

August 30, 1994

Alameda County
Health Care Services Agency
Dept. of environmental Health
1131 Harbor Bay Pkwy., Rm. 250
Alameda, California 94502-6577

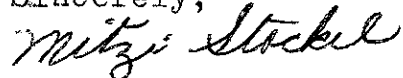
RE: 3234 Castro Valley Blvd.

Mr. Scptt Seery:

I have looked through my file on this project since receiving your letter dated August 23, 1994 and per your request for information the following has been located.

Enclosed please find a copy of the Stockel Soil Remediation Report sent to me by KTW & Associates. I believe it contains what you are looking for.

Sincerely,



Muriel (Mitzi) Stockel
3461 Almosta Road
Placerville, CA 95667
916-626-5102

1 enclosure
cc: David Glick, GeoPlexus, Inc.
Tom Gregory, KTW & Associates
c: file



43289 Osgood Road, Fremont, Calif. 94539
(415) 623-0480
Cal. State Cont. Lic. # 572427

**Stockel Soil
Remediation Report
3234 Castro Valley Boulevard
Castro Valley, California**

**Stockel Soil
Remediation Report
3234 Castro Valley Boulevard
Castro Valley, California**

This report has been generated to provide documentation of the aeration of gasoline contaminated soil at 3234 Castro Valley Boulevard, Castro Valley, California. The work was supervised and performed by K.T.W. & Associates personnel, under the Bay Area Air Quality Management Districts' (BAAQMD) Guidelines for Mitigation of Petroleum Contaminated Soils. The permit for aeration was filed with BAAQMD, under Regulation 8, Rule 40 Requirements. Aeration activities proceeded as in accordance with those regulations.

BACKGROUND

Gasoline-contaminated soil was discovered during a routine tank removal project at the site. Two (2) separate phases of overexcavation took place; one immediately upon discovery, and a second phase upon completion of a series of soil borings used to determine lateral extent.

During this process, approximately one hundred to one hundred and twenty (100-120) yards of petroleum-contaminated soil was removed. Whereas the excavation activities generated soil that was primarily below the one hundred (100) parts per million (ppm) disposal level, in the interest of prudence and caution, an aeration program was established to mitigate any "hotspots" that may have been overlooked.

SITE WORK

Stockpiled soil was introduced into a segregated treatment area created along the border of the property. This area consisted of an asphalt parking area overlain with ten (10) MIL sheets of polyethelyene, and surrounded by temporary cyclone fencing. The stockpiled material was placed onto the sheeting, solids and debris were removed, and the area was rough graded to a lift-depth of approximately eighteen (18) inches.

Aeration of the soil took place while observing 29 CFR 1910.120 protocols for Respiratory and Mechanical Protection for Work Occurring at a Hazardous Materials Site. Five (5) separate tilling events occurred between July 26, 1990 and August 20, 1990. These events consisted of entering the treatment area with a four-wheel drive (4WD), John Deere Commercial Tractor equipped with a sixty (60) inch tiller attachment. Turning and/or tilling the soil occurred for eight (8) hours duration each event. During the interim periods between tilling events, the soil was allowed to lie fallow, and volatilize to atmosphere at a reduced rate.

SAMPLING ACTIVITIES

Two (2) separate confirmatory soil sample activities took place, the first on July 30, 1990, immediately after the first week of aeration. The results of that procedure shows two (2) composite samples (field) having total petroleum hydrocarbons as gasoline (TPH-G) values at one-half part per million, and at non-detectable levels, respectively. The second set of samples taken (laboratory composited) show levels at non-detectable concentrations, well below the one hundred parts per million (100 ppm) benchmark necessary for disposal at a Class III Landfill. Laboratory results and chain of custody forms are attached in Appendix A.

