RO 426

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La Palma, CA 90623-106
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December 14, 2005

Re: Fourth Quarter 2005 Status Report
Former BP Service Station #11109
4280 Foothill Boulevard
Oakland, California

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

I declare that, to the best
recommendations contai

Submitted by:

Kyle Christie
Environmental Business Manager

Submitted by:

Kyle Christie
Environmental Business

URS

December 15, 2005

Ms. Donna Drogoa
Alameda County Health Care Services Agency,
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: Fourth Quarter 2005 Status Report
Former BP Service Station # 11109
4280 Foothill Boulevard
Oakland, California

Dear Ms. Drogos:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Fourth Quarter 2005 Status Report* for the Former BP Service Station #11109, located at 4280 Foothill Boulevard, Oakland, California.

If you have any questions regarding this submission, please call me at (510) 874-1758.

Sincerely,

URS CORPORATION

Lynelle Onishi
Project Manager

Enclosure: Fourth Quarter 2005 Status Report

cc: Mr. Kyle Christie, Atlantic Richfield Company (RM), (electronic copy uploaded to ENFOS)
Ms. Shelby Lathrop, ConocoPhillips, (electronic copy uploaded to FTP server)
Mr. Chris Jimmerson, Delta Environmental Consultants, (electronic copy uploaded to ENFOS)

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

Date: December 15, 2005

Quarter: 4Q 05

BP GEM QUARTERLY STATUS REPORT

Former Facility No.:	11109	Address:	4280 Foothill Boulevard, Oakland, CA
RM Environmental Engineer:			Kyle Christie
Consulting Co./Contact Person:			URS Corporation / Lynelle Onishi
Consultant Project No.:			38486803
Primary Agency:			Alameda County Environmental Health

WORK PERFORMED THIS QUARTER (Fourth – 2005):

1. Prepared and submitted Second Semi-Annual 2005 Groundwater Monitoring Report.
2. Performed monthly free product gauging and bailing of well MW-5.
3. Prepared and submitted this Fourth Quarter 2005 Status Report.

WORK PROPOSED FOR NEXT QUARTER (First– 2006):

1. Perform monthly free product gauging and bailing of well MW-5.
2. Perform third quarter 2005 groundwater monitoring event.
3. Prepare and submit the First Semi-Annual 2006 Groundwater Monitoring Report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-3, MW-6, MW-8 and MW-9 annual (March); Wells MW-2, MW-4, MW-5 and MW-7 semi-annually (September)
Frequency of Groundwater Monitoring:	Semi-annually (1st and 3rd Quarters)
Current Remediation Techniques:	Monthly Free Product (FP) bailing in MW-5
FP Removed This Period:	0.270 gallons
Cumulative FP Removed:	1.506 gallons (8/25/99 – present)

DISCUSSION:

Monthly gauging and bailing of free product in well MW-5 was performed this quarter. A total of 0.270 gallons of free product were bailed from well MW-5 during the fourth quarter 2005 (Table 1). The most recent analytical data can be referenced in the Secon Semi-Annual 2005 Groundwater Monitoring Report.

ATTACHMENTS:

- Table 1– Free Product Removal
- Attachment A– Field Procedures and Field Data Sheets

