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geotechnical and environmental consulting services

1140 - 5th Avenue, Crockett, CA 94525

(510) 787-6867 - Fax (510) 787-1457 3: 51

ENVIRONMENTAL
PROTECTION

August 12, 1999

Ms. Susan Hugo
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502


RE: Report of Replacement of Monitoring Well MW-1
Former Berkeley Farms Truck Repair Shop and Yard
4575 San Pablo Avenue
Emeryville, California 94608

Dear Ms. Hugo:

Enclosed is the above-referenced report. Should you have any questions regarding the report, please feel free to call me at (510) 787-6867.

Sincerely,

Geo-Logic



Joel G. Greger, C.E.G.
Certified Engineering Geologist

License No. EG 1633
Exp. Date 8/31/2000

Attachment

STID 6508

SITE DESCRIPTION AND BACKGROUND

The subject site is located at the northwestern corner of San Pablo Avenue and 47th Street in Emeryville, California, and formerly contained a service station facility. A Site Plan (Figure 1) is attached to this report. The site also formerly operated as a truck repair shop and yard for Berkeley Farms. The southern portion of the site, where Geo-Logic's work was performed, has been redeveloped as a Kentucky Fried Chicken outlet. During construction, well MW1 was damaged, requiring replacement.

Geo-Logic's previous work at the site includes sampling during overexcavation of a waste oil tank at the northern end of the property. This work is summarized in Geo-Logic's reports (GL-97-110.R1 and GL-97-110.R2), both dated February 10, 1998.

Following this work, installation of three monitoring wells was proposed (workplan/proposal GL-98-110, dated November 15, 1997). The wells were installed in February, 1998. This work, including the results of the first quarter of monitoring and sampling, was documented in Geo-Logic's report (GL-97-110.R3) dated March 7, 1998.

In April and May, 1998, a former service station fuel tank pit at the southern portion of the site was extensively overexcavated. This work, and the results of the second quarter of monitoring and sampling, was documented in Geo-Logic's report (GL-97-110.R4) dated June 9, 1998. The most recent monitoring and sampling event (wells MW2 and MW3) was conducted on June 7, 1999, and is documented in Geo-Logic's report (GL-97-110.R8) dated June 11, 1999.

RECENT FIELD ACTIVITIES

Prior to drilling, the area was marked with white paint and Underground Service Alert was notified. Also, a permit was obtained from the Alameda County Department of Public Works - Water Resources Section.

It was originally proposed that well MW1 be properly abandoned by overdrilling. However, the proximity of utilities and landscaping installed during site redevelopment precluded access by the drill rig, therefore, the well was properly abandoned by pressure grouting. After verifying that the total original depth of the well (17 feet) was accessible, neat cement grout was pumped into the well casing under pressure using a hose plumbed directly to the well casing. Native soil was used to fill the uppermost two feet of the former well, which had been completely demolished during site redevelopment.

Also on July 30, 1999, one two-inch diameter monitoring well (designated as MW1A on the attached Figure 1) was installed at the site, at a location approximately seven feet north of damaged well MW1. The subsurface materials that were encountered and the construction of the well were essentially identical to damaged well MW1. The replacement well was drilled,

constructed, and completed in accordance with the guidelines of the Regional Water Quality Control Board (RWQCB) and the California Well Standards (per Bulletin 74-90).

The replacement well was drilled and completed to a total depth of 17 feet below grade. The uppermost five feet of the well were hand dug to insure that there was no conflict with underground utilities. Ground water was encountered at a depth of approximately 10.2 feet below grade during drilling. A soil sample was collected for laboratory analysis and for lithologic logging purposes beginning at five feet below grade below the hand dug portion of the boring. Another soil sample was collected at the capillary fringe. The undisturbed soil samples were collected by driving a California-modified split-spoon sampler holding brass liners ahead of the drilling augers. The two-inch diameter brass liners holding the samples were sealed with Teflon-lined plastic caps, labeled, and placed in individually sealed plastic bags, which were then stored in a cooler, on ice, until delivery to a state-certified laboratory.

The well casing was installed with a watertight cap and padlock. A round, watertight, flush-mounted well cover was cemented in place over the well casing. The surface of the well cover and the top of the well casing will be surveyed by Kier and Wright of Pleasanton, California, to Mean Sea Level (MSL) and to a vertical accuracy of 0.01 foot.