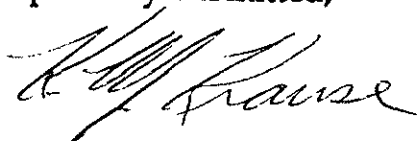
SOIL REMOVAL AND DISPOSAL

The remediated soil was loaded onto a private carrier (Ron Kelly Trucking) and was disposed of at C & G Landfill, Hayward California. An eighteen (18) yard end-dump was utilized for hauling purposes, and seven (7) round trips were completed before the site was free of soil. Some loads were "short", so it is estimated that between one hundred and five (105) to one hundred and twenty-six (126) yards were disposed of. Disposal tickets are included in Appendix A.

REGULATORY SUBMITTAL

At this writing, no regulatory submittal is required by the Alameda County Health Care Services Agency (ACHCSA). Mr. Scott Seery did request that copies of this document be kept on file in the event that reporting requirements are modified in the future.

Respectfully submitted,



K.M. Krause
Vice President
K.T.W. & Associates

Attachments

KK/emm

APPENDIX A

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

MR. KEVIN KRAUSE
KTW & ASSOCIATES
43289 OSGOOD ROAD
FREMONT, CA 94539

Workorder # : 9007230
Date Received : 07/31/90
Project ID : N/A
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9007230- 1	NORTH #1	SOIL	07/30/90	TPHg/BTEX
9007230- 2	SOUTH #2	SOIL	07/30/90	TPHg/BTEX

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

MR. KEVIN KRAUSE
KRW & ASSOCIATES
43289 OSGOOD ROAD
FREMONT, CA 94539

Workorder # : 9007230
Date Received : 07/31/90
Project ID : N/A
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

-No QA/QC problems found.

Cheryl Balmer 8/15/90
Department Supervisor Date

C. F. 8/15/90
Chemist Date

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

Sample I.D. : NORTH #1
 Matrix : SOIL
 Date sampled : 07/30/90
 Date anl.TPHg: 08/09/90
 Date ext.TPHd: N/A
 Date anl.TPHd: N/A

Anamatrix I.D. : 9007230-01
 Analyst : CF
 Supervisor : CB
 Date released : 08/14/90
 Date ext. TOG : 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	0.5	0.59

- 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. : SOUTH #2
Matrix : SOIL
Date sampled : 07/30/90
Date anl.TPHg: 08/10/90
Date ext.TPHd: N/A
Date anl.TPHd: N/A

Anamatrix I.D. : 9007230-02
Analyst : CF
Supervisor : SP
Date released : 08/14/90
Date ext. TOG : 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	0.5	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.

ANAMETRIX INC

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

**REPORT**

MR. KEVIN KRAUSE
 KTW & ASSOCIATES
 43289 OSGOOD ROAD
 FREMONT, CA 94539

Workorder # : 9008297
 Date Received : 08/28/90
 Project ID : STOCKEL TREATMENT
 Purchase Order: A2028

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

ANAMETRIX ID	CLIENT SAMPLE ID
9008297- 1	S-1,2,3,4
9008297- 2	S-5,6,7,8

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 Anamatrix. The Report Summary that precedes each section will help you determine which group at Anamatrix 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 Anamatrix.

Burt Sutherland

 Burt Sutherland
 Laboratory Director

09-10-90

 Date

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

MR. KEVIN KRAUSE
KTW & ASSOCIATES
43289 OSGOOD ROAD
FREMONT, CA 94539

Workorder # : 9008297
Date Received : 08/28/90
Project ID : STOCKEL TREATMENT
Purchase Order: A2028
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9008297- 1	S-1,2,3,4	SOIL	08/26/90	TPHg/BTEX
9008297- 2	S-5,6,7,8	SOIL	08/26/90	TPHg/BTEX

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

MR. KEVIN KRAUSE
KTW & ASSOCIATES
43289 OSGOOD ROAD
FREMONT, CA 94539

Workorder # : 9008297
Date Received : 08/28/90
Project ID : STOCKEL TREATMENT
Purchase Order: A2028
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Cheyl Balmer 9/10/90
Department Supervisor Date

