

Existing Case



gettler — ryan inc.

general contractors

01

April 3, 1989

Mr. Kyle Christie
ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

ARCO
731 W. MacArthur Blvd,
Oakland

Reference: ARCO Service Station #4931
Quarterly Summary Report
Alameda County

Mr. Christie:

Attached is the Quarterly Summary Report for Alameda County prepared by Gettler-Ryan Inc. for ARCO Products Company. The attached report summarize activities at the site through the first quarter of 1989 (January 1, 1989 - March 30, 1989).

The quarterly technical report for the above referenced project will be issued by April 15, 1989.

Should you have any questions or comments regarding these projects please do not hesitate to call.

Sincerely,

John P. Werfal
Project Manager

JPW/ns

attachments

cc: Applied Geosystems

Depth to Gnd wtr	:	6'
Max Gnd wtr Conent	:	9999999
Priority	:	A3 A2
Case Type	:	G
Well status	:	IW
Status	:	N

SGH 4/24/89

**ARCO Service Station 4931
731 W. MacArthur Boulevard
Oakland**

3/30/89

BRIEF HISTORY

- A super unleaded product loss was reported to have occurred in November 1982. To our knowledge the quantity of product lost is unknown.
- A soil and groundwater investigation which involved the installation of four groundwater monitoring wells was conducted in December 1982.
- Four additional groundwater monitoring wells were installed by Groundwater Technology, Inc. (GTI) in March 1983.
- Emcon Associates issued a report dated June 18, 1986 discussing groundwater conditions at the site. Emcon Associates recommended the installation of four additional groundwater monitoring wells. (Refer to Emcon Associates' report dated June 18, 1986.)
- In December 1987, four groundwater monitoring wells were installed to further define the extent of the soil and groundwater contamination. (Refer to Pacific Environmental Group, Inc.'s report dated January 20, 1988.)
- The groundwater monitoring wells were inspected periodically for depth to water measurements and for the presence of separate phase product from December 1982 through October 1988.

WORK DONE THIS PERIOD

- The groundwater monitoring wells were sampled on March 21, 1989. A report presenting the current site conditions will be issued by April 15, 1989.

GROUNDWATER MONITORING

- Eleven groundwater monitoring wells are located at the site. Separate phase product is currently observed in groundwater monitoring well A-8. ~~Groundwater is encountered~~ at approximate depths of 6-9 feet below grade.

GROUNDWATER SAMPLING

- The groundwater monitoring wells were most recently sampled on March 21 1989. The results of this sampling event will be presented in the quarterly technical report to be issued prior to April 15, 1989. The historical analytical data is presented in Table 1.

