VALUE, QUALITY, RESPONSE

Southern California
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TRANSMITTAL

TO: Ms. Barbara Jakub, P.G.
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

DATE: May 30, 2008
PROJECT NUMBER: 250613.TR09
SUBJECT: Former Exxon Service Station 70104, 1725 Park Street, Alameda, California.

FROM: Ms. Paula Sime
TITLE: Project Manager

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	February 27, 2008	First Quarter 2008 Field Notes

THESE ARE TRANSMITTED as checked below:

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REMARKS:
At the request of ExxonMobil Environmental Services Company, on behalf of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) is forwarding the above-referenced documents. Please call me at (707) 766-2000 with any questions or comments.

Paula Sime, Project Manager

cc: ERI Project File 250613X
Ms. Jennifer C. Sedlachek, ExxonMobil Environmental Services Company

GROUNDWATER MONITORING AND SAMPLING FIELD WORK REQUEST

Site #:	7-0104	ERI Project # :	250613X
Address:	1725 Park Street	Date:	2/27/2008
City:	Alameda	Project Manager:	Paula

WORK REQUESTED

Perform groundwater monitoring and sampling at the above-referenced site in accordance with ERI and ExxonMobil procedures. The applicable wells for this event, the sampling order, and the necessary container types are listed below. Collect a bailer blank (as noted on the attached COC). Purge all wells prior to sampling. 2 traffic control events: MW8 and MW9. Run purge water through the remediation system. **Bring crowbar to open the extraction wells (very large and heavy). Conduct a tech on tech LPO.**

4/V 1.0 1.0
T 3.0 3.0
OM 5.0 5.5

Sampling Order:

Well	DTW	Sample	Containers
MW8	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW9	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW6	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW7	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW5	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW4	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW3	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW2	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW11	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
MW1	Y	Y	(6) 40-ml VOAs with HCl; (2) 1-liter unpreserved ambers
EW1	Y	N	do not sample extraction wells
EW3	Y	N	do not sample extraction wells
EW5	Y	N	do not sample extraction wells

BILLING

See electronic FWR for Billing info

73 Digital Drive, Suite 100, Novato, California 94949 415.382.9105 FAX 415.382.1856
Irvine - Novato - Seattle

DAILY FIELD REPORT

Environmental Resolutions, Inc.

PROJECT: 7-0104 JOB # + ACTIVITY: 2506

SUBJECT: Q081 QM MS DATE: 2-27-08

EQUIPMENT USED: SHEET: 1 OF 2

NAME: Shawn Baker PROJECT MNGR: Paula

onsite 0730
safety meeting
open inspect MW4, 1, 11
DTW
Began purging offsite wells X3
Purge 2 onsite wells
Transfer water
offsite 1230

*Hard hat worn in compound
weather: warm clear
Traffic: light

Purge 78 gal
Decon 15 gal
Total: 93 gal
into system

DAILY FIELD REPORT

Environmental Resolutions, Inc.

PROJECT: 7044 JOB # + ACTIVITY: 250613 V

SUBJECT: QM Q08 1 DATE: 2/27/8

EQUIPMENT USED: SHEET: 1 OF 1

NAME: LYNX ADAMAH PROJECT MNGR: P. SIMS

ONSITE: 0715

* check-in
* safety mtg

* weather: Sunny, clear
* traffic: moderate

* hardhat worn in compound

* open wells on-site, inspect, DTW

* 3 DTW-only, EW1, EW3, EW5

* purged 5 on-site wells
* strong odor from MW6, MW3, & MW5

* sampled 5 on-site wells

* transferred water to System

* 132 gallons to system (+ Shawn's H20)

OFFSITE: 1245

WATER SAMPLING SITE STATUS

Date: 2-27-08

Inspected by: SmB

ERI Job Number: 2506 Station No.: 7-0104 Site Address: 1725 Park St Alameda

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
MW4	ok	ok	ok	ok	ok	ok	N	N							bolt broke in tab
MW1	NA	ok	ok	ok	ok	ok	N	NA							
MW11	ok	ok	ok	ok	ok	ok	N	OK							
MW8	ok	ok	ok	ok	ok	ok	N	N							stripped
MW9	ok	ok	ok	ok	ok	ok	N	N							stripped

N = Not repairable in time available-see comments.
R = Repaired-see comments
ok = No action needed.

Y = Yes.
N = No.

s = Soil.
w = Water.
e = Empty.

g = Graffitti on walls.
v = Vagrants (or evidence of).
o = Open (not secured).

WATER SAMPLING SITE STATUS

Date: 2/07/13

Inspected by: Lenny Adamah

ERI Job Number: 250613 Station No.: 70104 Site Address: 1725 Park St. Alameda

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
EW1	NA	ok	ok	NA	ok	ok	N	NA	ok						
EW3	NA	ok	ok	NA	ok	ok	N	NA	ok						
EW5	NA	ok	ok	NA	ok	ok	N	NA	ok						
MW6	ok	ok	ok	ok	ok	ok	N	N	ok						3/4 tabs stripped both tabs stripped
MW7	ok	ok	ok	ok	ok	ok	Y	N	ok						both screws broken off in tabs
MW5	N	ok	ok	ok	ok	ok	N	N	ok						both screws broken off in tabs
MW3	N	ok	ok	ok	ok	ok	N	N	ok						2/4 tabs stripped
MW2	ok	ok	ok	ok	ok	ok	N	N	ok						

N = Not repairable in time available-see comments.
R = Repaired-see comments
ok = No action needed.

Y = Yes.
N = No.

s = Soil.
w = Water.
e = Empty.

g = Graffitti on walls.
v = Vagrants (or evidence of).
o = Open (not secured).

