTON AVENUE APT#23
CASTRO VALLEY, CA 94546

Workorder # : 9009197
Date Received : 09/20/90
Project ID : 9023-PACIFIC TRUST
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009197- 1	SPD-1	SOIL	09/20/90	TPHd
9009197- 2	SPD-2	SOIL	09/20/90	TPHd

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

CHRISTOPHER FRENCH
FRENCH & ASSOCIATES
20156 STANTON AVENUE APT#23
CASTRO VALLEY, CA 94546

Workorder # : 9009197
Date Received : 09/20/90
Project ID : 9023-PACIFIC TRUST
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Cheryl Bellman 9/25/90
Department Supervisor Date

Chemist 9-28-90
Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBON AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.#: 9009197
Matrix : SOIL
Date Sampled : 09/20/90
Date Extracted : 09/21/90

Client Project# : 9023 PACIFIC TR
Date released : 09/28/90
Instrument I.D. : HP19

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9009197-01	SPD-1	09/25/90	10	100
9009197-02	SPD-2	09/25/90	10	650
DSBL092190	METHOD BLANK	09/25/90	10	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

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

Analyst 09-28-90 Date

Supervisor 9/28/90 Date

Christopher M. French, R.G.
2739 ELMWOOD AVENUE
BERKELEY, CALIFORNIA 94705

CHAIN OF CUSTODY RECORD

PROJECT				SAMPLERS: (Signature)								
9023 - Pacific Trust				Patricia French								
LAB #	STATION	DATE	TIME	SAMPLE TYPE						CONTAINERS	GRAB/COMP	REMARKS
				WATER	SEDIMENT	TPHD						
SPD-1	Diesel Spill Pile	9-20-96	11:00		X	X				1		NORMAL
SPD-2	Diesel Spill Pile	9-20-96	11:05		X	X				1		T.A.T.

RELINQUISHED BY: (Signature) Patricia French	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
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 9/20/96 1440
METHOD OF SHIPMENT:		

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One Copy – Survey Coordinator Field Files

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

CHAIN OF CUSTODY RECORD

PROJECT: 4017(9023) PACIFIC TRUST

SAMPLERS: [signature]

LAB #	STATION	DATE	TIME	SAMPLE TYPE: WATER	SEDIMENT	SOIL				CONTAINERS	REMARKS
SP-1	SPOILS	7/25/90	1058		X	X				1	
KEX-B-1	BASE #1		1027		X	X				1	
KEX-SN	SIDE - NORTH		1037		X	X				1	
KEX-B2	BASE #2		1032		X	X				1	
KEX-SW	SIDE - WEST		1034		X	X				1	
KEX-SE	SIDE - EAST		1035		X	X				1	

RELINQUISHED BY: [signature]	RECEIVED BY: [signature]	DATE/TIME 7/28/90 9:20
RELINQUISHED BY:	RECEIVED BY:	DATE/TIME
RELINQUISHED BY:	RECEIVED BY:	DATE/TIME
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