

## GIVENS and ZWEBEN 1730 SOLAND AVENUE BERKELEY, CALIFORNIA 94704 (415) 526-1669

SHEL GIVENS \$26-1300 ROBERT ZWEBEN 527-7227

Date: July 15, 1988

To: Mr. Storm Goranson

Division of Hazardous Materials

80 Swan Way Rm. 200 Oakland, CA 94621

From: Givens and Zweben

Re: Telegraph and Oakland

Dear Mr. Goranson

I recently received a letter regarding the above site. At the time the tanks were removed permits were obtained from the agencies which had apparently required them. Enclosed for your information is a report done by Aqua Science. We understand that the report was done as required by various regulations.

As you can observe, test results were taken and the last sentence of the report concludes that Laboratory results indicate that motor fuel hydrocarbons were below the level of detection (0.05 p.p.n.).

A report had been forwarded to Mr. Ted Gerow back in May, 1986.

I trust you will contact Mr. Givens or me if you need further information.

Yours,

Robert Zweben

RZ/mb

## AquaScience Engineers

May 27, 1986



ENVIRONMENTAL HEALTH ADMINISTRATION

Ted Gerow, Public Health Engineer Alameda County Health Department Div. of Environmental Health 470 27th Oakland, CA. 94612

Dear Mr. Gerow:

Enclosed are the results of soil and groundwater samples taken during a tank removal at a former retail gasoline service station located at 6392 Telegraph Ave., Oakland, California.

Please notify me if you require any other infromation.

Sincerely,

Terrance E. Carter Engineering Services

## AquaScience Engineers

May 27, 1986

Shell Givens Givens Investment Company 1730 Solano Ave. Berkeley, CA. 94707

RE: REPORT - SOIL AND WATER SAMPLING AND DETERMINATION OF HYDROCARBON CONTAMINATION FROM TANK REMOVAL AT THE TELEGRAPH AND ALACATRAZ PROPERTY, 6392 TELEGRAPH AVE. OAKLAND, CA.

The site is a former retail service station that ceased operation in 1983. The site is currently under development by the Givens Investment Company. Part of the new development plans called for removing 4 underground storage tanks. The tanks were of various capacities: 1-10,000 gallon gasoline, 2-5,000 gallon gasoline and 1-550 gallon waste oil. The site location and orientation of the tanks is shown in Figure 1. The tanks were removed on March 17, 1986 by Tom Daniels Excavation. Aqua Science Engineers, Inc. was contracted to collect soil samples during the tank removal process.

The tank pits were approximately 12 feet below grade. The water table is at a depth of approximately 12 feet. The soil in the tank pits was a silty clay, dark grey in color, and had a motor fuel smell to it.

Following tank excavation each tank was inspected for cracks and holes. The waste oil tank and one of the 5,000 gasoline tanks (T-B, Figure 1) had holes. A tank leak report form was filed with the agencies on March 26, 1986. Copies of the tank leak report form are attached.

Each of the tank pits contained water with floating product residue. Dale Bowyer of the Regional Water Quality Control Board was notified by telephone of the holes discovered in the tanks and of the floating product. The floating product in the tank pits was considered a hazardous material, thus an EPA generator number was obtained by Mr. Shell Givens for disposal of the product. The product was disposed of by H & H Services of San Francisco on March 17 and 18, 1986. A total of 3600 gallons was removed from the tank pits; approximately 200 gallons from the waste oil pit and 3400 gallon from the gasoline pit.

On March 28, 1986 soil samples were collected from below the bottom of each tank end. Samples were collected by inserting a 4 inch long by 2 inch wide brass tube into the soil the length of the tube. The tube was pulled from the soil with the compacted sample inside, capped with aluminium foil and plastic caps, wrapped with light-tight tape, labled, iced down and transported to the laboratory for an analysis of total hydrocarbons (EPA 5020/8015) by Gas Chromatagraph/Flame Ionization