Well MW1A was developed on August 3, 1999. Prior to development, the well was checked for the depth to the water table (by the use of an electronic sounder) and the presence of free product (by the use of an interface probe or paste tape). No free product was noted in the well. After recording the monitoring data, the well was purged of approximately 25 gallons of water, until the evacuated water was relatively clear and free of visible suspended sediment. Monitoring and well development data are summarized in Table 1.

Well MW1A was sampled on August 6, 1999. Prior to sampling, the well was checked for depth to water, and the presence of free product and sheen. No free product or sheen was noted in the wells. After recording the monitoring data, the well was purged of approximately eight gallons of water. Once approximately three to four casing volumes had been removed from the well and the groundwater level was observed to have stabilized, a water sample was collected by the use of a clean Teflon bailer. The sample was decanted into clean VOA vials which were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory.

ANALYTICAL RESULTS

The water sample, soil samples, and a composite drill cuttings stockpile soil sample from the boring for well MW1A were analyzed at Calcoast Analytical, Inc., in Emeryville, California. All samples analyzed were accompanied by properly executed Chain of Custody documentation. The samples were analyzed for TPH as gasoline and TPH as diesel by EPA method 5030/modified 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA method 8020. In addition, the composite stockpile soil sample was analyzed for total lead.

The results of the soil analyses are summarized in Table 1, and the results of the water analyses are summarized in Table 2. Copies of the laboratory analyses and the Chain of Custody documentation are attached to this report.

DISCUSSION AND RECOMMENDATIONS

In their letter to Berkeley Farms dated June 15, 1999, the ACHCSA requested a work plan addressing abatement of petroleum hydrocarbons found in soil and/or groundwater at the site, in addition to addressing replacement of well MW1. This report summarizes the proper abandonment and replacement of well MW1. The risk assessment performed by Waterstone Environmental dated April 2, 1999, and referenced in the letter from the ACHCSA, concluded that the "soil and groundwater to indoor air" exposure pathway for on-site commercial workers is the only exposure route through which concentrations exceeded U.S. EPA risk threshold levels. For this exposure pathway, the levels were slightly exceeded. According to the risk assessment, the planned installation of a vapor barrier including backup vapor collection and exhaust system "should eliminate the vapor transport route of exposure". Based on this, there does not appear to be any unacceptable risk to human health from the residual hydrocarbons remaining in soil and/or groundwater at the site.

The site is currently monitored and sampled quarterly. The next quarterly event will be conducted in early September, 1999. Upon review of the analytical results from this event, additional recommendations will be made, as warranted.

DISTRIBUTION

A copy of this report should be sent to Ms. Susan Hugo of the ACHCSA.

LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state certified laboratory. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

Should you have any questions regarding this report, please feel free to call me at (510) 787-6867.

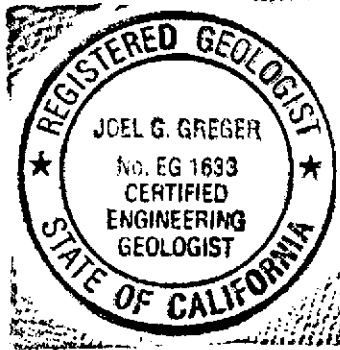
Sincerely,

Geo-Logic



Joel G. Greger, C.E.G.
Certified Engineering Geologist

License No. EG 1633
Exp. Date 8/31/2000



Attachments: Tables 1 through 3
 Figure 1
 Laboratory Analyses and Chain of Custody documentation

TABLE 1

SUMMARY OF GROUND WATER MONITORING AND PURGING DATA

<u>Well #</u>	<u>Depth to Water (feet)*</u>	<u>Total Well Depth (feet)*</u>	<u>Product Thickness (feet)</u>	<u>Sheen</u>	<u>Water Purged (gallons)</u>
	(Monitored and Sampled on <u>August 6, 1999</u>)				
MW1A	9.77	16.94	0	No	8
	(Monitored and Developed on <u>August 3, 1999</u>)				
MW1A	9.75	16.94	0	No	25

* Depth to water and total well depth measurements are taken from the top of the well casings.

TABLE 2SUMMARY OF LABORATORY ANALYSES
WATER

<u>Date</u>	<u>Sample Number</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>
8/6/99	MW1A *	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5
Detection Limit		5.0	5.0	0.5	0.5	0.5	0.5

* MTBE was nondetectable.

