

ATT

929393-10310

LETTER OF TRANSMITTAL

Date: June 30, 1993

To: Ms. Juliet Shin
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

From: Kimberly S. Lagomarsino *K.S.L.*
Staff Scientist

Subject: **First Quarterly Report 1993**
Alameda Collision Repair
1911 Park Street, Alameda, CA
(Project No. 929393)

Aqua Terra Technologies
Consulting Engineers
& Scientists

2950 Buskirk Avenue
Suite 120
Walnut Creek, CA
94596-2079
FAX 934-0418
510 934-4884

Transmitted herewith is the first quarterly report for 1993. ATT's Second Quarterly Report 1993, dated April 8, 1993, was inadvertently documented as the second quarterly report, when, in actuality, it was the first quarterly report. Please replace pages one through three of ATT's April 8, 1993 report with the attached pages.

Please contact our offices with any questions you may have regarding matters discussed herein.

cc: Jeff Thompson, Alameda Collision Repair



April 8, 1993

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

**Subject: First Quarterly Report 1993
Groundwater Monitoring for Alameda Collision Repair
1911 Park Street, Alameda, California
(Project No. 929393)**

Aqua Terra Technologies
Consulting Engineers
& Scientists

Dear Ms. Shin:

2950 Buskirk Avenue
Suite 120
Walnut Creek, CA
94596-2079
FAX 934-0418
510 934-4884

The following letter report, compiled by Aqua Terra Technologies, Inc. (ATT), summarizes laboratory analytical results for groundwater samples collected from the monitoring well at the subject site. The groundwater monitoring well was installed by ATT in accordance with the November 18, 1992 ATT Workplan approved by the Alameda County Health Care Services Agency (ACHCSA). Monitoring well installation activities were summarized in the January 20, 1993 report to the ACHCSA. Groundwater monitoring activities, for the first quarter 1993, are summarized below.

SITE SETTING & WELL LOCATION

Alameda Collision Repair is an auto body repair shop located in the City of Alameda, California, approximately 0.5 miles west of Highway 880 (Plate 1, Attachment A). The location of the groundwater monitoring well, designated MW1, is shown on Plate 2, Attachment A.

GROUNDWATER SAMPLE COLLECTION

On March 30, 1993, ATT field personnel collected a set of groundwater samples from monitoring well MW1. The equilibrated depth to groundwater was approximately 4.0 feet below surface grade (bsg) on March 30, 1993. Groundwater samples were submitted for analysis to a California Department of Health Services (DHS) certified laboratory under ATT's chain-of-custody

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Health Care Services Agency
April 8, 1993
Page 2

documentation protocols. A copy of the groundwater sample collection record is in Attachment B.

LABORATORY SAMPLE ANALYSIS

Copies of the signed laboratory analytical reports and chain-of-custody records are included in Attachment C.

Groundwater Sample Analytical Methods

Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Test Methods 5030/8015 and 602, respectively.

Groundwater Sample Analytical Results

No analytes were detected in the groundwater samples at or above the test method detection limits. A cumulative summary of groundwater analytical results is presented in Table 1, Attachment D.

PLANNED ACTIVITIES

A set of groundwater samples will be collected from monitoring well MW1 during the second quarter, 1993. The samples will be analyzed at a DHS certified laboratory for TPH-G and BTEX. A second quarter, 1993 groundwater monitoring report will be submitted to the ACHCSA.

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Health Care Services Agency
April 8, 1993
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Please contact us if you have any questions or comments regarding the contents of this report.

Sincerely,

AQUA TERRA TECHNOLOGIES, INC.



Kimberly S. Lagomarsino
Project Scientist



Mark R. Lafferty, R.G.
Registered Geologist #4701
(Expires 6/30/94)



Terrance E. Carter
Senior Environmental Engineer
Project Manager

BB/MRL/TEC:pd

Attachments

cc: Jeff Thompson, Alameda Collision Repair



April 8, 1993

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

**Subject: Second Quarterly Report 1993
Groundwater Monitoring for Alameda Collision Repair
1911 Park Street, Alameda, California
(Project No. 929393)**

Aqua Terra Technologies
Consulting Engineers
& Scientists

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Suite 120
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Ms. Juliet Shin
Hazardous Materials Specialist
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April 8, 1993
Page 2

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PLANNED ACTIVITIES

A set of groundwater samples will be collected from monitoring well MW1 during the third quarter, 1993. The samples will be analyzed at a DHS certified laboratory for TPH-G and BTEX. A third quarter, 1993 groundwater monitoring report will be submitted to the ACHCSA.

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Health Care Services Agency
April 8, 1993
Page 3

Please contact us if you have any questions or comments regarding the contents of this report.

Sincerely,

AQUA TERRA TECHNOLOGIES, INC.