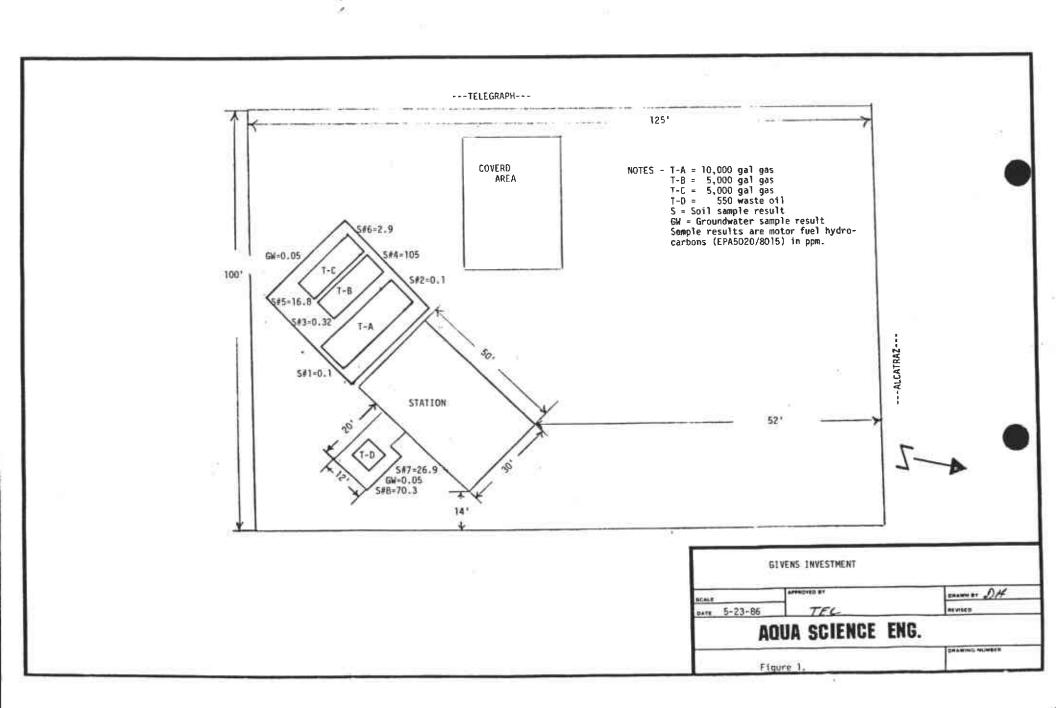
Detection. The laboratory results are attached. Figure 1, shows the results of the initial soil sampling.

Soils that were discolored and had a motor fuel odor were considered contaminated and had to be removed from the pit for treatment. All contaminated soils removed from the waste oil and gasoline pits and spread over the property and allowed to aerate. Waste oil pit soils were kept seperate from gasoline pit soils. Another round of soil samples was taken from the tank pits, one from each tank end, to confirm if the suspected contaminated soil had been removed. Figue 2, shows the results of the second sampling.

On April 7, soil samples were collected from the aerated soil and analyzed for motor fuel hydrocarbons. Aeration involved spreading the soils over the property thus allowing the volatile hydrocarbons to be driven off over a 10 day period. Three soil samples were collected and analyzed as a single sample from the waste oil aerated soil. The results, noted as back pile # 1,2,3, showed 14.0 ppm. A total of nine soil samples were collected from the two piles of aerated soil from the gasoline tank pit. From one of the aerated piles, four samples were taken (noted as corner pile #1,2,3,4,) and analyzed as one sample, and five samples were taken (noted as yellow # 1,2,3,4,5) from the other pile, and analyzed as one sample. Motor fuel hydrocarbons collected from the the corner pile show 36.0 ppm and 100.0 ppm from the yellow pile. The piles were allowed to aerate until the pits were backfilled.

Groundwater samples were collected from each of the pits using a teflon bailer, washed with TSP, rinsed with tap water and then distilled water. The sample vials and bottles were filled to overflowing in such a manner that: (1) precluded air bubbles passing through the sample during filling, and (2) sealed so that no air was entrapped in the vial. Once filled, samples were inverted and tapped to test for air bubbles. Samples were placed on ice and delivered to the lab as soon as possible. Laboratory results indicate that motor fuel hydrocarbons were below the level of detection (0.05 ppm).

cc: Dale Bowyer, Calif. Regional Water Quality Control Board Ted Gerow, Alameda County Health Department



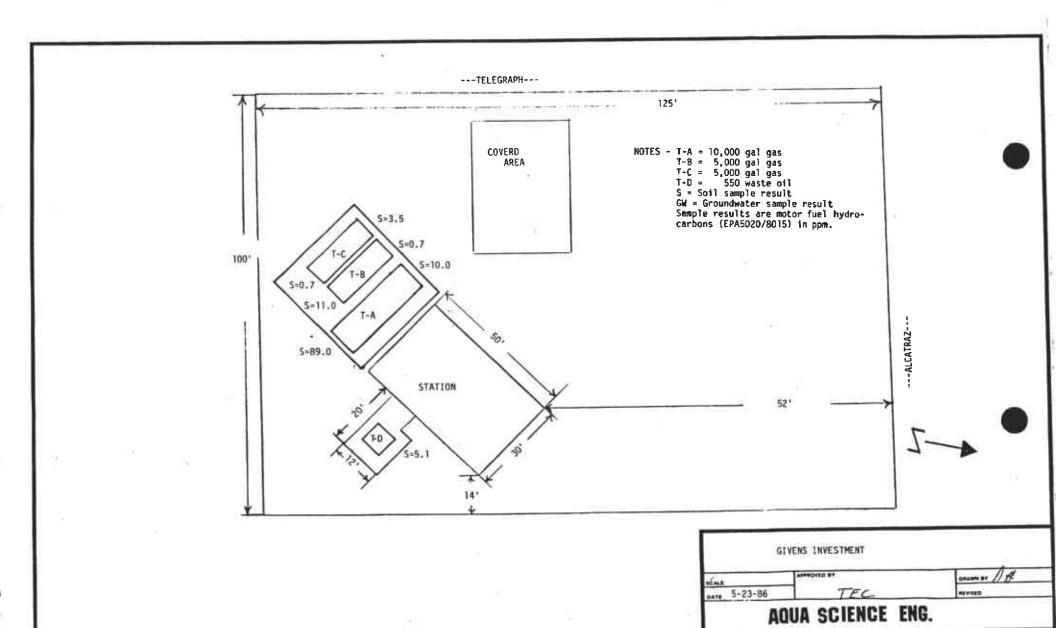


Figure 2.