Results are in parts per billion (ppb).

TABLE 3

SUMMARY OF LABORATORY ANALYSES - SOIL

(Collected on July 30, 1999)

<u>Sample No./Depth</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>	<u>MTBE</u>
MW1A (4.5')	53	2.7	0.019	<0.005	0.046	0.041	<0.005
MW1A (9.5')	570	35	0.23	0.14	0.29	0.38	<0.005
Comp S1*	2.7	160	0.020	<0.005	0.039	0.027	<0.005
Det. Limit	0.10	0.10	0.005	0.005	0.005	0.005	<0.005

* Total Lead was detected at a concentration of 33 ppm.

Results are in parts per million (ppm).

APR 25 2002

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1140 - 5th Avenue, Crockett, CA 94525

(510) 787-6867 - Fax (510) 787-1457

GL-97-110.R9
Paradiso Job No. 1103-03
August 12, 1999

Berkeley Farms
25500 Clawiter Road
Hayward, California

Attention : Mr. Pat Roland

RE: Abandonment and Replacement of Monitoring Well MW1
Former Berkeley Farms Truck Repair Shop and Yard
4575 San Pablo Avenue
Emeryville, California 94608

Dear Mr. Roland:

This report documents the proper abandonment and replacement of damaged well MW1 at the subject site. The well was irreparably damaged during construction of a Kentucky Fried Chicken outlet. The scope of the work performed by Geo-Logic consisted of the following:

Coordination with the regulatory agencies

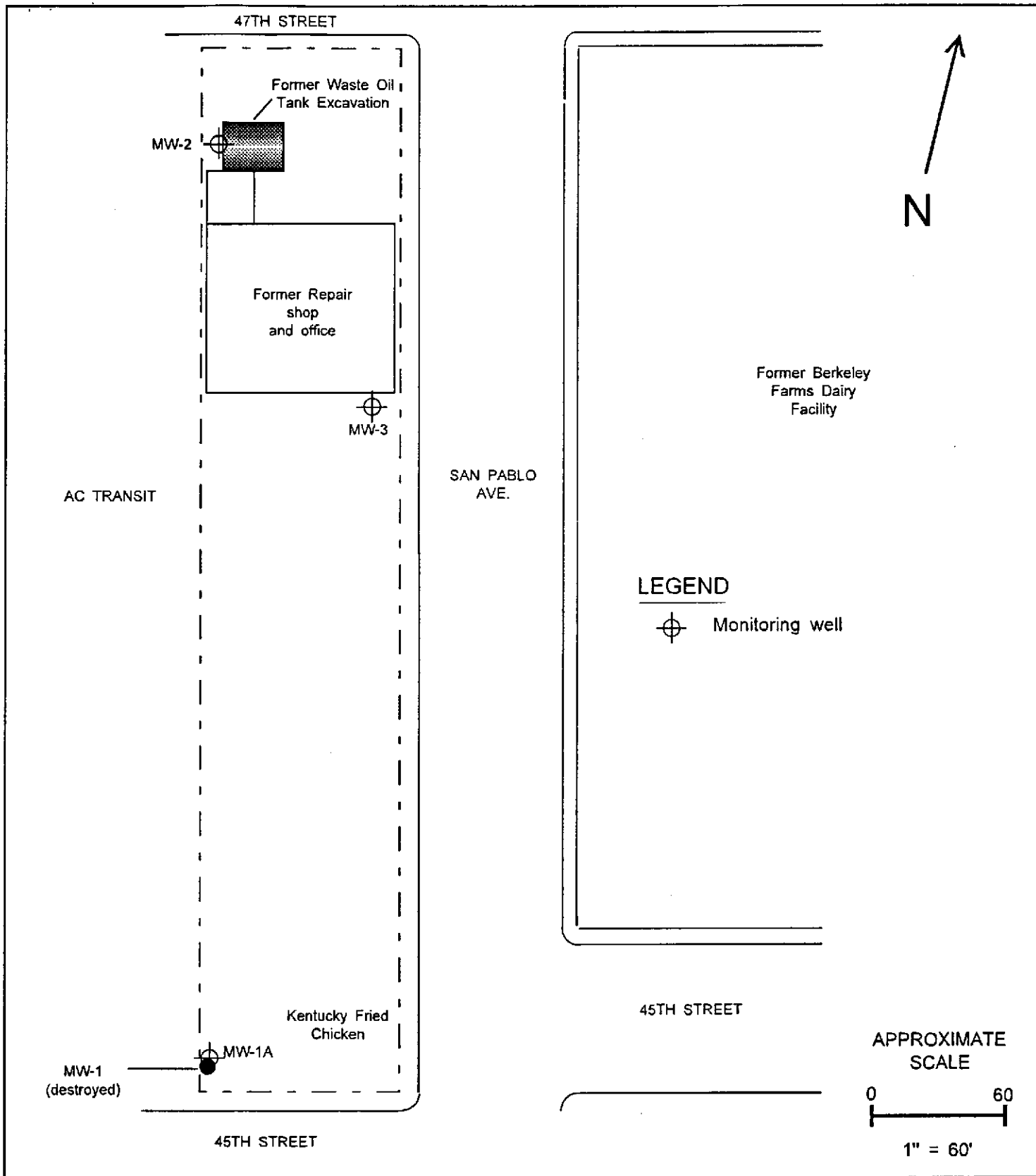
Geologic logging of one boring for the installation of one monitoring well, and proper abandonment of the damaged well

