

October 15, 2003

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Mr. Amir Gholami Alameda County Department of Environmental Health 1131 Harbor Bay Parkway, Room 250 Alameda, CA 94502

Re:

Third Quarter 2003 Status Report Former BP Service Station # 11109 4280 Foothill Boulevard Oakland, California URS Project # 38486456 Alameda County

Environmental Health

Dear Mr. Gholami:

On behalf of BP (an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Third Quarter 2003 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) 874-1720.

Sincerely,

URS CORPORATION

Leonard P. Niles, R.G./C.H.G.

Senior Geologist

Enclosure:

Third Quarter 2003 Statu

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)

Ms. Liz Sewell, ConocoPhillips, 76 Broadway, Sacramento, CA 95818

Date: October 15, 2003

Quarter: 3Q 03

#### **BP GEM QUARTERLY STATUS REPORT**

Former Facility No.:	11109	Address:	4280 Foothill Boulevard, Oakland, CA	
BP Environmental Engi	neer:		Paul Supple	
Consulting Co./Contact	Person:		URS Corporation / Leonard P. Niles	
Consultant Project No.:			38486456	
Primary Agency:			Alameda County Department of Environmental Health	

#### WORK PERFORMED THIS QUARTER

(Third - 2003):

- 1. Prepared and submitted second quarter 2003 status report.
- 2. Performed monthly free product gauging and bailing of well MW-5.

#### WORK PROPOSED FOR NEXT QUARTER (Fourth- 2003):

- 1. Prepare and submit third quarter 2003 status report.
- 2. Perform monthly free product gauging and bailing of well MW-5.
- 3. Perform quarterly groundwater sampling of onsite wells MW-2, MW-3, MW-4, MW-6, MW-7, and (if no free product is present or is bailed down) MW-5.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-3 and MW-5 annual (March)
Frequency of Groundwater Monitoring:	Annually
Current Remediation Techniques:	Monthly Free Product (FP) bailing in MW-5
FP Removed This Period:	0.07 gallons
Cummulative FP Removed:	0.54 gallons (8/25/99 – present)

#### **DISCUSSION:**

Monthly gauging and bailing of free product in well MW-5 began this quarter. A total of 0.07 gallons of free product were bailed from well MW-5 during the third quarter 2003 (Table 1). The most recent analytical data can be referenced in the first quarter 2003 groundwater monitoring report. Only well MW-3 has consistently been sampled annually. Due to the presence of free product, well MW-5 has not been sampled since March 2002. The other onsite wells have not been sampled since December 1996. Because of the lack of current data regarding the distribution of dissolved-phase hydrocarbons at the site, URS recommends conducting a one-time groundwater sampling event of all onsite wells during the Fourth Quarter 2003. URS also recommends increasing the groundwater sampling frequency of wells MW-3 and MW-5 to quarterly.

### ATTACHMENTS:

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

#### TABLE 1

#### Free Product Removal

Former BP Service Station No. 11109 4280 Foothill Boulevard, Oakland, CA

WELL ID	DATE OF MONITORING	Depth to Water (Feet)	PRODUCT THICKNESS (Feet)	PRODUCT REMOVED (Gallons)	PRODUCT REMOVED CUMULATIVE (Gallons)
MW-5	8/25/1999			0.07	0.07
MW-5	3/9/2000	_		0.40	0.47
MW-5	7/14/2003	12.72	0.03	0.02	0.49
MW-5	8/25/2003	14.04	0.00	0.00	0.49
MW-5	9/25/2003	14.38	0.08	0.05	0.54

Source: The data within this table collected prior to July 2003 was provided to URS by Group Environmental Management Company 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<sup>TM</sup> 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 GALIGING DATA

Project# 230	714-554 Date 7/14/c	Client BP 11	109
Site 4780 -	FOOTHILL BUD. ONCLE	400	

Well ID	Well Size (in.)	Sheen / Odor	Depth to 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	Stean	12.75	0.03	73.8	12.72		780	
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4.									