C. Fer 10 Sep 90
Chemist Date



Chain of Custody Record

43289 Osgood Road, Fremont, CA 94539 (415) 623-0480

DATE 8/20/90 PAGE 1 OF 1

Client: <u>MITZI STOCHEL</u> Address: <u>3234 STOCHEL</u> Project: <u>Stackel Treatment</u>				PARAMETERS												OTHERS			NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
SAMPLERS SIGNATURE <i>[Signature]</i>				CAM METALS (18)	PR. POLLUTANT METALS (13)	GENERAL MINERALS	OIL & GREASE	TOG	BASE/NEU/ACIDS (ORGANICS)	PESTICIDES	VOLATILE ORGANICS (601/602)	VOLATILE ORGANICS (624)	TPH-G	TPH-D	BTXE					
SAMPLE NO.	DATE	TIME	LOCATION																	
S-1	8/20	7:30	S-1										✓		✓				1	TO ONE
S-2	8/20	7:35	S-2										✓		✓				1	"
S-3	8/20	7:40	S-3	} Composit to one										✓		✓			1	"
S-4	8/20	7:45	S-4										✓		✓				1	"
S-5	8/20	7:47	S-5										✓		✓				1	TO ONE
S-6	8/20	7:50	S-6	} Composit to one										✓		✓			1	"
S-7	8/20	7:52	S-7										✓		✓				1	"
S-8	8/20	7:66	S-8										✓		✓				1	"
RELINQUISHED BY <i>[Signature]</i>				DATE	RECEIVED BY <i>[Signature]</i>	DATE	RELINQUISHED BY	DATE	RECEIVED BY	DATE	TOTAL # OF CONTAINERS <u>8</u>									
				TIME	<i>K.M. Krause</i>	TIME		TIME		TIME	METHOD OF SHIPMENT <u>P/U</u>									
				TIME	<i>KTW's Assoc.</i>	TIME		TIME		TIME	SPECIAL HANDLING/ T.A.T. <u>STANDARD T.A.T.</u>									
RELINQUISHED BY <i>[Signature]</i>				DATE	RECEIVED BY <i>[Signature]</i>	DATE	RELINQUISHED BY	DATE	RECEIVED BY	DATE										
				TIME		TIME		TIME		TIME										
<i>KTW's Assoc.</i>				TIME		TIME		TIME		TIME										

PUC NO. T-89-192

RON KELLY TRUCKING

31252 VEASY STREET
UNION CITY, CA 94587
(415) 471-1122

BE NO. 21-618488

NO 2295

TRUCK NO 34 TRAILER NO 34 SE NO. CU. YDS. DATE 8-21-90

UNDERLYING CARRIER DISTANCE RATE NOTICE NO & DATE

RECEIVED FROM (CONSIGNOR) KTW ASSOC.	DELIVERED TO (CONSIGNEE) C&F Hauling
ADDRESS 3234 Castro Valley, CA	ADDRESS 111. Winton Ave
CITY Castro Valley, CA	CITY Hayward, CA
NAME AND ADDRESS OF DEBTOR (IF OTHER THAN CONSIGNOR)	

(ZONE RATES ONLY)	FOR USE WITH DISTANCE OR ZONE RATES	(DISTANCE RATES ONLY)
PRODUCTION AREA LETTER	PRECISE POINT OF ORIGIN	DISTANCE IN MILES
DELIVERY ZONE NO	PRECISE POINT OF DESTINATION	JOB NO.

SCALE TAG NO.	WEIGHT	LOADING		UNLOADING	
		ARRIVE	DEPART	ARRIVE	DEPART
1	20405	800	705	730	740
2	20405	1005	1025	1035	1105
3		1130	1200	1220	1230
4					
5					
6					
7					
8					
9					
10					

NUMBER OF AXLES 5 OVER 5 6 FEET BETWEEN FIRST AND LAST AXLE TOTAL TONS:

COMMODITY TRANSPORTED Haul (Dirt) TYPE OF LOADING AT ORIGIN POWER HAND OTHER

TIME DRIVER REPORTED FOR WORK 8:10 LOCATION AT WHICH DRIVER REPORTED FOR WORK C.V.