**ARCO Service Station 4931
731 W. MacArthur Boulevard
Oakland**

3/30/89

PROPOSED ACTION

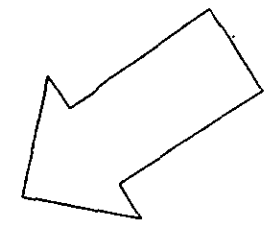
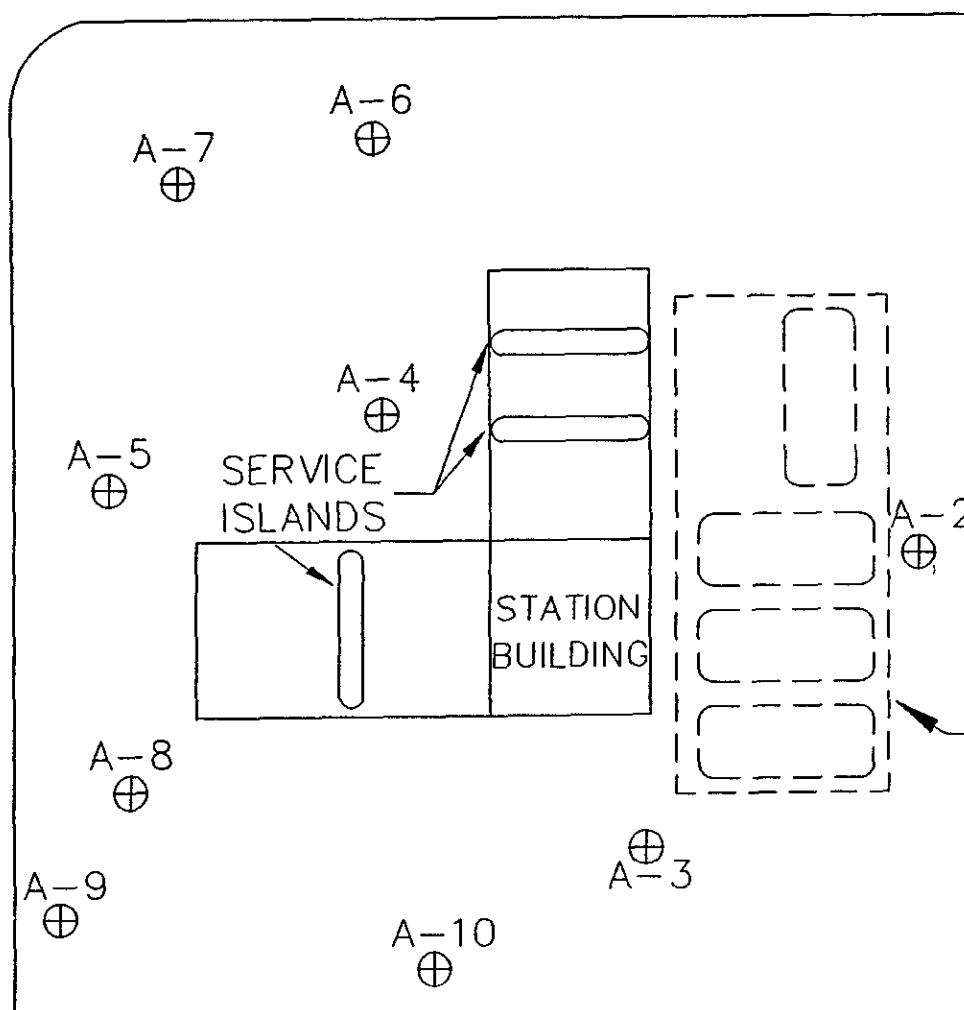
- Continue quarterly groundwater sampling and analysis.
- Additional work will be required at the site. Future scopes of work will be defined in a site work plan and implemented under that document.

DATE	SAMPLE POINT	TVHC (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
21-Mar-86	2	31000				
05-Jan-88	2	12000	920	1500		4000 *
21-Mar-86	3	1000				
05-Jan-88	3	250	2.3	8		21 *
21-Mar-86	4		SEPARATE PHASE PRODUCT			
05-Jan-88	4		SEPARATE PHASE PRODUCT			
21-Mar-86	5	88				
05-Jan-88	5	ND	0.5	1		4 *
21-Mar-86	6	ND				
05-Jan-88	6	390	54	89		110 *
21-Mar-86	7	ND				
05-Jan-88	7	ND	ND	1		4 *
21-Mar-86	8		SEPARATE PHASE PRODUCT			
05-Jan-88	8		SEPARATE PHASE PRODUCT			
05-Jan-88	9	300	45	14		43 *
05-Jan-88	10	ND	0.6	11		4 *
05-Jan-88	11	ND	1.1	2		5 *
05-Jan-88	12	ND	ND	2		ND *

* ETHYLBENZENE AND XYLENE COMBINED

MacArthur Boulevard

West Street

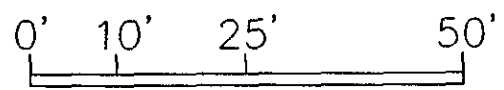


ESTIMATED
GROUNDWATER
FLOW DIRECTION

UNDERGROUND
STORAGE
TANK COMPLEX

LEGEND

⊕ GROUNDWATER MONITORING WELL
LOCATION & DESIGNATION



APR 14 1989

TJC

**Applied GeoSystems**

3315 Almaden Expressway, Suite 34, San Jose, CA 95118 (408) 264-7723

QUALITY CONTROL BOARD

• FREMONT • IRVINE • HOUSTON • BOSTON • SACRAMENTO • CULVER CITY • SAN JOSE

April 15, 1989
0415srit

Mr. Steven R. Ritchie
California Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street, Room 6040
Oakland, California 94607

Subject: Quarterly Summary Reports for various ARCO Service Stations located in Alameda County, California.

