

COPY

CALIFORNIA REGIONAL WATER

SEP 22 1989

CF

NINE HUNDRED DOOLITTLE ASSOCIATES  
P.O. Box 111, Oakland, CA 94604  
(415) 893-6998

QUALITY CONTROL BOARD

September 20, 1989

Alameda County Health Care Services  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, CA 94621

BAY COUNTY PROPERTIES

Attention: Rafat A. Shahid & Larry Seto

Subject: 900 Doolittle Drive, San Leandro, CA 94577

Gentlemen:

This letter supplements our September 12, 1989 and is to apprise you of the result of the August 15, 1989 testing of the five (5) monitoring wells on our site.

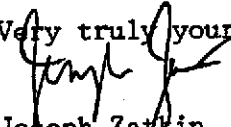
The monitoring was accomplished by Aqua Science Engineers, Inc., 2500 Old Canyon Road, Suite 121, San Ramon, CA 94583. Their report of the method used and the results is covered in the copy of the September 18, 1989 letter from them which is attached. A copy of their custody report is also attached for your sight.

The laboratory testing of the samples was accomplished by Pace Laboratories, Inc. A copy of that report is attached.

In addition we enclose another copy of Applied Geosciences, Inc. original map showing the location and the results of well monitoring for the presence of TCE. On this copy of the map we have inked the results of the August 15, 1989 sampling which is outlined above.

Be assured that it is our intention to continue to monitor these wells quarterly as requested by you.

Very truly yours

  
Joseph Zarkin  
General Partner

cc: State Regional Water Quality Control Board  
Aqua Science Engineers, Inc.  
Applied Geosciences, Inc.



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September 18, 1989

Mr. Joseph Zatklin  
Nin hundred Doolittle Associates  
1939 Harrison  
Suite 615  
Oakland, CA 94612

Dear Joe:

Please find enclosed: (1) our invoice for off-haul of Class I soil; (2) the invoice from H&H to be paid by you directly to H&H; and (3) the laboratory data and Chain-of-Custody document from our recent sampling of the monitoring wells at 900 Doolittle.

The monitoring wells were sampled on August 15, 1989 by our technician. Each well was sampled after removing five well volumes of groundwater. The sampling devise (baller) was cleaned with TSP and distilled water prior to sampling each well. The bailed water was placed into the 55-gallon drums and later manifested.

The well identification and sample result is shown below.

ASE ID.	CORRESPONDING APPLIED GEO-SCIENCES ID.	SAMPLE RESULT ug/L
MW-1A&1B	DL-1	2.8
MW-2A&2B	DL-3	910
MW-3A&3B	DL-4	6.8
MW-4A&4B	DL-5	42
MW-5A&5B	DL-2	14

Please call if you have any questions.

Sincerely,

*Terry*  
Terrance E. Carter  
Manager, Engineering

TEC/ds

**pace.**  
laboratories, inc.

REPORT OF LABORATORY ANALYSIS

Offices:  
Minneapolis, Minnesota  
Tampa, Florida  
Coralville, Iowa  
Novato, California  
Leawood, Kansas

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August 28, 1989

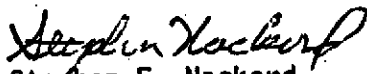
Mr. Terry Carter  
AquaScience Engineers, Inc.  
2500 Old Crow Canyon Rd.  
Suite 121  
San Ramon, CA 94583

Dear Mr. Carter:

Enclosed is the report of laboratory analyses for samples received  
08/16/89.

If you have any questions concerning this report, please feel free  
to contact us.

Sincerely,



Stephen F. Nackord  
Director, Sampling and Analytical Services

Enclosures



REPORT OF LABORATORY ANALYSIS

Offices:  
Minneapolis, Minnesota  
Tampa, Florida  
Coralville, Iowa  
Novato, California  
Leawood, Kansas

AquaScience Engineers, Inc.  
2500 Old Crow Canyon Rd.  
Suite 121  
San Ramon, CA 94583

August 28, 1989  
PACE Project Number: 490816506

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Attn: Mr. Terry Carter

900 Doolittle Assoc.

Date Sample(s) Collected: 08/15/89  
Date Sample(s) Received: 08/16/89

PACE Sample Number:  
Parameter

<u>Units</u>	<u>MDL</u>	<u>759420 MW-1A&amp;1B</u>	<u>759430 MW-2A&amp;2B</u>	<u>759440 MW-3A&amp;3B</u>
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ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS					
Trichloroethene (by EPA Method 8010)	ug/L	0.5	2.8	910	6.8

MDL Method Detection Limit

Mr. Terry Carter  
Page 2

August 28, 1989  
PACE Project Number: 490816506

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<u>PACE Sample Number:</u> <u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>759450</u> <u>MW-4A&amp;4B</u>	<u>759460</u> <u>MW-5A&amp;5B</u>
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ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Trichloroethene (by EPA Method 8010)	ug/L	0.5	42	14
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MDL Method Detection Limit

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my direct supervision.



