Atlantic Richfield Company
(a BP affiliated company)

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Alameda County
MAR 23 2006
Environmental Health

March 22, 2006

Re: ARCO Service Station # 2035
1001 San Pablo Avenue
Albany, California
First Quarter 2006 Groundwater Monitoring Report
ACEH Case # RO0000100

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple
Environmental Business Manager

2006 MAR 22 AM 9:36

URS

March 22, 2006

Mr. Don Hwang
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Alameda County
MAR 23 2006
Environmental Health

Re: First Quarter 2006 Status Report
ARCO Service Station #2035
1001 San Pablo Avenue
Albany, California
ACEH Case No. RO0000100

Dear Mr. Hwang:

On behalf of Atlantic Richfield Company (RM), a BP affiliated Company, URS Corporation (URS) is submitting the First Quarter 2006 Status Report for the ARCO Service Station #2035, located at 1001 San Pablo Avenue, Albany, California.

URS submitted a remediation treatment modification letter to ACEH on July 15, 2004 proposing to shut down the treatment system permanently and treat groundwater by natural attenuation, and is currently awaiting the agency's approval.

If you have any questions regarding this submission, please call (510) 874-3019.

Sincerely,

URS CORPORATION

Donna Cosper, E.I.T.
Project Manager

Enclosure: First Quarter 2006 Status Report
Table 1 – Monthly Depth To Water Data for Remediation System Wells

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS
Muriel & Emile Turpin, Trustees, 2 La Canada Ct., Saint Helena CA 94574-1250
Mr. Robert Cave, BAAQMD-Permit Division, 939 Ellis Street, San Francisco, CA 94109
Barbara & James A. Lestrange, Property Owners, 6 La Canada Court, St. Helena, CA 94575
Mr. Rob Miller, Broadbent & Associates, electronic copy uploaded to ENFOS

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510.874.3268

URS

Date: March 22, 2006
Quarter: 1Q 06

FIRST QUARTER 2006 QUARTERLY STATUS REPORT

Facility No.:	2035	Address:	1001 San Pablo Avenue, Albany, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38487591
Primary Agency:			Alameda County Environmental Health Care (ACEH)
ACEH Case #:			RO0000100

WORK PERFORMED THIS QUARTER (First – 2006):

1. Prepared and submitted the Fourth Quarter 2005 Groundwater Monitoring Report.
2. Prepared and submitted this First Quarter 2006 Status Report.

WORK PROPOSED FOR NEXT QUARTER (Second– 2006):

1. Perform the first semi-annual 2006 groundwater monitoring event.
2. Prepare and submit the First Semi-Annual 2006 Groundwater Monitoring Report.

SITE SUMMARY

Current Phase of Project:	Remediation/GW monitoring/sampling
Frequency of Groundwater Sampling:	Annually (4th quarter): MW-5 and MW-6 Semi-Annually (2nd /4th quarter): MW-1 through MW-4, RW-1, and S-5
Frequency of Groundwater Monitoring:	Semi-annual
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Air Sparge (AS)/SVE
Approximate Depth to Groundwater:	9.28 (MW-1) to 12.68 (MW-6) feet
Groundwater Gradient (direction):	West (2nd quarter 2005)
Groundwater Gradient (magnitude):	0.02 feet per foot (2nd quarter 2005)
Equipment Inventory:	Therm Tech Model VAC-10 Thermal/Catalytic Oxidizer
Operating Mode:	Catalytic Oxidation
BAAQMD Permit #:	8694
TPH Conc. End of Period (lab):	NA (System shut down temporarily)
Benzene Conc. End of Period (lab):	NA (System shut down temporarily)
SVE Flowrate End of Period:	74 scfm
Total HC Destroyed This Period:	0.0 pounds NA (System shut down temporarily)
Total HC Destroyed to Date:	3,967 pounds
Utility Usage This Period	
Electric (kWh):	0
Gas (cu/ft):	0

URS

SITE SUMMARY (cont.)

Operating Hours This Period (SVE):	0
Operating Hours to Date (SVE):	23,392 Hours
Percent Operational This Period (SVE):	0%
Unit Maintenance:	Currently optimizing SVE system performance
Number of Auto Shut Downs:	NA (System shut down temporarily)
Destruction Efficiency Permit Requirement:	98.5% (POC >2,000 ppmv); 97% (POC >200 ppmv); 90% (POC <200 ppmv)
Percent TPH Conversion:	NA (System shut down temporarily)
Average Stack Temperature:	652° F
Average SVE Source Flow:	52 scfm
Average SVE Process Flow:	78 scfm
Average Source Vacuum:	20 in of H_2O

DISCUSSION:

The SVE system has remained shut down since the fourth quarter, 2004, due to elevated water levels observed at the Site. Monthly depth to water monitoring indicated that a majority of the well screens remained partly submerged under water. The monthly depth to water monitoring was discontinued after the February 2005 event. The semiannual monitoring event that was held on November 16, 2006 indicated that the screen in well RW-1 remained completely submerged (see attached Table 1). URS submitted a remediation treatment modification letter to ACEH on July 15, 2004 proposing to shut down the treatment system permanently and treat groundwater by natural attenuation, and is currently awaiting the agency's approval.

