

## **RECEIVED**

2:38 pm, Mar 03, 2011

Alameda County

Environmental Health

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.

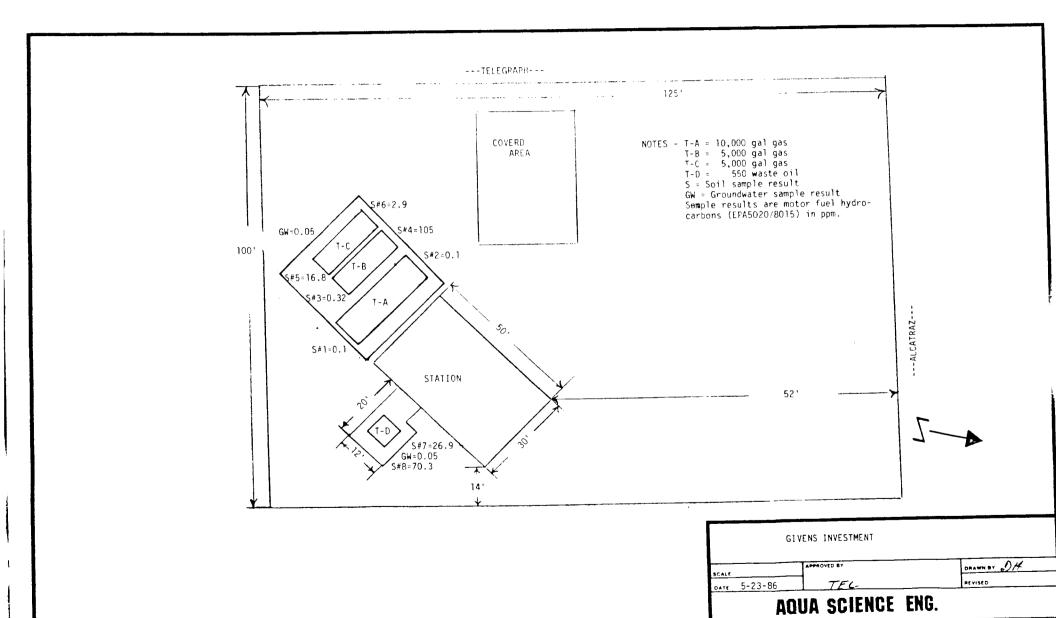
The site is a former retail service station that ceased operation in 1983. The site is currently under development by the Givens Investment Company. Part of the new development plans called for removing 4 underground storage tanks. The tanks were of various capacities: 1-10,000 gallon gasoline, 2-5,000 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.

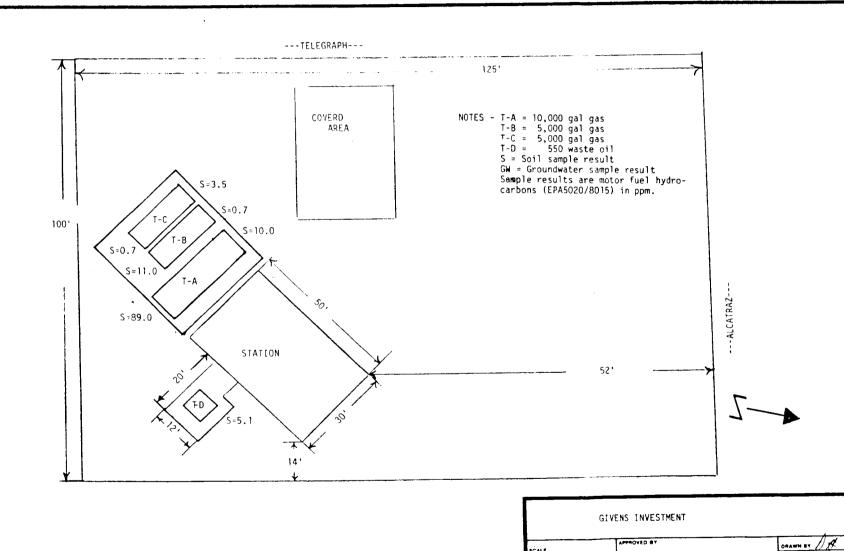
Each of the tank pits contained water with floating product residue. Dale Bowyer of the Regional Water Quality Control Board was notified by telephone of the holes discovered in the tanks and of the floating product. The floating product in the tank pits was considered a hazardous material, thus an EPA 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



DRAWING NUMBER

Figure 1.



SCALE

DATE 5-23-86

Figure 2.