Soil sampling

Well development and ground water monitoring and sampling

Delivery of soil and ground water samples (including properly executed Chain of Custody documentation) to a California-certified analytical laboratory for laboratory analyses

Data analysis, interpretation, and report preparation



Former. Berkeley Farms Truck Repair Shop & Yard 4575 San Pablo Avenue Emeryville, California	Figure No: 1	Date: August 3, 1999
		Drawn By: JG/Geo-Logic

Site Plan

CALCOAST ANALYTICAL

Materials Chemistry

Certified by
California Department of Health Services
City of Los Angeles, Dept. of Building & Safety

August 9, 1999

Geo - Logic
1140 - 5th Avenue
Crockett, CA 94525

Attn: Mr. Joel Greger

Ref: Lab File No. 0806-5A/C-99

1. SAMPLE:

One (1) water sample contained in three (3) VOAs;

Project: Former Berkeley Farms Truck Yard, 4575 San Pablo, Emeryville
Project No: 1103 - 03
Sample: A. MW1A

Collected: August 6, 1999

Received: August 6, 1999

2. ANALYSIS REQUIRED:

- A. Total Petroleum Hydrocarbons - gasoline (TPH-g) by Gas Chromatography (GC).
- B. Total Petroleum Hydrocarbons - diesel (TPH-d) by GC.
- C. Benzene, Toluene, Ethylbenzene and Xylene (BTEX) by GC.
- D. Methyl-tert-butyl ether (MTBE) by GC.

3. METHODS OF ANALYSIS:

- A. EPA Method 8015; SW-846
- B. EPA Method 8015; SW-846
- C. EPA Method 8020; SW-846
- D. EPA Method 8020; SW-846

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FAX (510) 652-3085

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4072 WATTS STREET • EMERYVILLE, CA 94608

4. RESULTS:

A. TPH - gasoline

SAMPLE	TPH - gasoline ($\mu\text{g/L}$)
A. MW1A	< 5.0 (ND)

Method Blank / Detection Limit = < 5.0 $\mu\text{g/L}$ (none detected)
 Mean Spike Recovery = 108%

B. TPH - diesel

SAMPLE	TPH - diesel ($\mu\text{g/L}$)
A. MW1A	< 5.0 (ND)

Method Blank / Detection Limit = < 5.0 $\mu\text{g/L}$ (none detected)
 Mean Spike Recovery = 111%

C. BTEX

Sample	Concentration - ($\mu\text{g/L}$)			
	Benzene	Toluene	Ethylbenzene	Xylene
A. MW1A	< 0.5 (ND)	< 0.5 (ND)	< 0.5 (ND)	< 0.5 (ND)
Method Blank	< 0.5 (ND)	< 0.5 (ND)	< 0.5 (ND)	< 0.5 (ND)
Mean Spike Recovery	102%	97%	107%	109%

D. MTBE

SAMPLE	MTBE ($\mu\text{g/L}$)
A. MW1A	< 0.5 (ND)

Method Blank / Detection Limit = < 0.5 $\mu\text{g/L}$ (none detected)



Ronald W. Shrewsbury
Analytical Chemist

RWS: swr

ALL SAMPLES SUBMITTED FOR TESTING WILL BE HELD 30 DAYS FROM REPORT DATE AT WHICH TIME THEY WILL BE RETURNED TO CLIENT OR DESTROYED. CLIENT WILL BE RESPONSIBLE FOR ALL SHIPPING, HANDLING, AND DISPOSAL CHARGES. SAMPLES WILL BE STORED UPON WRITTEN INSTRUCTIONS AND FEE ARRANGEMENTS.

