



March 4, 2005

Mr. Robert Schultz  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Alameda County  
MAR 9 2005  
Environmental Health

**Re: First Quarter 2005 Status Report  
ARCO Service Station #2035  
1001 San Pablo Avenue  
Albany, California  
URS Project #38487020**

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company (RM), a BP affiliated Company, URS Corporation (URS) is submitting the *First Quarter 2005 Status Report* for the ARCO Service Station #2035, located at 1001 San Pablo Avenue, Albany, California.

If you have any questions regarding this submission, please call at (510) 874-3280.

Sincerely,

**URS CORPORATION**

Scott Robinson  
Project Manager

Enclosure: First Quarter 2005 Status Report  
Table 4 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. Lestrage, Property Owners, 6 La Canada Court, St. Helena, CA 94575

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



Alameda County  
 MAR 29 2005  
 Environmental Health Care

Date: March 4, 2005  
 Quarter: 1Q 05

**RM 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.: 38487020  
 Primary Agency: Alameda County Environmental Health Care (ACEH)

**WORK PERFORMED THIS QUARTER (First- 2005):**

1. Prepare and submit this first quarter 2005 status report.
2. System is currently not operating.
3. Request response to July 15, 2004 request for permission from ACEH to shut down the SVE system due to low to non-detect influent concentrations.
4. Monthly groundwater gauging of remediation system wells took place in January and February (Table 4). This activity will no longer take place.

**WORK PROPOSED FOR NEXT QUARTER (Second - 2005):**

1. Perform first semi-annual 2005 groundwater monitoring event.
2. Prepare first Semi-Annual 2005 Groundwater Monitoring Report.

**SITE SUMMARY**

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



**SITE SUMMARY (cont.)**

Utility Usage This Period

Electric (kWh):

0

Gas (cu/ft):

0

Operating Hours This Period (SVE):

0

Operating Hours to Date (SVE):

23392 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<sub>2</sub>O

**Table 4**  
**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)	Total Screen (ft)	Feet of Exposed Screen	Depth to Water (feet, TOC)	Depth to Well Bottom (feet)
<b>VW-1</b>	10/7/2004	4	5	17	12	5.27	10.27	15.65
	11/4/2004	4	5	17	12	4.65	9.65	15.73
	12/7/2004	4	5	17	12	4.62	9.62	15.76
	1/6/2005	4	5	17	12	0.94	5.94	15.70
	2/4/2005	4	5	17	12	3.12	8.12	15.75
<b>VW-2</b>	10/7/2004	4	5	17	12	5.50	10.50	15.30
	11/4/2004	4	5	17	12	4.89	9.89	15.26
	12/7/2004	4	5	17	12	4.94	9.94	15.32
	1/6/2005	4	5	17	12	0.10	5.10	15.20
	2/4/2005	4	5	17	12	3.69	8.69	15.34
<b>VW-3</b>	10/7/2004	4	4.5	9.5	5	5.00	DRY	6.95
	11/4/2004	4	4.5	9.5	5	1.97	6.47	6.93
	12/7/2004	4	4.5	9.5	5	1.35	5.85	6.93
	1/6/2005	4	4.5	9.5	5	0.00	2.70	6.95
	2/4/2005	4	4.5	9.5	5	1.23	5.73	7.01
<b>VW-4</b>	10/7/2004	4	5	17	12	4.65	9.65	15.70
	11/4/2004	4	5	17	12	3.55	8.55	15.65
	12/7/2004	4	5	17	12	3.74	8.74	15.71
	1/6/2005	4	5	17	12	0.00	4.40	15.70
	2/4/2005	4	5	17	12	1.94	6.94	15.68
<b>VW-5</b>	10/7/2004	4	4.5	14.5	10	2.17	6.67	14.00
	11/4/2004	4	4.5	14.5	10	0.00	2.54	13.91
	12/7/2004	4	4.5	14.5	10	0.00	2.52	13.97
	1/6/2005	4	4.5	14.5	10	0.00	2.29	13.95
	2/4/2005	4	4.5	14.5	10	0.00	2.60	13.98
<b>VW-6</b>	10/7/2004	4	5	12.5	7.5	3.18	8.18	12.15
	11/4/2004	4	5	12.5	7.5	3.42	8.42	12.10
	12/7/2004	4	5	12.5	7.5	3.27	8.27	12.11
	1/6/2005	4	5	12.5	7.5	0.50	5.50	12.09
	2/4/2005	4	5	12.5	7.5	0.00	4.68	12.10
<b>VW-7</b>	10/7/2004	4	6	15	9	4.01	10.01	14.52
	11/4/2004	4	6	15	9	3.02	9.02	14.55
	12/7/2004	4	6	15	9	2.66	8.66	14.60
	1/6/2005	4	6	15	9	0.00	5.60	14.55
	2/4/2005	4	6	15	9	0.73	6.73	14.61
<b>VW-8</b>	10/7/2004	4	6	15	9	3.42	9.42	14.20
	11/4/2004	4	6	15	9	2.60	8.60	14.18
	12/7/2004	4	6	15	9	2.51	8.51	14.25
	1/6/2005	4	6	15	9	0.00	4.17	14.20
	2/4/2005	4	6	15	9	0.24	6.24	14.14
<b>VW-9</b>	10/7/2004	4	6	15	9	4.42	10.42	14.10
	11/4/2004	4	6	15	9	3.78	9.78	14.19
	12/7/2004	4	6	15	9	1.89	7.89	14.14
	1/6/2005	4	6	15	9	0.00	5.90	14.08
	2/4/2005	4	6	15	9	0.21	6.21	14.12
<b>RW-1</b>	10/7/2004	6	11	26	15	0.00	10.36	25.40
	11/4/2004	6	11	26	15	0.00	9.93	25.48
	12/7/2004	6	11	26	15	0.00	9.78	25.53
	1/6/2005	6	11	26	15	0.00	8.00	25.45
	2/4/2005	6	11	26	15	0.00	8.96	25.45