## ARCO / BP WELL MONITORING DATA SHEET

BTS#:	030714	-554		Station #	11(09	
Sampler:	5060	,		Date: 7/19	(03	
Well I.D.:	MU	5		Well Diameter	: 2 3 (4) 6	8
Total Wel	l Depth:			Depth to Water	r: 12.72	
Depth to I	Free Produ	ct:		Thickness of F	ree Product (feet):	
Reference	d to:	(PVC)	) Grade	D.O. Meter (if	req'd): YS1	НАСН
Purge Metho	Œ Ele	Bailer isposable Bail Middleburg etric Submers	0.04 0.16 0.37 er	4" 0.6 6" 1.4	Bailer Disposable Bailer Extraction Port	
Top of Scree	Other <del>l</del>		PVC FALLER  If well is listed as a of screen. Otherwi	se, the well must be	Gals.	he top
	I Case Vol	ume (Gals.)	Specified Vo	olumes Cal	culated Volume	
Time	Temp (°F)	рН	Conductivity (mS or μS)	Gals, Removed	Observations	
710 NO	T HAVE	INDERP	HASE 700BG 1	WALLABLE.	propped disp. 1	3A.ce2-
אר אז	U 70 0		- Spt. 2 .1	}	BAILER.	
useo	3" DED.	•		1	ML NO MOVEE	propuet
	,					
Did well o	dewater?	Yes	No	Gallons actuall	ly evacuated:	
Sampling	Time:			Sampling Date	: /	
Sample I	D.:			Laboratory:	Pace Sequoia O	ther
Analyzed	for: TPI	1-G BTEX	МТВЕ ТРН-D	Other:		
D.O. (if re	eq'd):		Pre-purge:	mg/ <sub>L</sub>	Post-purge:	ing/L
O.R.P. (if			Pre-purge:	<u> </u>		mV
Blaine T	ech Serv	ices, Inc	. 1680 Roger:	s Ave., San Jo	se, CA 95112 (40	8) 573-0555

# WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client	# 11109		Inspection D	ate <u>3-//-03</u>
Site Addre	•	Footbill Blud.	Cakland Inspected By	, AC
1. Lid on box 2. Lid broken 3. Lid bolls m 4. Lid bolls si 5. Lid seal ini	? niesing? tripped? tact?	6. Casing secure? 7. Casing cut level? 8. Debris in wellbox? 9. Wellbox is too far above grad 10. Wellbox is too far below grad 11. Wellbox is crushed/damage	de? 13. Well cap present?	ing? 17. Can cap seal out water? sing? 18. Padlock present? 19. Padlock functional?
Well I.D.	Deficiency		Corrective Action Taken	
MW-2	(2.		bailed water	w/ hand bailer
M6-5	17.			w hand bailer
		•		
		•	•	
<u> </u>				
Note belov	w all defiencle	s that could not be correcte	d and still need to be corrected.	
Well I.D.	Persisting De		BTS Office assigns or defers Correction to:	Date Date assigned corrected
<del></del>				

## BP GEM OIL COMPANY TYPE A BILL OF LADING

BILL OF LADING FOR NON-SOURCE RECORD **PURGEWATER** RECOVERED FROM HAZARDOUS GROUNDWATER WELLS AT BP GEM OIL COMPANY. FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility; from a BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

Station #		
4280 Foothill	Blud. Da	kland
Station Address		
T + 1 C II C-IIt-1 Form	. C 1 Ma	witanina Walla
Total Gallons Collected Fron	n Groundwater Mic	onitoring wells:
45		
added equip.	any other	
rinse water 10	adjustmen	ts
TOTAL GALS.	loaded onto	
RECOVERED 55	BTS vehic	le#
BTS event#	time	date
030311-ACZ	1430	3/11/0
signature	<del></del>	
*******		
REC'D AT	time	date

## WELL GAUGING DATA

Project #	# <u>03</u>	50425- AW-1	Date <u>9-95-4</u>	3 Client	76	# /1/8j	
Site	4.280	Forth SYI	Cak land				

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)		Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-5	4		14.30	įΰĴ	197	14.38		Toc	
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## ARCO / BP WELL MONITORING DATA SHEET