This report was made at the request of and for the use only of the purchaser of said report. Any use of or dissemination of information contained herein or reference to Calcoast Labs, Inc. without prior written consent of Calcoast Labs, Inc. is strictly prohibited

Calcoast Analytical, Inc.

Proj. Mgr.: Joel Greger Biological
 Company: Paradiso Mechanical
 Address: POB 1836
2600 Williams St
San Leandro CA
 Samples (signature): Joel M (Phone No.) 570 787 6867
 (Fax No.) 570 787 1457

Sample ID	Type	Date	Time	Preserve	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/ BTEX (EPA 602, 8020)	TPH - Diesel TEPH (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 825/827, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	MTOTFCu 8020	LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	NUMBER OF CONTAINERS
MW/A	water	8/6/99	12:30 PM	-		X	X															3

Project Information
 Project Name: 4575 San Pablo Emeryville
 Project No.: 1103-03
 PO #: 1103-03
 TAT: Standard 5-Day
 24 48 72 Other

Sample Receipt
 Total No. of Containers: 3
 Head Space:
 Rec'd Good Condition/Cold:
 Conforms To Record:

Special Instructions / Comments:
Refer to Job # + Address on lab sheets + invoice
Emr Berkeley Farms Truck Yard
4575 San Pablo Ave
Emeryville

Relinquished By: Joel M
 (Signature) Joel Greger
 (Printed Name)
 Date: 8/6/99 Time: 5:06 PM

Received By: Leather & L
 (Signature)
 (Printed Name)
 Date: 8/6 Time: 1:10 pm

Paradiso Job No 1103-03

CALCOAST ANALYTICAL

Materials Chemistry

Certified by
California Department of Health Services
City of Los Angeles, Dept. of Building & Safety

August 4, 1999

Geo - Logic
1140 - 5th Avenue
Crockett, CA 94525

Attn: Mr. Joel Greger

Ref: Lab File No. 0802-4A/B-99

1. SAMPLE:

Two (2) soil cores;

Project: Former Berkeley Farms / KFC; 4575 San Pablo Ave.,
Emeryville.
Project No: 1103-03
Samples: A. MW1A (5.5')
B. MW1A (9.5')

Collected: July 30, 1999
Received: August 2, 1999

2. ANALYSIS REQUIRED:

- A. Total Petroleum Hydrocarbons - gasoline (TPH-g) by Gas Chromatography (GC).
- B. Total Petroleum Hydrocarbons - diesel (TPH-d) by GC.
- C. Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by GC.
- D. Methyl-tert-butyl ether (MTBE) by GC.

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3. METHODS OF ANALYSIS:

- A. EPA Method 8015; SW-846
- B. EPA Method 8015; SW-846
- C. EPA Method 8020; SW-846
- D. EPA Method 8020; SW-846

4. RESULTS:

A. TPH - gasoline

Sample	TPH - gasoline (mg/kg)
A. MW1A (5.5')	2.7
B. MW1A (9.5')	35

Method Blank / Detection Limit = < 0.10 mg/kg (none detected)
 Matrix Spike Recovery = 97%

B. TPH - diesel

Sample	TPH - diesel (mg/kg)
A. MW1A (5.5')	53
B. MW1A (9.5')	570

Method Blank / Detection Limit = < 0.10 mg/kg (none detected)
 Matrix Spike Recovery = 108%

C. BTEX

Sample	Concentration - (mg/kg)			
	Benzene	Toluene	Ethylbenzene	Xylene
MW1A (5.5')	0.019	<0.005(ND)	0.046	0.041
MW1A (9.5')	0.23	0.14	0.29	0.38
Method Blank	<0.005(ND)	<0.005(ND)	<0.005(ND)	<0.005(ND)
Mean Spike Recovery	106%	94%	103%	105%

