



ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 22, 2010

Charles Carmel (*Sent via E-mail to: charles.carmel@bp.com*)
Atlantic Richfield Corporation
P.O. Box 1257
San Ramon, CA 94583

Subject: Fuel Leak Case No. RO0002431 and GeoTracker Global ID T0600101432, BP #11120, 6400
Dublin Blvd., Dublin, CA 94568

Dear Mr. Carmel:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual groundwater contamination consisting of 46 µg/L MTBE remains at the site.

If you have any questions, please call Paresh Khatri at (510) 777-2478. Thank you.

Sincerely,



Donna L. Drogos, P.E.
Division Chief

Enclosures: 1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612
(Sent via E-mail to:
CMccaulou@waterboards.ca.gov)

Closure Unit (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120
(Sent via E-mail)

Paresh Khatri (w/orig enc), D. Drogos (w/enc), T. Le-Khan (w/enc)

ALAMEDA COUNTY
**HEALTH CARE SERVICES
AGENCY**

ALEX BRISCOE, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

October 22, 2010

Charles Carmel (*Sent via E-mail to: charles.carmel@bp.com*)

Atlantic Richfield Corporation

P.O. Box 1257

San Ramon, CA 94583

REMEDIAL ACTION COMPLETION CERTIFICATE

Subject: Fuel Leak Case No. RO0002431 and GeoTracker Global ID T0600101432, BP #11120, 6400
Dublin Blvd., Dublin, CA 94568

Dear Mr. Carmel:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,



Ariu Levi

Director

Alameda County Environmental Health

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

I. AGENCY INFORMATION

Date: June 21, 2010

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 777-2478
Responsible Staff Person: Paresh Khatri	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: BP #11120		
Site Facility Address: 6400 Dublin Blvd., Dublin, CA		
RB Case No.: 01-1556	StID No.: NA	LOP Case No.: RO0002431
URF Filing Date: 2/2/1993	Global ID No.: T0600101432	APN: 84A-131-15-2
Responsible Parties	Addresses	Phone Numbers
Atlantic Richfield Company c/o Charles Carmel	P.O. Box 1257, San Ramon, CA 94583	(925) 275-3801
---	---	---

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
---	---	---	No USTs Removed	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
Piping			---	---

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: USTs and piping are suspected since strong odors and soil discoloration was observed during UST system replacement in 1996.		
Site characterization complete? Yes	Date Approved By Oversight Agency: ---	
Monitoring wells installed? Yes	Number: 4	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 3.4 ft (below top of casing)	Lowest Depth: 8.91 ft (below top of casing)	Flow Direction: Southeast to Southwest
Most Sensitive Current Use: Domestic Water Supply.		

Summary of Production Wells in Vicinity: Two water supply wells are located within a 2,500-foot radius of site: 3S/1E6G4 is located approximately 1,672 feet east of the site and 3S/1E 6G6 is located approximately 2,280 feet west/southwest of the site. The Zone 7 Water Agency does not know if the wells are for domestic or irrigation purposes, and they also do not know if the wells are currently active. These wells are not considered receptors due to their respective distances from the subject site.

Are drinking water wells affected? No	Aquifer Name: Livermore Valley Groundwater Basin (Dublin Sub-basin)
Is surface water affected? No	Nearest SW Name: small south-flowing tributary to the creek is present approximately 1500 feet east of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	---	No USTs Removed	---
Piping	---	---	---
Free Product	---	---	---
Soil	---	---	---
Groundwater	---	---	---

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	<0.05	<0.05	5,100 (MW-11, 9/30/2003)	<50
TPH (Diesel)	--	--	--	--
TPH (Motor Oil)	--	--	--	--
Benzene	<0.005	<0.005	4.1 (MW-11, 6/10/2005)	<0.5 (MW-3, 9/3/1999)
Toluene	0.0051 (MW-11, 6.5, 2/15/2002)	0.0051 (MW-11, 6.5, 2/15/2002)	0.53 (MW-11, 10/26/2009)	0.53 (MW-11, 10/26/2009)
Ethylbenzene	<0.005	<0.005	2.83 (MW-11, 2/25/2002)	<0.5
Xylenes	<0.005	<0.005	8.46 (MW-10, 2/25/2002)	<0.5
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	--	--	--	--
MTBE	0.048 ⁴ (MW-11, 6.5, 2/15/2002)	0.048 ³ (MW-11, 6.5, 2/15/2002)	22,000 ² (HP-2, 5/14/1999)	46 ¹ (MW-8, 10/26/2009)
Other (8240/8270)	--	--	--	--

¹ Other VOCs analyzed (groundwater µg/L after cleanup): 46 µg/L MtBE, <5 µg/L TBA, <1 µg/L DIPE, <0.5 µg/L ETBE, <5 µg/L TAME, <0.5 µg/L EDB, <0.5 µg/L 1,2-DCA, <300 µg/L ethanol.

² Other VOCs analyzed (groundwater ppb before cleanup): 22,000 µg/L MtBE, <200 µg/L TBA, <5 µg/L DIPE, <5 µg/L ETBE, <5 µg/L TAME, <5 µg/L EDB, <5 µg/L 1,2-DCA, <1,000 µg/L ethanol.

³ Other VOCs (Soil mg/kg after cleanup): 0.048 mg/kg MtBE, TBA, DIPE, ETBE, TAME, EDB, 1,2-DCA and EtOH not analyzed.

⁴ Other VOCs analyzed (Soil mg/kg before cleanup): 0.048 mg/kg MtBE, TBA, DIPE, ETBE, TAME, EDB, 1,2-DCA and EtOH not analyzed.