Depth to Water Data		QRT	1st	YEAR	2008		Calc Case Volur
ERI #	2506 13x						2" WELL x 0.16
Site #	7-0104	Address:	1725 Park St., Alameda, CA				4" WELL x 0.65
PM:	Paula Sime						6" WELL x 1.46
Date:	2/27/2008						r (squared) x 0
Tech:	sb			Recharge formula:			
DTW Time				Step 1▶	Calc 80% in feet▶		TD - PreDTW x
Start:				Step 2▶	Calc PostDTW (ft)▶		TD - PostDTW
Finish:				Take ratio of result from Step 2 and Step 1 to find % re			

WELL ID	TD	PreDTW	CASE D	CASE V	PostDTW	Rechrg 80%	Sample Time
MW 1	20.42	5.8	4	9.53	9.26	N	11:30
MW 2	15.14		4	9.87			
MW 3	14.05		4	9.16			
MW 4	17.96	4.87	4	8.53	8.41	N	11:15
MW 5	18.81		4	12.26			
MW 6	18.3		4	11.93			
MW 7	18.36		4	11.97			
MW 8	18.73	5.25	2	2.20	5.8	Y	9:05
MW 9	18.68	5.9	2	2.08	6.84	Y	9:55
MW 11	14.74	5.16	2	1.56	5.48	Y	8:25
EW 1	X		4				
EW 3	X		4				
EW 5	X		4				

Case	Formula	Case Conversion Factors
	$r^2 \times 0.163$	2" x 0.163 6" x 1.457 4" x 0.652

Project # 7-0104 ↔ Location# 250613x

Date: 2/27/18

Sampler: Lynx Adamek

Well ID	Case Diameter	Odor/Shee	Total Depth	Pre-Purge DTW	DTP	Product Thickness	TOC	Elevation	Notes
EW1	4			4.38					DTW
EW3	4			4.53					only
EW5	4			4.35					
MW6	4		18.30	4.44					10
MW7	4		18.36	4.11					10
MW5	4		18.81	5.22					9
MW3	4		14.05	4.49					7
MW2	4		15.14	4.67					7

ER MONITORING - FIELD LOG					
ERI #	2506 13x		QRT	1st	2008
Client:	ExxonMobil		DATE:	2/27/08	
Site ID:	7-0104		TECH	sb	
ADDRESS:			PM:	Paula Sime	
1725 Park St., Alameda, CA			Total Purge Volume		
		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
BB					
COMMENTS:					
		PRG			
WELL #MW11	TIME	VOL	TEMP	COND	pH
	8:02	2	°C	US	
	8:03	2	17.00	142.30	7.71
	8:04	4	17.20	157.10	7.67
	8:05	6	17.70	170.00	7.59
TOTAL PURGE	6GAL				
COMMENTS:					
		PRG			
WELL #MW8	TIME	VOL	TEMP	COND	pH
	8:43	3	°C	US	
	8:45	3	17.60	373.00	7.44
	8:47	6	17.70	375.00	7.42
	8:48	9	18.00	385.00	7.38
TOTAL PURGE	9GAL				
COMMENTS:					
		PRG			
WELL #MW9	TIME	VOL	TEMP	COND	pH
	9:31	3	°C	US	
	9:33	3	17.30	495.00	7.68
	9:35	6	17.20	518.00	7.55
TOTAL PURGE	DRY@6				
COMMENTS:					

ER MONITORING - FIELD LOG					
ERI #	2506 13x		QRT	1st	2008
Client:	ExxonMobil		DATE:	2/27/08	
Site ID:	7-0104		TECH	sb	
ADDRESS:			PM:	Paula Sime	
1725 Park St., Alameda, CA			Total Purge Volume		
		PRG			
WELL #MW4	TIME	VOL	TEMP	COND	pH
	10:22	9	°C	US	
	10:27	9	18.10	378.00	7.53
	10:31	18	17.90	384.00	7.46
	10:36	27	18.00	392.00	7.35
TOTAL PURGE	27GAL				
COMMENTS:					
		PRG			
WELL #MW1	TIME	VOL	TEMP	COND	pH
	10:45	10	°C	US	
	10:50	10	18.10	618.00	6.92
	10:54	20	18.30	630.00	6.88
	10:59	30	18.30	637.00	6.84
TOTAL PURGE	30GAL				
COMMENTS:					

GROUNDWATER SAMPLING FIELD LOG

Client Name: XOM
Location: 7-0104
Field Crew: LYNX, SHAWN

ERI Job #: 250613X
Field Cleaning Performed: _____
Analysis: _____

Date: 2/27/18 Page 1 of 1

Case Volume = (TD - DTW) x F where F =

0.163 for 2" inside-diameter well casing
0.652 for 4" inside-diamter well casing
1.457 for 6" inside-diamter well casing

Well ID	Time	Case Volume	Purge Volume	Temp	Cond	pH	Post-Purge DTW	80% Recharge	BB	40mil	Amber	DO	ORP	Comments Well Box Condition
MW6	840	10					5.45	Y		940				
	846		10	15.4	632	6.90								
	852		20	15.8	604	6.85								
	859		30	16.1	600	6.83								
MW7	1001	10					4.12	Y		1040				17 gallons purged
	1007		10	15.6	213	6.92								
	1014		20	15.4	210	6.92								
	1021		30	15.2	210	6.91								
MW5	1041	9					7.08	Y		1145				
	1047		9	16.5	356	6.80								
	1052		18	16.8	383	6.80								
	1058		27	17.2	385	6.90								
MW3	907	7					5.36	Y		955				
	911		7	15.9	586	6.72								
	915		14	16.3	587	6.76								
	920		21	16.5	579	6.81								
MW2	1112	7					13.66	N		1205				
	1116		7	17.6	276	6.58	Dry @ 9 gallons							
			14											
			21											