Benjamin Berman
Project Scientist



Mark R. Lafferty, R.G.
Registered Geologist #4701
(Expires 6/30/94)



Terrance E. Carter
Senior Environmental Engineer
Project Manager

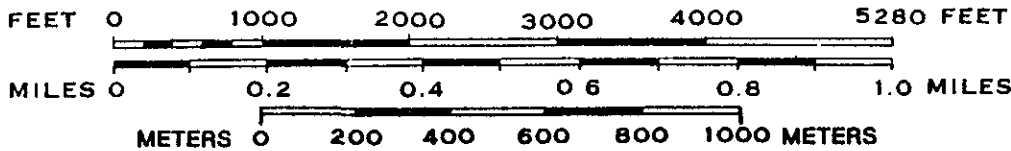
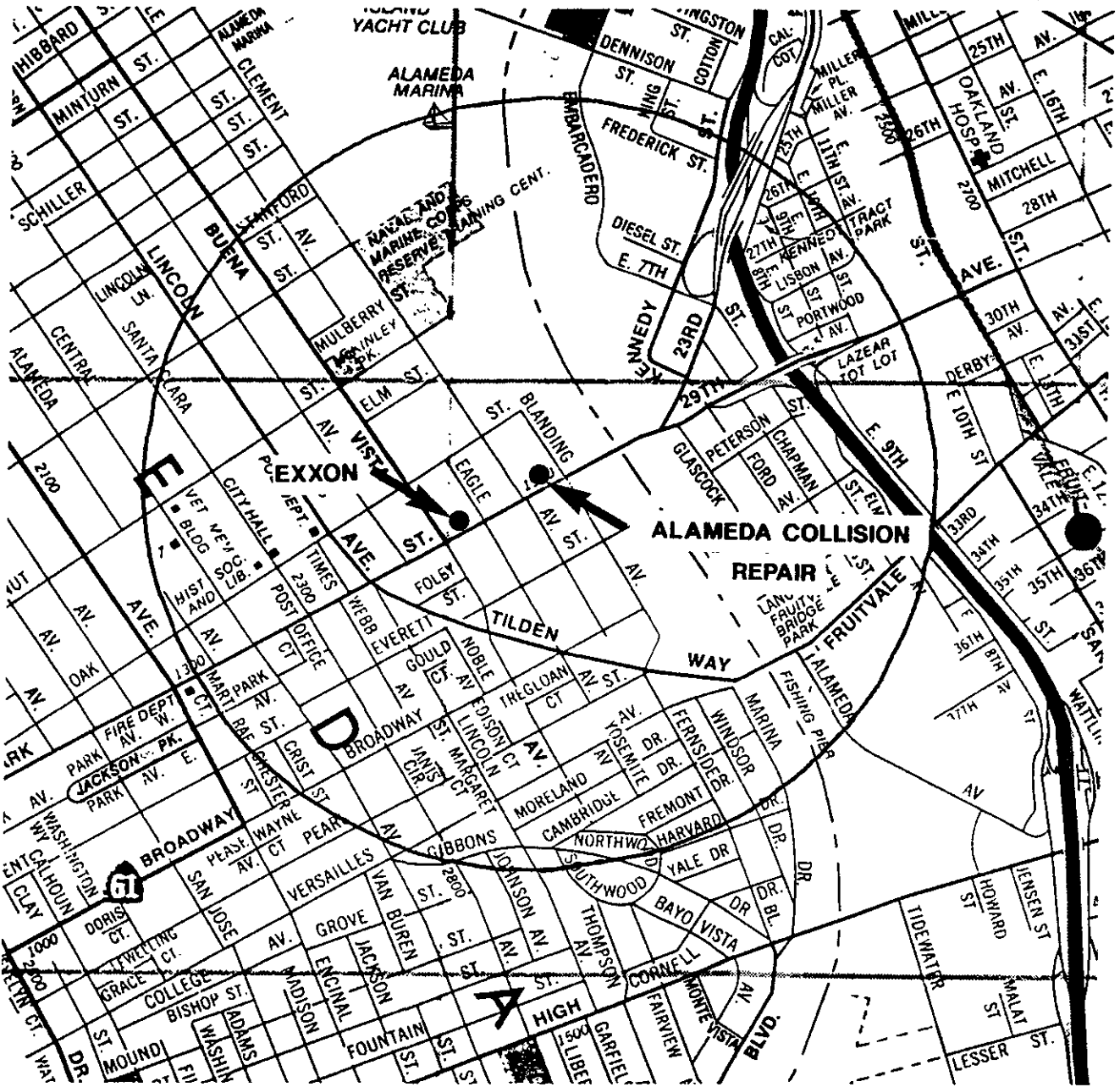
BB/MRL/TEC:pd