D. MTBE

Sample	MTBE (mg/kg)
A. MW1A (5.5')	< 0.005 (ND)
B. MW1A (9.5')	< 0.005 (ND)

Method Blank / Detection Limit = < 0.005 mg/kg (none detected)



Ronald W. Shrewsbury
Analytical Chemist

ALL SAMPLES SUBMITTED FOR TESTING WILL BE HELD 30 DAYS FROM REPORT DATE AT WHICH TIME THEY WILL BE RETURNED TO CLIENT OR DESTROYED. CLIENT WILL BE RESPONSIBLE FOR ALL SHIPPING, HANDLING, AND DISPOSAL CHARGES. SAMPLES WILL BE STORED UPON WRITTEN INSTRUCTIONS AND FEE ARRANGEMENTS.

This report was made at the request of and for the use only of the purchaser of said report. Any use of or dissemination of information contained herein or reference to Calcoast Labs, Inc. without prior written consent of Calcoast Labs, Inc. is strictly prohibited.

Proj. Mgr.: Joel Greger - Geologic
Company: Paradiso Mechanical
Address: PUB 1836
2600 Williams St
San Leandro CA

Samples (signature) (Phone No.)
Joel Greger 510 7876867
(Fax No.)
510 7871457

Sample ID	Type	Date	Time	Preserve	TPH - Gasoline (EPA 503, 8015)	TPH - Gasoline (603, 8015) w/ BTEX (EPA 602, 8020)	TPH - Diesel, TEPA (EPA 35, 00650, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 6240, 8242)	BASECATORALS, ACOS (EPA 625/627, 8270, 829)	TOTAL OIL & GREASE (EPA 5520, B+F, E-F)	PCB (EPA 503, 8060)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	MTBE by 8020	LUFT	METALS Cd, Cr, Pb, Zn, H	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, SLO)	
MWA (S.S)	soil	8/2/99	4 PM			X	X									X							
MWA (G.S)	↓	↓	↓			X	X									X							

Project Information

Project Name: Former Berkeley Farms
4575 San Pablo, Emeryville

Project No.: 1103-02

PO #: TAT Standard 5-Day

Conforms To Record: 24, 48, 72, Other

Special Instructions / Comments:
Refer to Job Name + No on
2 lab sheets + invoice
Former Berkeley Farms / KFC
4575 San Pablo Ave
Emeryville, CA
Paradiso Job No. 1105-07

Sample Receipt

Total No. of Containers: _____

Head Space: _____

Rec'd Good Condition/Cold: _____

Relinquished By (Signature): Joel Greger

(Printed Name): Joel G. Greger

(Date): 8/2/99 (Time): 9:15 AM

Received By (Signature): ann domingo

(Printed Name): _____

(Date): 8/2/99 (Time): 9:15 am

Post-It® Fax Note

To: Calcoast

Co./Dept.: Calcoast

Phone #: 510-7876867

Fax #: _____

Date: 8/2/99

From: Joel Greger

Co.: Calcoast

Phone #: 510-7876867

Fax #: _____

both chains of custody

AUG-02-99 10:20 AM JOEL GREGER 510 7871457 P.01

CALCOAST ANALYTICAL

Materials Chemistry

Certified by
California Department of Health Services
City of Los Angeles, Dept. of Building & Safety

August 4, 1999

Geo - Logic
1140 - 5th Avenue
Crockett, CA 94525

Attn: Mr. Joel Greger

Ref: Lab File No. 0802-5A/D-99

1. SAMPLE:

Four (4) soil cores which are composited into one (1) sample for analysis;

Project: Former Berkeley Farms / KFC; 4575 San Pablo Ave.,
Emeryville.
Project No: 1103-03
Samples: A. Comp S1

Collected: July 30, 1999
Received: August 2, 1999

2. ANALYSIS REQUIRED:

- A. Total Petroleum Hydrocarbons - gasoline (TPH-g) by Gas Chromatography (GC).
- B. Total Petroleum Hydrocarbons - diesel (TPH-d) by GC.
- C. Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by GC.
- D. Methyl-tert-butyl ether (MTBE) by GC.
- E. Total lead (Pb) content by Atomic Absorption Spectroscopy (AAS).