Table 1
Monthly Depth To Water Data for Remediation System Wells
ARCO Service Station #2035
1001 San Pablo Avenue, Albany, CA

Well Number	Date Sampled	Well Size (in)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Screen Length (feet)	Feet of Exposed Screen	Depth to Water (feet, TOC)	Depth to Well Bottom (feet)
VW-1	10/07/2004	4	5	17	12	5.27	10.27	15.65
	11/04/2004	4	5	17	12	4.65	9.65	15.73
	12/07/2004	4	5	17	12	4.62	9.62	15.76
	01/06/2005	4	5	17	12	0.94	5.94	15.70
	02/04/2005	4	5	17	12	3.12	8.12	15.75
VW-2	10/07/2004	4	5	17	12	5.50	10.50	15.30
	11/04/2004	4	5	17	12	4.89	9.89	15.26
	12/07/2004	4	5	17	12	4.94	9.94	15.32
	01/06/2005	4	5	17	12	0.10	5.10	15.20
	02/04/2005	4	5	17	12	3.69	8.69	15.34
VW-3	10/07/2004	4	5	10	5	1.95	DRY	6.95
	11/04/2004	4	5	10	5	1.47	6.47	6.93
	12/07/2004	4	5	10	5	0.85	5.85	6.93
	01/06/2005	4	5	10	5	0.00	2.70	6.95
	02/04/2005	4	5	10	5	0.73	5.73	7.01
VW-4	10/07/2004	4	5	15	10	4.65	9.65	15.70
	11/04/2004	4	5	15	10	3.55	8.55	15.65
	12/07/2004	4	5	15	10	3.74	8.74	15.71
	01/06/2005	4	5	15	10	0.00	4.40	15.70
	02/04/2005	4	5	15	10	1.94	6.94	15.68
VW-5	10/07/2004	4	4	15	11	2.67	6.67	14.00
	11/04/2004	4	4	15	11	0.00	2.54	13.91
	12/07/2004	4	4	15	11	0.00	2.52	13.97
	01/06/2005	4	4	15	11	0.00	2.29	13.95
	02/04/2005	4	4	15	11	0.00	2.60	13.98
VW-6	10/07/2004	4	5	12	7	3.18	8.18	12.15
	11/04/2004	4	5	12	7	3.42	8.42	12.10
	12/07/2004	4	5	12	7	3.27	8.27	12.11
	01/06/2005	4	5	12	7	0.50	5.50	12.09
	02/04/2005	4	5	12	7	0.00	4.68	12.10
VW-7	10/07/2004	4	6	15	9	4.01	10.01	14.52
	11/04/2004	4	6	15	9	3.02	9.02	14.55
	12/07/2004	4	6	15	9	2.66	8.66	14.60
	01/06/2005	4	6	15	9	0.00	5.60	14.55
	02/04/2005	4	6	15	9	0.73	6.73	14.61
VW-8	10/07/2004	4	6	15	9	3.42	9.42	14.20
	11/04/2004	4	6	15	9	2.60	8.60	14.18
	12/07/2004	4	6	15	9	2.51	8.51	14.25
	01/06/2005	4	6	15	9	0.00	4.17	14.20
	02/04/2005	4	6	15	9	0.24	6.24	14.14
VW-9	10/07/2004	4	6	15	9	4.42	10.42	14.10
	11/04/2004	4	6	15	9	3.78	9.78	14.19
	12/07/2004	4	6	15	9	1.89	7.89	14.14
	01/06/2005	4	6	15	9	0.00	5.90	14.08
	02/04/2005	4	6	15	9	0.21	6.21	14.12

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ARCO Service Station #2035
1001 San Pablo Avenue, Albany, CA

Well Number	Date Sampled	Well Size (in)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Screen Length (feet)	Feet of Exposed Screen	Depth to Water (feet, TOC)	Depth to Well Bottom (feet)
RW-1	10/07/2004	6	11	26	15	0.00	10.36	25.40
	11/04/2004	6	11	26	15	0.00	9.93	25.48
	12/07/2004	6	11	26	15	0.00	9.78	25.53
	01/06/2005	6	11	26	15	0.00	8.00	25.45
	02/04/2005	6	11	26	15	0.00	8.96	25.45
	11/16/2005	**6**	**11**	**26**	**15**	**0.00**	**10.96**	**25.36**
AS-1 (a)	10/07/2004	2	5	14	10	2.48	DRY	7.48
	11/04/2004	2	5	14	10	2.48	DRY	7.48
	12/07/2004	2	5	14	10	2.50	DRY	7.50
	01/06/2005	2	5	14	10	0.40	5.40	7.75
	02/04/2005	2	5	14	10	1.69	6.69	7.84
AS-2 (a)	10/07/2004	2	5	14	10	0.35	DRY	5.35
	11/04/2004	2	5	14	10	0.49	DRY	5.49
	12/07/2004	2	5	14	10	0.43	DRY	5.43
	01/06/2005	2	5	14	10	0.15	5.15	5.52
	02/04/2005	2	5	14	10	0.47	DRY	5.47
AS-1 (b)	10/07/2004	2	29	31	2	0.00	10.71	30.42
	11/04/2004	2	29	31	2	0.00	10.21	30.38
	12/07/2004	2	29	31	2	0.00	10.11	30.42
	01/06/2005	2	29	31	2	0.00	8.35	30.40
	02/04/2005	2	29	31	2	0.00	9.05	30.36
AS-2 (b)	10/07/2004	2	29	31	2	0.00	10.63	31.28
	11/04/2004	2	29	31	2	0.00	10.45	31.28
	12/07/2004	2	29	31	2	0.00	10.12	31.34
	01/06/2005	2	29	31	2	0.00	8.18	31.30
	02/04/2005	2	29	31	2	0.00	9.27	31.20