TEC

AQUA SCIENCE ENG.

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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 Laboratory Results



Papittecea pl.			Date 3-31-86				у:	Report to: T. Carter, AquaScience Engineers				ngineers
Job Number Rec'd by: AQS8620 JHB		Hold Return Discard	irn of Sa		Type mples Soil		6398 Telegrap Shell - Given			elegraph - Givens		
Lab No.	Sample ID			Fu	tor els g/kg)	Benzene (mg/kg)	Toluene (mg/kg)		Xyl (mg	ene /kg)	Fuel Type	
4061	T.	A #1		1	0.1	< 0.001	< (	0.001	< 0	.001	NA	
4062/ 4063	T.	TA #2 A/B			0.1	< 0.001	<	< 0.001		.001	NA	
4064/ 4065	Т	B #3 A/B		0.32		< 1		< 1		1	Gasoline	
4066/ 4067	Т	B #4 A/B		105		0.13	1.6		, 9	.4	Weathered Gasoline	
4068/ 4069	T	C #5 A/B	!	1	6.8	0.31		0.69	0.69 0.29		Weathered Gasoline	,
4070/ 4071	Т	C #6 A/B			2.9	0.080		0.11	< C	.001	Weathered Gasoline	
4072	TD #7			2	6.9	0.04		0.12	]	54	Weathered Gasoline	
4073	TD #8		7	0.3	0.10		0.72	6	8.8	Weathered Gasoline		
: 1 %												

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

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

Submitted by: Da AquaScience Engineers 4-			1	Needed b	I.	Report to: AquaScience Engineers			
Job Numb AQS8623	er Rec'd by:	Hold Return Discard	of Sa	Type mples	6398 Telegraph				
Lab No.	Sample ID		Motor Fuels (mg/kg)	Benzene (mg/kg)	Toluene (mg/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		2.0	0.029	0.023	0.074	Gasoline		
4095	TCS		0.7	0.016	ND	0.011	Weathered Gasoline		
4096	TC6		3.5	0.062	0.052	0.044	Weathered Gasoline		
4097	Waste Oil		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.

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

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

Sub	Date 4-8-8	j	Results Needed by:			Report to: AquaScience Engineers				
Job Numb	Hold Return Discard		# and Type of Samples  X 4 soil			6398 Telegraph				
Lab No.	Sample II	)	Fu	tor els /kg)	Benzene (mg/kg)		.uene 1/kg)	Xylene (mg/kg)	Fuel Type	
4106- 4109	Corner Pile #1, #2, #3, and #4		:	36	0.24	0	.031	1.2	Gasoline	
						j		,		

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

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14 GALLI DRIVE ... SITE A. NOVATO, CALIFORNIA 94947 (5(45) 883-6425



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AQUA SCIENCE ENG.

1			Date 4-8-86	j				Report to: AquaScience Engineers			
Job Numb	Job Number Rec'd by: HAQS8625 NW I			X	of Sa	Type amples soil	<u> </u>		6398	Telegraph	ı
Lab No.		Sample ID		Mot Fue (ma/	ls	Benzene (mg/kg)		uene /kg)	Xylene (mg/kg)	Fuel Type	
41 03- 41 05	Back Pile #1, #2, and #3		#2,	(mg/kg)   14.6		0.335	35 0.570		0.905	Gasoline	

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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APR 3 0 1986

AQUA SCIENCE ENG.

Subn	Date 4-8-86	Re		Needed   -11-86	oy:	Ac	_	ort to: e Enginee	rs		
Job Number	Job Number   Rec'd by: AQS8624 NW			<u></u>	of Sa	Type mples soil			6398	Telegraph	
Lab No.		Sample ID		Motor Fuels (mg/kg)		Benzene (mg/kg)	,	nluene ng/kg)	Xylene (mg/kg)	Fuel Type	
4098- 4102	Ye. #4	Yellow #1, #2, #3, #4, and #5			.00	1.2		0.75	6.1	  Gasoline 	