Douglas E. Oram, Ph.D.  
Organic Chemistry Manager

490816.5.  
CCD359

P.O. Box 535, San Ramon, CA 94583-0535

180310  
780417



(415) 820-9391

Project Name: 900 Doolittle Assoc. Site: Same Date: 8/15/89 Laboratory: PACE

Sample ID	Sample/Container Type	Analyze/ Hold	Analyze For:	Method - Detection Limit	Notes/Remarks
75943 MW-1A	40mil/G.V	A	TCE	6 TCE	Standard turn out
MW-1B	40mil/G.V	A	" "	" "	
75943 MW-2A	40mil/G.V	A			
MW-2B	40mil/G.V	A			
75944 MW-3A	" "	A			
MW-3B	" "	A			
75945 MW-4A	" "	A			
MW-4B	" "	A			
75946 MW-5A	" "	A			
MW-5B	" "	A			

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S = Soil M = Meter O = Other  
G = Glass BT = Brass Tube P = Plastic V = Vial Q = Other

Chain of Custody

1. Sampled by: John Chapman 3. Received by Lab: Ed DeL...  
 2. Courier: Aqua Science Date: 8/16/89 Time: 10:30  
 4. Received in Office: Date: \_\_\_\_\_  
 Del. Ed A 8/16/89 12:00pm  
 Rec. G. S. 8/16/89 12:00pm

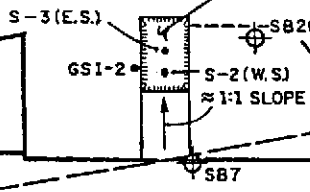
- Collect all samples for single analysis
- Collect and analyze two top samples clean, do not analyze other samples
- Call ASE for instructions.
- See attached protocol.

6/door



S. P. R.R. TRACKS

LOCATION OF VAULT EXCAVATION



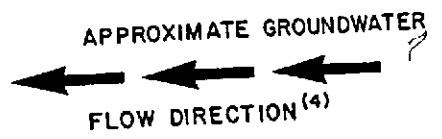
TCE (ppb)	
2/9/89	88
3/1/89	43
* 8/15/89	42

TCE (ppb)	
1/11/89	1600
2/10/89	580
3/1/89	750
* 8/15/89	910

TCE (ppb)	
1/11/89	280
2/10/89	180
3/1/89	210
* 8/15/89	14

TCE (ppb)	
1/11/89	1100
2/9/89	300
3/1/89	200
* 8/15/89	2.8

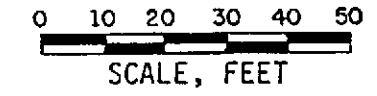
TCE (ppb)	
2/9/89	85
3/1/89	51
* 8/15/89	6.8



EXPLANATION

- S-2(W.S.) ● GRAB SAMPLE
- GSI-2 ● GRAB SAMPLE
- ⊕ SB 1 EXPLORATORY SOIL BORING
- ⊕ DLT 1 MONITORING WELL
- ⊠ CYLINDRICAL HOLE, CONCRETE LINED (SIDES AND BOTTOM)
- SUSPECTED WELL LOCATION
- LIMITS OF EXISTING CONCRETE SLAB, DRIVEWAY, ETC.
- - - LIMITS OF PROPOSED BUILDING
- - - - APPROXIMATE LOCATION OF VITRIFIED CLAY LEACHLINE
- / — PROPERTY LINE

- NOTES: (1) BASE MAP: PROPERTY AT 900 DOOLITTLE DRIVE, SAN LEANDRO, CALIFORNIA; BATES AND BAILY LAND SURVEYORS, AUGUST 1987, 1"=20'
- (2) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
- (3) LEACH LINE LOCATION PROVIDED BY CF and B BUILDERS
- (4) BASED ON WATER LEVEL MEASUREMENTS OF 13 MARCH 1989



**APPLIED GEOSCIENCES INC.**  
Engineering Geology and Hazardous Materials Consultants

DISTRIBUTION OF TCE  
IN MONITORING WELLS  
DOOLITTLE ASSOCIATES  
San Leandro, California

PROJECT NO. A881388      FIGURE 7

DOOLITTLE DRIVE

\* MONITORED BY AQUA SCIENCE ENGINEERS, INC.

LIKIT WAY