						1		
BTS #: c	1309.25-	02-1		Station # // 10 * '/				
	Dave 1			Date: 9-25-63  Well Diameter: 2 3 4 6 8				
Well I.D.:	111115							
	l Depth:	14-30		Depth to Water	: 14,38			
Depth to I	Free Produc	ct: / <sup>1</sup> /,	っ フ ご	Thickness of Fr	ee Product (feet)	): , OS		
Referenced to: (PVC) Grade				D.O. Meter (if 1	req'd): Y	SI HACH		
Purge Metho	Positiv Elec Ex	Bailer sposable Bai e Air Displac tric Submers	0.04 0.16 0.37 ler- cement	4" 0. 6" 1.	ultipliet. 65 47 2 * 0.163 Bailer Disposable Bailer Extraction Port			
Top of Scree	•			(f pitter)	that water level is being purged.  Gals. Sulated Volume	ow the top		
Time	Temp (°F)	pH Feet le	Conductivity (mS or μS)	Gals, Removed	Observations			
Did well	dewater?	Yes	No	Gallons actual				
Sampling	g Time:			Sampling Date	:			
Sample I	.D.: /	,		Laboratory: \	Pace Sequoia	Other		
Analyze	d for: / TP	H-G BTE	X MTBE TPH-D	Other:	- Andrews			
D.O. (if	reg'd):		Pre-purge	: " "g/L	Post-purge:	m <u>r</u> /		
O.R.P. (i	f req'd):		Pre-purge	: mV	Post-purge:	/m		
						/ 40AL BEA 6487		

## **WELLHEAD INSPECTION CHECKLIST**

Page \_\_\_\_\_\_ of \_\_\_\_\_\_

Client <u>76</u>	# 11109				Date	9-25	-03	
Site Address	1280 Foot	1611	Oak	l-land				, and the state of
Job Number _	030125-DW	- /	·	Tech	nician	Dave	Walter	
Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)		Repair Order Submitted
mw-s	X							
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NOTES:				·	1			
110120.								
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## WELL GAUGING DATA

Project # 030825-10-4 Date_	8-25-03	Client 74	# 11109
- Ura E Hill a	•		

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	no	5811	letecto	1	14.04		TOC	
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## ARCO / BP WELL MONITORING DATA SHEET

BTS#: 030825-DW-4			Station # ///	09					
BTS#: 030825-DW-4 Sampler: Dave Walter				Date: 8-25-03					
Well I.D.:		-			Well Diameter	: 2 3 (4	, 6 8		
Total Well	Depth:			- · · · · · · · · · · · · · · · · · · ·	Depth to Wate	r: 14.04			
Depth to F	ree Produ	ct:	•		Thickness of Free Product (feet):				
Reference	d to:	PVC	Gra	de	D.O. Meter (if	req'd):	YSI J	АСН	
	Well Diamete	er	Multiplier	W		lullimlier			
	1" 2"		0.04 0.16		4" 0.0 6" 1.4	65 47			
	3"		0.37			<sup>7</sup> * 0.163			
Purge Method	1.	Bailer			Sampling Method:	: Bailer			
2 6		isposable Bai	iler		Stanping Mouroe.	Disposable Bailer			
	•	Middleburg				Extraction Port			
	Elec	ctric Submers	sible		Other:		_		
	E	xtraction Pun	np						
	Other:		·						
Top of Screen	·		If well is I	iclad ne n	no nurva confirm	that water level is b	alow the ton		
Top of Scieci	i				se, the well must be		etow the top		
Г	· · · · · · · · · · · · · · · · · · ·		OI SCIECU.	Outerwi	se, the wen must be	purgeo.		<del></del> 1	
			x chee	k for	5PH =	Gals.		1	
	1 Case Volu	ıme (Gals.)		cified Vo		culated Volume		1	
<u> </u>			Conduc	tivity					
Time	Temp (°F)	рH	(mS or	-	Cala Danson	05			
Title	1 (mp ( 1 )		<del> </del>		Gals. Removed	Observations			
		No	SPH	de4	ected				
	į								
	,								
Did well d	ewater?	Yes	No		Gallons actuall	y evacuated:			
Sampling 7	Time: \		<u>^</u>		Sampling Date				
Sample I.D.:			Laboratory:	Pace Sequoia	Other				
Analyzed for: трн-G втех мтве трн-D				Other:					
D.O. (if req'd): Pre-purge:			աե/Ր	Post-purge:		<sup>mg</sup> /∟			
O.R.P. (if req'd): Pre-purge:			mV	Post-purge:		mV			

## WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Site Address 4280 Footbul Bud. Calcus inspected By AC  1. Lid on box? 2. Lid broken? 3. Lid broken missing? 4. Lid bottle missing? 4. Lid bottle missing? 5. Lid seal intact?  10. Wellbox is too far above grade? 11. Wellbox is too far below grade? 11. Wellbox is consheddamaged?  12. Well cap found secure? 12. Standing above the top of casing? 12b. Standing below the top of casing? 12b. Standing below the top of casing? 12b. Well cap found secure? 11c. Well cap found secure? 11d. Wellbox is consheddamaged? 11d. Well cap found secure?  11d. Well cap found secure? 11d. Well cap found sec	Client	# 11109			Inspection Date	5-11-03	<u> </u>
2. Lib broken? 3. Lid botts missing? 4. Lib dotts missing? 5. Lid seal intact? 4. Well to see to far above grade? 10. Wellbox is too far below grade? 11. Wellbox is crushed/dameged? 11. Wellbox is crushed/dameged? 12. Well cap present? 13. Well cap present? 14. Well cap found secure? 15. Deficiency  Corrective Action Taken  Dailed worker will have bailer  17. Can cap seal out weller? 18. Padlock resent? 19. Padlock functional? 19. Pad		•	Footbill Blod. E	akland	Inspected By A	<u>c</u>	
Well I.D. Deficiency  NW-2 12.    bailed water w   hand bailer	2. Lid broker 3. Lid bolts r 4. Lid bolts s	nissing? hiripped? htact?	<ul><li>7. Casing cut level?</li><li>8. Debris in wellbox?</li><li>9. Wellbox is too far above grade?</li><li>10. Wellbox is too far below grade?</li><li>11. Wellbox is crushed/damaged?</li></ul>	12a. Standing about 12b. Standing belong 12c. Water even volume 13. Well cap four	ove the top of casing?  ow the top of casing?  with the top of casing?  sent?  nd secure?	16. Can cap 17. Can cap 18. Padlock p 19. Padlock f	be pulled loose? seal out water? present? unctional?
Note below all defiencies that could not be corrected and still need to be corrected.  BTS Office assigns or Date Date	Well I.D.						
Note below all defiencies that could not be corrected and still need to be corrected.  BTS Office assigns or Date Date	MW-2	12.		bailed	water w	hand	beiler
BTS Office assigns or Date Date	MW-5			builed	water w	hand	boiler
BTS Office assigns or Date Date							
BTS Office assigns or Date Date							
BTS Office assigns or Date Date			•				
BTS Office assigns or Date Date							
BTS Office assigns or Date Date							
BTS Office assigns or Date Date							
BTS Office assigns or Date Date							
BTS Office assigns or Date Date							
	Note belo	w all defiencie	s that could not be corrected a	and still need to be	corrected.		
	Well I.D.	Persisting De	ficiency				

## BP GEM OIL COMPANY TYPE A BILL OF LADING

BILL OF LADING FOR NON-SOURCE RECORD PURGEWATER RECOVERED FROM HAZARDOUS GROUNDWATER WELLS AT BP GEM OIL COMPANY. FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

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This Source Record BILL OF LADING was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

11109	
Station #	
4280 Foothill Bl	ed. Dekland
Station Address	
Total Gallons Collected From Gr	oundwater Monitoring Wells:
added equip.	any other
rinse water 10	adjustments
TOTAL GALS. RECOVERED 55	loaded onto BTS vehicle #
BTS event#	time date
030311-ACZ	1430 3/11/03
signature	
*****	
REC'D AT	time date
unloaded by	
signature	