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

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

Tank Leak Report

	UNDERGROUND STORAGE TANK UNAU	THORIZE	D RELEASE	(LEAK)/C	ONTAMIN	ATION S	ITE RE	PORT			
	RGENCY HAS STATE OFFICE OF EMERGENCY SE	RVICES	STATE TANK ID				<u></u>				
	YES Y NO REPORT BEEN FILED? YES DORT DATE LOCAL CASE #	NO	REGIONAL BOAT	RD CASE #	<u> </u>	IS EPA ID	<del>,</del>				
1											
	NAME OF INDIVIDUAL FIELDS REF SAL	IONE		SIGNA		۰ .	~ <del></del>	-			
) m			820-9391	GENCY NAME	mance	۷. ۵	arter	<u> </u>			
A 150	REPRESENTING   LOCAL AGENCY   OTHER			ence Engi	neers						
REPOR	ADDRESS 1 Crow Canyon Court, Suite 100 San Ramon, California Cali										
1	NAME		CONTACT PERS	ion	<u> </u>	PHONE			· · · · · ·		
ON ON O	Givens Inwestment Company 🗀 u	Shel Gi	vens		1(415	) 526	-1300				
ESPO	ADDRESS 1730 STREET Solano Avenue	Re	rkeley city		Californ	nia sta	TE 947	07 ZIP			
œ an	FACILITY NAME (IF APPLICABLE)	ВС	OPERATOR			PHONE					
z 0 F						(	)				
- -0CAT	6398 Telegraph Oakland CITY California CAJameda										
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<u></u>	Telegraph/Alcatraz RESIDENTIAL	RURAL _	OTHER		NKNOWN	PHON					
ų Ž			Ted Gero			(415		74-723	7		
NTING	REGIONAL BOARD										
2 2	Regional Water Quality Control Boa	on II Da	(415	415 ) 464-1255							
MPLE	Alameda County Public Health	Rafat A. Shahid, P.E. (415 )						7			
UT.		) NAME	L			`	TITY LOS				
TANCE	0111111111	Wa	ste oil ta	nk size 5	50-gal.			(X_) u	NKNOW		
80 >	UNKNOW										
S.	DATE DISCOVERED HOW DISCOVERED INVENTORY CONTROL SUBSURFACE MONITORING										
 	7 3M 10 70 84 6 Y ROUTINE MONITORI	X TANK   NUISANCE CONDITION; OTHER:									
2 Z	IDATE DISCHARGE BEGAN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)  REMOVE CONTENTS REPLACE TANK CLOSE TANK								
BATEM	M M D D Y Y W LY UNKNOWN	· · · · · · · · · · · · · · · · · · ·	REPAIR TANK REPAIR PIPING CHANGE PROCEDURES								
Ö <b>4</b>	[X]YES NO IF YES, DATE   OM 3 M ] D 7	98 Y 6 Y	OTHER tank removed								
M	SOURCE(S) OF DISCHARGE TANK	S ONLY/CA	PACITY 550-	galG	CAUSEIS		[X] co	ORROSION	I		
URCE/CAUSE	AGE		YRS. UNKNOWN								
CE/6	PIPING LEAK	RIAL Teel	FIBERGLASS RUPTURE/FAILURE					SPILL			
1008		THER			□ UNK	IOWN 🔲	WN OTHER				
12	OSCOURCES ASSECTED	EATENED	UNKNOWN	WATER SUPP	PLIES AFFEC		THREAT- ENED	KNOWN	F OF WELLS		
TED/	AIR (VAPOR)		Ι <u>χ</u> Ί	PUBLIC DRIN				X			
FEC	SOIL (VADOSE ZONE)			PRIVATE DR	INKING			$\overline{\mathbf{x}}$			
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Sounce	OTHER (SPECIFY)			OTHER (SPEC	(IFY)						
RES	GROUNDWATER BASI		UNKNOWN								
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1 5	According to Ted Gerour of the A	ACHA, st	ate tank I	.D. # wer	e unava	ilable					
MMENTS	at the time of reporting.										
1 0	Cleanup mitigation plan forthcom										
1	COMPLETE AND ATTACH A CLEANUP TRACKING REP		CLEANUP WOR	K OR PLANNIN	IG HAS STAR	TED .		41C 08	(10/85)		