Attachments

cc: Jeff Thompson, Alameda Collision Repair

ATTACHMENT A

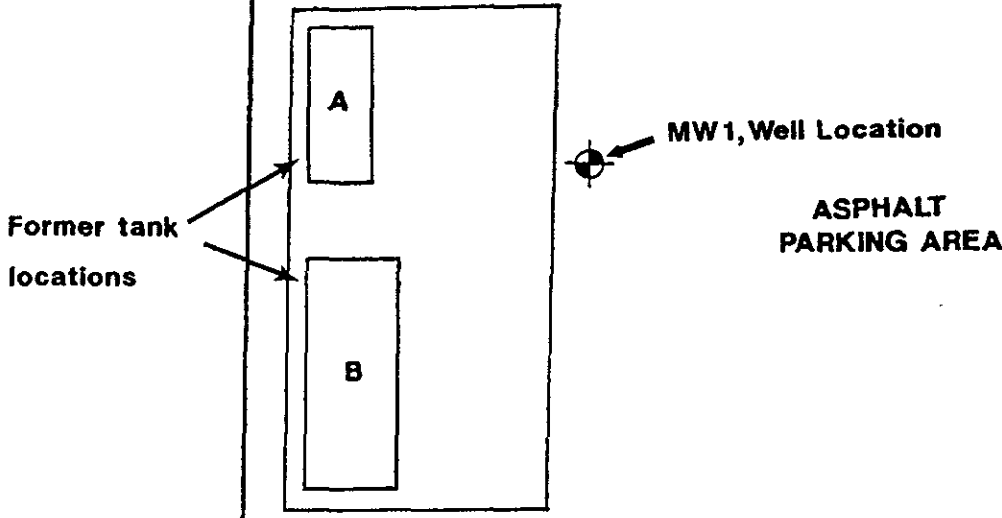
Plates



ALAMEDA COLLISION REPAIR
1911 PARK STREET
ALAMEDA

ALAMEDA COLLISION REPAIR		PLATE
JOB NUMBER 929393	DATE 10/92	1

ATT Aqua Terra Technologies
 Consulting Engineers
 & Scientists



**Monitoring Well & Former Tank Locations
1911 Park Street, Alameda, CA**

ALAMEDA COLLISION REPAIR		PLATE 2
JOB NUMBER 929393	DATE 1/93	

ATT Aqua Terra Technologies
Consulting Engineers
& Scientists

ATTACHMENT B

Sample Collection Record

SAMPLE COLLECTION RECORD - MONITOR WELL

ATT

Date: 3-30-93 Sample I.D.: MW1 Job No.: 929393

Site Location: ALAMEDA COLLECTION REPAIR

No. of Containers : 3 / (check one): Well Samples;

Duplicates from well _____; Travel Blanks;

Field Blanks; Other (explain) / _____

W.L. (1/100'): 3.35 Time : 12:05 B.O.W. (1/2'): 19.5

Method: Electric Well Sounder; Other / _____

Meters calibrated: Y / N Well Loc. Map: Y / N

Calculated Purge Volume (4 casing volumes): 41 gallons

Purging Method: Disposable Bailer; Teflon Bailer;

Other / _____

Time Start Purging (24 hr): 12:15, Product: Y / N
 Sheen: Y / N, Odor: Y / N, Vapor: _____ ppm / %LEL
 Turbidity: 3, Color: NONE

Time Stop Purging (24 hr): 12:50, Product: Y / N
 Sheen: Y / N, Odor: Y / N, Vapor: _____ ppm / %LEL
 Turbidity: 2680, Color: Brown

Time (24 hr)	Temp. (C)	pH	Cond. (uS)	H2O (Gal)	Turbid. (NTU)
<u>12:20</u>	<u>17°</u>	<u>6.61</u>	<u>0570</u>	<u>5</u>	<u>8</u>
<u>12:35</u>	<u>17°</u>	<u>6.58</u>	<u>0590</u>	<u>20</u>	<u>1230</u>
<u>12:50</u>	<u>17°</u>	<u>6.46</u>	<u>0590</u>	<u>41</u>	<u>2680</u>
<u>:</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>:</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>

Sample Collection Time (24 hr): 12:55

Notes: _____

Collected By (signature): *[Signature]*

ATTACHMENT C

**Laboratory Report
Chain-of-Custody**



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

April 01, 1993

PEL # 9304004

AQUA TERRA TECHNOLOGIES, INC.

Attn: Benjamin Berman
Re: One water sample for Gasoline/BTEX analysis.

Project number: 929393

Date sampled: Mar 30, 1993
Date extracted: Apr 01, 1993

Date submitted: Apr 01, 1993
Date analyzed: Apr 01, 1993

RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
MW-1	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	101.2%	102.0%	97.6%	103.7%	107.1%
Detection limit	50	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	602	602	602	602

David Duong
Laboratory Director

ATTACHMENT D

Table

Table 1. Summary of Laboratory Analytical Results
for Groundwater Samples Collected from Well MW1
1911 Park Street, Alameda, California

Sample/ Well I.D.	Sample Collection Date	Concentration (µg/L)					
		TPH-D ^a	TPH-G ^b	B ^c	T ^c	E ^c	X ^c
MW1	01/05/93	ND ^d	ND	ND	ND	ND	ND
MW1	03/30/93	NC ^e	ND	ND	ND	ND	ND

- a. TPH-D = total petroleum hydrocarbons as diesel
- b. TPH-G = total petroleum hydrocarbons as gasoline
- c. BTEX = benzene, toluene, ethylbenzene, total xylenes
- d. ND = not detected at or above the test method detection limit
- e. NC = sample not collected