Mr. Ritchie:

Enclosed are the Quarterly Summary Reports for various ARCO Service Stations in Alameda County, California, as listed below. We are sending you these reports on behalf of Mr. Kyle Christie of ARCO Products Company.

1260 Park Street	Alameda	Service Station No. 2112
1001 San Pablo Avenue	Albany	Service Station No. 2035
3000 Shattuck Avenue	Berkeley	Service Station No. 414
22141 Center Street	Castro Valley	Service Station No. 2152
2770 Castro Valley Road	Castro Valley	Service Station No. 4977
40055 Blacow Road	Fremont	Service Station No. 2147
35900 Fremont Boulevard	Fremont	Service Station No. 2158
40077 Mission Boulevard	Fremont	Service Station No. 6201
43500 Grimmer Boulevard	Fremont	Service Station No. 6206
365 Jackson Street	Hayward	Service Station No. 1319
899 Rincon Avenue	Livermore	Service Station No. 771
10600 MacArthur Blvd.	Oakland	Service Station No. 276
6407 Telegraph Avenue	Oakland	Service Station No. 374
52nd Street	Oakland	Service Station No. 6148
3310 Park Boulevard	Oakland	Service Station No. 2107
889 West Grand Avenue	Oakland	Service Station No. 2169
731 W. MacArthur Blvd.	Oakland	Service Station No. 4931
15135 Hesperian Blvd.	San Leandro	Service Station No. 2162
17601 Hesperian Blvd.	San Lorenzo	Service Station No. 608

Quarterly Summary Reports
Alameda County, California

April 15, 1989
AGS 19011-1

ARCO Products Company has no records for the following service stations:


Mountain/Merced
556 Hegenberger Road
1401 Grand Avenue

Oakland
Oakland
San Leandro

Service Station No. 623
Service Station No. 4494
Service Station No. 530

We understand that ARCO does not own the service station located at 4191 First Street in Pleasanton, California. Please call me at (408) 264-7723 if you have questions regarding the summary reports.

Sincerely,
Applied GeoSystems


Greg Barclay
Project Branch
Manager



Pacific Environmental Group, Inc.
1601 Civic Center Drive
Suite 202
Santa Clara, CA 95050

January 19, 1988

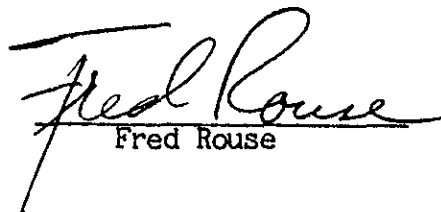
ATTN: John Adams

Following are the results of analyses on the samples described below.

Project Number: 130-12.03
Lab Numbers: S8-01-044-01 thru S8-01-044-10
Number of Samples: 10
Sample Type: Water
Date Received: 1/7/88
Analyses Requested: Low Boiling Hydrocarbons

The method of analysis for low boiling hydrocarbons is taken from EPA Methods 8015, 8020 and 5030. The sample is examined using the purge and trap technique. Final detection is by gas chromatography using a flame ionization detector as well as a photoionization detector.

The result for total low boiling hydrocarbons is calculated as gasoline and includes benzene, toluene, ethyl benzene and xylenes.


Fred Rouse

FR/gg

1 Page Following - Table of Results

IT/Santa Clara to
Pacific Environmental Group, Inc.
ATTN: John Adams

January 19, 1988
Page 1 of 1

Summary of Results

Project Number: 130-12.03

ND = None Detected

Micrograms per Liter

Lab Number	Sample Identification	Micrograms per Liter			
		Low Boiling Hydrocarbons (Gasoline)	Benzene	Toluene	Ethyl benzene and xylenes
S8-01-044-01	A-2	12,000.	920.	1,500.	4,000.
S8-01-044-02	A-3	250.	2.3	8.	21.
S8-01-044-03	A-5	ND	0.5	1.	4.
S8-01-044-04	A-6	390.	54.	89.	110.
S8-01-044-05	A-7	ND	ND	1.	4.
S8-01-044-06	A-9	300.	45.	14.	43.
S8-01-044-07	A-10	ND	0.6	11.	4.
S8-01-044-08	A-11	ND	1.1	2.	5.
S8-01-044-09	A-12	ND	ND	2.	ND
S8-01-044-10	Trip Blank	ND	ND	ND	ND
Detection Limit		50.	0.5	1.	4.