## RECEIVED APR OR 1986 ADUA SCIENCE ENG.

		ced by:	Date 3-31-86	- 1		Needed b	y:	T. Ca	•	ort to: aScience Engine	ers
Job Numb AQS8620 (cont.)	er	Rec'd by: JHB	Hold Return Discard	<u></u>	of Sa	Type amples soil		·	6398 T Shell	elegraph - Givens	
Lab No.		Sample ID		Fu	tor els g/kg)	Benzene (mg/kg)	To:	luene g/kg)	Xylene (mg/kg)	Fuel Type	· · · -
4061	T	A #1			0.1	< 0.001	< 1	0.001	< 0.001	NA	
4062/ 4063	Т	A #2 A/B		<	0.1	< 0.001	<	0.001	< 0.001	NA	
4064/ 4065	Т	: В #3 A/B			0.32	< 1		< 1	< 1	Gasoline	
4066/ 4067	Т	B #4 A/B		10	5	0.13		1.6	9.4	Weathered Gasoline	
4068/ 4069	Т	C #5 A/B	·	1	6.8	0.31		0.69	0.29	Weathered Gasoline	•
4070/ 4071	1	C #6 A/B			2.9	0.080		0.11	< 0.001	Weathered Gasoline	
4072	1	'D #7		2	.6 <b>.</b> 9	0.04		0.12	1.54	Weathered Gasoline	
4073	1	TD #8			70.3	0.10		0.72	6.8	Weathered Gasoline	
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Method of Analysis and Preparation: EPA Method Nos. 5020/8015

MESCO LABORATORIES IS A DIVISION OF MESTERN ECOLOGICAL SERVICES COMPANY (MESCO)

	mitted by: nce Engineer	s	Date 4-8-86	Re		Needed b	Ŋ:	M	_	ort to: e Engineer:	3
Job Numb AQS8623	er Rec'd b	ļ	Hold Return Discard		of Sa	Type mples soil			6398 T	elegraph	
Lab No.	Sample	ID		Fu	tor	Benzene (mg/kg)	,	Luene g/kg)	Xylene (mg/kg)	Fuel Type	
4091	TAL		   		89	1.44		0.81	1.37	Gasoline	•
4092	TA2				10	0.51		0.19	0.05	Gasoline	
4093	TB3				11	ND*		ND	ND	Weathered Gasoline	
4094	   TB4		• 1		2.0	0.029		0.023	0.074	Gasoline	
4095	TC5				0.7	0.016		ND	0.011	Weathered Gasoline	
4096	TC6				3.5	0.062		0.052	0.044	Weathered Gasoline	
4097	Waste Oil	Ĺ			5.1	0.022		0.016	0.046	Weathered Gasoline	

\*Concentration of this constituent not determinable due to interference in sample.

Method of Analysis and Preparation: EPA Method Nos. 5020/8015.

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NESCO LABORATORIES IS A DIVISION OF MESTERN ECOLOGICAL SERVICES COMPANY (NESCO)

14 GALLI DRIVE, SUITE A. NOVATO, CALIFORNIA 94947 (415) 883-6425

		ted by: Engineers	Date 4-8-8	į.		s Needed 4-11-86	by:	,	•	port to: ce Engine	ers
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Method of Analysis and Preparation: EPA Method Nos. 5020/8015.

MESCO LABORATORIES IS A DIVISION OF MESTERN ECOLOGICAL SERVICES COMPANY (MESCO)

14 GALLI DRIVE ... VITE A. NOVATO, CALIFORNIA 94947 (1045) 883-6425



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APR 3 0 1986

AQUA SCIENCE ENG.

nce Engineers	4-8-86		Needed 1-11-86	- t	-	cort to: ce Enginee	rs
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Back Pile #1, and #3	<b>#2</b> ,	14.6	0.335	0.570	0.905	Gasoline	
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Method of Analysis and Preparation: EPA Method Nos. 5020/8015.

WESCO LABORATORIES IS A DIVISION OF WESTERN ECOLOGICAL SERVICES COMPANY (WESCO)



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Method of Analysis and Preparation: EPA Method Nos. 5020/8015.

WESCO LABORATORIES IS A DIVISION OF WESTERN ECOLOGICAL SERVICES COMPANY (WESCO)

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_	FACILITY NAME (IF APPLICABLE)	OPERATOR	PHONE ( )	
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