A STARTING TIME OF LAST TRIP	B STARTING TIME OF UNLOADING OF LAST TRIP	C OVERALL TIME FROM TIME REPORTING FOR WORK TO START OF LAST TRIP PLUS DOUBLE RUNNING TIME OF LAST TRIP PLUS UNLOADING TIME OF LAST TRIP	D DEDUCTIBLE TIME FOR MEALS OR FAILURE OF CARRIER EQUIPMENT
ENDING TIME OF LAST TRIP	ENDING TIME OF UNLOADING TIME OF LAST TRIP		
ELAPSED TIME OF THE RUNNING TIME OF LAST TRIP	ELAPSED TIME OF THE UNLOADING TIME OF LAST TRIP		

REMARKS: NET CHARGEABLE TIME 3

APPLICABLE HOURLY RATE	CHARGES
RATE IN CENTS PER TON	TOLLS OR OTHER CHARGES
TOTAL	TOTAL

RECEIVED IN GOOD ORDER BY AUTHORIZED REPRESENTATIVE PLUS REQUIRES PAYMENT FOR THESE CHARGES NOT LATER THAN THE 15TH OF THE FOLLOWING MONTH

FOR OFFICE USE ONLY: TONS, HOURS, RATE, AMOUNT, DRIVER'S SIGNATURE

Debtor agrees to pay any legal fees. Court costs for collection of delinquent accounts. Legal rate of interest will be charged for all past due accounts. All deliveries inside curb and on lot at customer's risk only and accept no responsibility for damages resulting from such delivery.

X [Signature]

RECEIVED IN GOOD ORDER BY AUTHORIZED REPRESENTATIVE PLUS REQUIRES PAYMENT FOR THESE CHARGES NOT LATER THAN THE 15TH OF THE FOLLOWING MONTH

FOR OFFICE USE ONLY: TONS, HOURS, RATE, AMOUNT, DRIVER'S SIGNATURE

PUC NO. T-89-192

RON KELLY TRUCKING

31252 VEASY STREET
UNION CITY, CA 94587
(415) 471-1122

BE NO. 21-618488

NO 2285

TRUCK NO 34 TRAILER NO 34 SE NO. CU. YDS. DATE 8-20-90

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(ZONE RATES ONLY)	FOR USE WITH DISTANCE OR ZONE RATES	(DISTANCE RATES ONLY)
PRODUCTION AREA LETTER	PRECISE POINT OF ORIGIN	DISTANCE IN MILES
DELIVERY ZONE NO	PRECISE POINT OF DESTINATION	JOB NO.

SCALE TAG NO	WEIGHT	LOADING		UNLOADING	
		ARRIVE	DEPART	ARRIVE	DEPART
1	20405	800	915	950	1000
2	20405	1025	1045	1105	1115
3	20405	1140	1200	1225	1230
4	20405	105	120	105	205
5	20405	230	245	315	330
6		400			
7					
8					
9					
10					

NUMBER OF AXLES 5 OVER 5 6 FEET BETWEEN FIRST AND LAST AXLE TOTAL TONS:

COMMODITY TRANSPORTED Haul (Dirt) TYPE OF LOADING AT ORIGIN POWER HAND OTHER

TIME DRIVER REPORTED FOR WORK 8:00 LOCATION AT WHICH DRIVER REPORTED FOR WORK C.V.

A STARTING TIME OF LAST TRIP	B STARTING TIME OF UNLOADING OF LAST TRIP	C OVERALL TIME FROM TIME REPORTING FOR WORK TO START OF LAST TRIP PLUS DOUBLE RUNNING TIME OF LAST TRIP PLUS UNLOADING TIME OF LAST TRIP	D DEDUCTIBLE TIME FOR MEALS OR FAILURE OF CARRIER EQUIPMENT
ENDING TIME OF LAST TRIP	ENDING TIME OF UNLOADING TIME OF LAST TRIP		
ELAPSED TIME OF THE RUNNING TIME OF LAST TRIP	ELAPSED TIME OF THE UNLOADING TIME OF LAST TRIP		

REMARKS: NET CHARGEABLE TIME 9

APPLICABLE HOURLY RATE	CHARGES
RATE IN CENTS PER TON	TOLLS OR OTHER CHARGES
TOTAL	TOTAL

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