Table 1
Free Product Removal

Former BP Service Station #11109
4280 Foothill Boulevard,
Oakland, CA

WELL ID	DATE OF MONITORING EVENT	DEPTH TO WATER (feet)	PRODUCT THICKNESS (feet)	PRODUCT REMOVED (gallons)	CUMULATIVE PRODUCT REMOVED (gallons)
MW-5	8/25/1999	---	---	0.070	0.070
MW-5	3/9/2000	---	---	0.400	0.470
MW-5	7/14/2003	12.72	0.03	0.019	0.489
MW-5	8/25/2003	14.04	0.00	0.000	0.489
MW-5	9/25/2003	14.38	0.08	0.052	0.542
MW-5	10/3/2003	12.15	0.06	0.040	0.582
MW-5	11/12/2003	12.74	0.19	0.120	0.702
MW-5	12/9/2003	11.44	0.03	0.040	0.742
MW-5	2/2/2004	6.47	0.04	0.030	0.772
MW-5	2/9/2004	10.61	0.04	0.030	0.802
MW-5	3/9/2004	7.91	---	---	0.800
MW-5	4/13/2004	9.68	0.28	0.200	0.820
MW-5	5/5/2004	11.93	Sheen	---	0.820
MW-5	6/3/2004	12.60	Sheen	---	0.820
MW-5	7/2/2004	11.11	0.10	0.060	0.880
MW-5	8/31/2004	12.80	0.05	0.132	1.012
MW-5	9/17/2004	12.13	0.15	---	1.012
MW-5	10/25/2004	10.66	0.26	0.170	1.182
MW-5	11/8/2004	9.98	0.02	0.020	1.202
MW-5	12/15/2004	8.76	0.01	0.010	1.212
MW-5	1/13/2005	7.12	---	---	1.212
MW-5	2/1/2005	8.10	0.01	0.007	1.219
MW-5	3/7/2005	8.62	0.02	0.013	1.232
MW-5	4/29/2005	9.39	--	--	1.232
MW-5	5/12/2005	7.51	0.01	0.007	1.239
MW-5	6/23/2005	7.70	--	--	1.239
MW-5	7/2/2005	10.81	--	--	1.239
MW-5	8/24/2005	10.53	--	--	1.239
MW-5	9/6/2005	11.16	0.18	0.119	1.358
MW-5	**10/19/2005**	**11.90**	**0.13**	**0.085**	**1.443**
MW-5	**11/18/2005**	**11.88**	**0.10**	**0.063**	**1.506**
MW-5	**12/12/2005**	**11.40**	**0.04**	**0.0003**	**1.506**
			FP Removed this Quarter:		**0.270**

Source : The data within this table collected prior to July 2003 was provided to URS by RM and their previous consultants.
URS has not verified the accuracy of this information.

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 051019-DW-4 Date 10-19-05 Client Arco 11109

Site 4280 Foothill Blvd Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-5	4		11.77	.13	320	11.90	—	TOC	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051019-DW-4	Station # 11109
Sampler: DW	Date: 10-19-05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: —	Depth to Water: 11.90
Depth to Free Product: 11.77	Thickness of Free Product (feet): .13
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method:
- Bailer
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- Disposable Bailer
- Extraction Port
- Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____ (1 Case Volume (Gals.)) x check SPH (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		Bailed 320 ml		SPH	

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Pace Sequoia Other ___	
Analyzed for: GRO BTEX MTBE DRO		Other:	
D.O. (if req'd):	Pre-purge:	mg/L Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV Post-purge:	mV

WELL GAUGING DATA

Project # 051118-MJ3 Date 11/18/05 Client ARCO BP 11109

Site 4280 Foothill Blvd., Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-5	4		11.78	.10	240ml	11.88	—	TOC	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051118-MD3	Station # 1109
Sampler: MD	Date: 11/18/05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth:	Depth to Water: 11.88
Depth to Free Product: 11.78	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____ (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	Bailed ~240 ml @ 5 pH				

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Pace Sequoia Other_____

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL GAUGING DATA

Project # 051212-DW-3 Date 12-12-05 Client Arco 11109

Site 4280 Foothill Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-5	4		11.36	.04	98	11.40	—	TOC	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051212-DW-3	Station # 11109
Sampler: DW	Date: 12-12-05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method:
- Bailer
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- Disposable Bailer
- Extraction Port
- Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____ (1 Case Volume (Gals.)) X check SPH (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		Bailed ≈ 98 ml		SPH	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Pace Sequoia Other _____

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other:

D.O. (if req'd): Pre-purge: ____ mg/L Post-purge: ____ mg/L

O.R.P. (if req'd): Pre-purge: ____ mV Post-purge: ____ mV