	UNDERGROUND STORAGE TANK UNAUTHORIZE	ED RELEASE	(LEAK)/	CONTAMINAT	ION SITE R	EPORT					
EMF	RGENCY HAS STATE OFFICE OF EMERGENCY SERVICES	STATE TANK ID									
	YES NO REPORT BEEN FILEDT YES NO	REGIONAL BOARD CASE # US EPA ID #									
	ORT DATE LOCAL CASE #	REGIONAL BOAR	U CASE #	05 (							
0м	3 M 20 60 8 V 6 V	L		ATURE	_	,					
BY	RAZZAX Terrance E. Carter (415) 8			Tenance	E Can	tu					
	REPRESENTING LOCAL AGENCY OTHER	COMPANY OR AG	SENCY NAM	Ε							
0 R T	X OWNER/OPERATOR REGIONAL BOARD	Aqua Scie	nce Eng	ineers		·					
REPC	ADDRESS 1 Crow Canyon <sub>e</sub> Court, Suite 100 Sai	n Ramon <sub>city</sub>		California	STATE 9458	33 <sub>zip</sub>					
<u>-</u> , 2	NAME	Shel G			(415 ) 52	26-1300					
RESPONSI-	Givens Investment Company unknown	1									
RES!	1730 STREET Solano Avenue Ber	keley city	<u>Cali</u>	fornia	STATE	9470721P					
	FACILITY NAME (IF APPLICABLE)	OPERATOR	<u></u>		PHONE )						
20 E					( )						
OCAT	ADDRESS	kland CITY	(alif	ornia Al	amedaity	ZIP					
E LO	D.190 COMMERCIA	AL INDUSTRI		TYPE OF BUSINE		AIL FUEL STATION					
SITE	CROSS STREET TYPE OF AREA COMMERCES	OTHER		[] UNKNOWN	OTHER						
-	Telegraph/Alcatraz RESIDENTIAL RURAL LOCAL AGENCY AGENCY NAME	CONTACT PERS			PHONE	07 <i>1</i> 1_7227					
ა 2	Alameda County Health Agency	Ted Gero	ur		(415)	874-7237					
EMENTING SENCIES	REGIONAL BOARD Regional Water Quality Control Board Reg	on II D	on II Dale Bowyer (415)								
IMPLE!	Alameda County Public Health		Rafat A. Shahid, P.E. (415)								
OI	CAS # (ATTACH EXTRA SHEET IF NEEDED) NAME	CAS # (ATTACH EXTRA SHEET IF NEEDED) NAME QUANTITY LOST									
ANCE	(1)										
SUBSTA			·			UNKNOW					
s =	DATE DISCOVERED HOW DISCOVERED INVE	NTORY CONTROL		SUBSURFACE M							
RY/ FN	DOUTING MONITORING	X REMOVAL		E CONDITIONS [		DI VI					
X E R	DATE DISCHARGE BEGAN	METHOD USED	CLOSE TANK								
SCOVE	M M D D Y Y Y UNKNOWN HAS DISCHARGE BEEN STOPPED?	REMOVE CO	PROCEDURES								
	1	REPAIR TANK REPAIR PIPING CHANGE PROCEDU  Y OTHER tank removed									
101	SOURCE(S) OF DISCHARGE TANKS ONLY/CA	APACITY 5,000	1	GAL CAUSE(S)	רר ואט	CORROSION					
/CAUSE	TANK LEAK UNKNOWN AGE	YRS. UNI	KNOWN								
CE/C	PIPING LEAK	[ ] e.o.	ERGLASS	[X] RUPTUI	RE/FAILURE [	_]SPILL					
a S	STEEL			_ UNKNO	WNOTHER						
S	DESCRIPTION ASSECTED	UNKNOWN	WATER SU	IPPLIES AFFECTE	NO ENE						
ED/	123 110 11112	[X]	PUBLIC DI			<b>X</b> -—					
គ្នា	SOIL (VADOSE ZONE)		WATER PRIVATE I	DRINKING -		<b>X</b> —					
A X	GROUNDWATER X []		WATER			□ □ <del>□</del> □					
RISI	SURFACE WATER OR STORM DRAIN X		AGRICULT								
OURCES AFFERTE	OTHER (SPECIFY)		OTHERISP								
HE SO	GROUNDWATER BASIN NAME										
	ACFD/ Zone 12	UNKNOWN									
	COMMENTS:		T D "	LIAMA CONT.	ilskla						
OWMENTS	According to Ted Gerour of the ACHA, at the time of reporting.	state tank	1.U.#	were unava	ııadle						
O O M	I CIEDIDO INICIANCION PINO I VI VIIVO III			NING USE SET	÷0	45C 05 (10/85)					
	COMPLETE AND ATTACH A CLEANUP TRACKING REPORT IF AN	Y CLEANUP WOR	K OR PLAN	NING HAS START	E U .	NJC 00 (10/88)					

Agency Contacts



May 27, 1986

Dale Bowyer, Water Resources Control Engineer Regional Water Quality Control Board 1111 Jackson St. Oakland, CA. 94607

Dear Mr. Bowyer:

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



May 27, 1986

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

Dear Mr. Gerow:

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Sincerely,

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