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SPECTROSCOPY • CHROMATOGRAPHY • MICROSCOPY

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FAX (510) 652-3085

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4072 WATTS STREET • EMERYVILLE, CA 94608

3. METHODS OF ANALYSIS:

- A. EPA Method 8015; SW-846
- B. EPA Method 8015; SW-846
- C. EPA Method 8020; SW-846
- D. EPA Method 8020; SW-846
- E. Sample Digestion - EPA Method 3050; SW-846
 AAS Analysis - EPA Method 7420; SW-846

4. RESULTS:

A. TPH - gasoline

Sample	TPH - gasoline (mg/kg)
A. Comp S1	2.7

Method Blank / Detection Limit = < 0.10 mg/kg (none detected)
 Matrix Spike Recovery = 97%

B. TPH - diesel

Sample	TPH - diesel (mg/kg)
A. Comp S1	160

Method Blank / Detection Limit = < 0.10 mg/kg (none detected)
 Matrix Spike Recovery = 108%

C. BTEX

Sample	Concentration: (mg/kg)			
	Benzene	Toluene	Ethylbenzene	Xylene
Comp S1	0.020	<0.005(ND)	0.039	0.027
Method Blank	<0.005(ND)	<0.005(ND)	<0.005(ND)	<0.005(ND)
Mean Spike Recovery	106%	94%	103%	105%

D. MTBE

Sample	MTBE (mg/kg)
A. Comp S1	< 0.005 (ND)

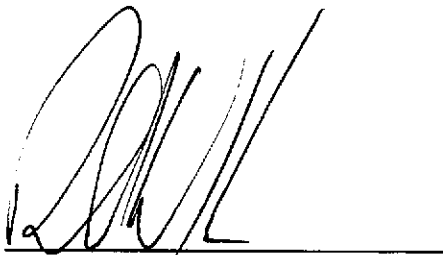
Method Blank / Detection Limit = < 0.005 mg/kg (none detected)

E. Total Pb

Sample	Total Pb (mg/kg)
A. Comp S1	33

Method Blank / Detection Limit = < 2.0 mg/kg (none detected)

Matrix Spike Recovery = 102%



Ronald W. Shrewsbury
Analytical Chemist

ALL SAMPLES SUBMITTED FOR TESTING WILL BE HELD 30 DAYS FROM REPORT DATE AT WHICH TIME THEY WILL BE RETURNED TO CLIENT OR DESTROYED. CLIENT WILL BE RESPONSIBLE FOR ALL SHIPPING, HANDLING, AND DISPOSAL CHARGES. SAMPLES WILL BE STORED UPON WRITTEN INSTRUCTIONS AND FEE ARRANGEMENTS.

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Calcoast Analytical, Inc.

Chain of Custody

Date 8/2/99 Page C of C

Proj. Mgr.: Joe G. Gregor
 Company: Paradiso Mechanical
 Address: POB 1836
2600 Williams St
San Leandro CA

Samples (signature): Joe G. Gregor (Phone No.) 570 787 6867
 (Fax No.) 570 787 1457

Sample ID	Type	Date	Time	Preserve	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/ BTEX (EPA 602, 8020)	TPH - Diesel, TEPH (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 8242)	BASIS/NEUTRAL, ACIDS (EPA 625/627, 8270, 829)	TOTAL OIL & GREASE (EPA 8520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	LUF	METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	NUMBER OF CONTAINERS
Comp 51	Soil	8/2/99	4pm		X	X									X							4

Project Information			Sample Receipt					Relinquished By:		1. Relinquished By:		2.	
Project Name	Total No. of Containers					(Signature)		1. (Signature)					
Former <u>Berkeley Farms</u>	Head Space												
Project No.	Rec'd Good Condition/Cold					(Printed Name)		1. (Printed Name)					
PO # <u>1103-02</u>	Conforms To Record												
TAT	<input checked="" type="checkbox"/> Standard	24	48	72	Other	(Date)		(Time)		(Date)		(Time)	

Special Instructions / Comments:
Refer to Job Name & Job No. on lab sheets & invoice:
Former Berkeley Farms / KFE
4575 San Pablo Ave
Emeryville CA

Received By: (Signature) am Domingo
 (Printed Name)
 (Date) 8/2/99 (Time) 9:15 am

Received By: (Signature) _____
 (Printed Name)
 (Date) _____ (Time) _____

Paradiso Job No 1103-02