NA - Not Analyzed

Site History and Description of Corrective Actions:

The site is an operating service station located on the south corner of the intersection of Dublin Boulevard and Dougherty Road in Dublin, California (**Figure 1**). The service station consists of a station building and two dispenser islands, two underground storage tanks (USTs) of unknown size, and an aboveground propane tank (of unknown size) is located near the western property boundary. The site was operated as a Mobil-brand service station prior to 1989, when it was transferred to BP, and has remained an operational service station since.

This site received case closure on March 15, 1999, as Alameda County Local Oversight Program (LOP) case # RO0002888, for a historical gasoline leak associated with four former USTs. This case closure summary (Alameda County LOP case # RO0002431) includes all investigation activities since March 15, 1999. The two tanks that are currently operational on site replaced the four former USTs associated with case # RO0002888 in April 1996. The site is located in a mixed commercial/residential area (**Figure 2**). Nearby properties consist of residential use southwest of the site. A 76-branded service station is located west of the site, across Dublin Boulevard. A Shell-branded service station is located north of the site and a Honda dealership is located northeast of the site.

Gettler-Ryan Inc. (GR) advanced two soil borings using a GeoProbe™ rig on May 14, 1999. The work was conducted to evaluate MTBE as part of a property transaction between Mobil and British Petroleum. The two borings (HP-1 and HP-2) were advanced to approximately 25 feet below ground surface (bgs), where one grab groundwater sample was collected from each boring (**Figure 3**). Groundwater sample analytical results detected methyl tert-butyl ether (MTBE) in the groundwater at concentrations up to 22,000 micrograms per liter (µg/L). Analytical results are summarized on **Table 2**.

Alisto Engineering Group (Alisto) conducted a subsurface investigation at the site in February 2002. Alisto installed four monitoring wells (MW-8 through MW-11) and collected soil and groundwater samples during the installation activities. Soil samples did not detect concentrations of total petroleum hydrocarbons as gasoline (TPH-g) and benzene, toluene, ethylbenzene and xylene (BTEX) above the laboratory reporting limits with the exception of toluene; toluene levels at

MW-8 were detected at 0.0051 milligrams per kilogram (mg/kg) at 6.5 feet bgs. MTBE was detected in the MW-11 boring at a concentration of 0.048 mg/kg at 6.5 feet bgs (see **Table 1** and **Figure 4**).

In 2002 groundwater samples detected concentrations of MTBE at 1.98 µg/L at well MW-8; TPHg and BTEX constituents were all below laboratory reporting limits. All analytes were below laboratory reporting limits in well MW-9. At well MW-10, the following detections were observed: TPH-g at 53 µg/L, benzene at 2.58 µg/L, ethylbenzene at 2.83 µg/L and xylene at 8.46 µg/L. MTBE and toluene were below reporting limits at MW-10. MW-11 had the following detections: TPHg at 1,800 µg/L, benzene at 1.34 µg/L and MTBE at 2,550 µg/L. Toluene, ethylbenzene and xylenes were below laboratory reporting limits in MW-11. Historical groundwater analytical results are summarized on **Table 2**. Currently, all analytes are below the laboratory reporting limits except toluene (0.53 µg/L) and MTBE (46 µg/L). Well MW-9 (north of dispenser islands) was decommissioned on August 16, 2006 to facilitate road widening work that was completed by the City of Dublin. Decommissioning of the well was approved by Alameda County Environmental Health (ACEH) in an email dated June 16, 2006 sent to Broadbent Associates, Inc. Groundwater monitoring has been conducted quarterly at the site since February 2002.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a significant risk to human health based upon current land use and conditions.		
Site Management Requirements: Case closure for this fuel leak site is granted for the current commercial land use only. If a change in land use to any residential or other conservative land use scenario is proposed at this site, Alameda County Environmental Health (AECH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans.		
Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party (or current property owner/developer) prior to and during excavation and construction activities.		
Should corrective action be reviewed if land use changes? Yes.		
Was a deed restriction or deed notification filed? No		Date Recorded: ---
Monitoring Wells Decommissioned:	Number Decommissioned: 1	Number Retained: 3
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: ---		

V. ADDITIONAL COMMENTS, DATA, ETC.

<p>Considerations and/or Variances:</p> <p>None</p> <p>Conclusion:</p> <p>Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significantly threat to water resources, public health and safety, and the environment under the current commercial land use based upon the information available in our files to date. No further investigation or cleanup for the fuel leak case is necessary unless a change in land use to any residential or other conservative land use scenario occurs at the site. ACEH staff recommend closure for the site.</p>

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Paresh Khatri	Title: Hazardous Materials Specialist
Signature: <i>Paresh Khatri</i>	Date: June 10, 2010
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: <i>Donna L. Drogos</i>	Date: 06/23/10

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: JUNE 24, 2010	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: JULY 1, 2010	Date of Well Decommissioning Report: OCTOBER 12, 2010	
All Monitoring Wells Decommissioned: No	Number Decommissioned: 4	Number Retained: 0
Reason Wells Retained:		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>Paresh Khatri</i>	Date: 10/20/2010	

- Attachments:
1. Site Figures 1-9
 2. Analytical Tables 1-5
 3. Boring Logs (4 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

Khatri, Paresh, Env. Health

From: Cherie McCaulou [CMccaulou@waterboards.ca.gov]
Sent: Wednesday, June 30, 2010 11:00 AM
To: Khatri, Paresh, Env. Health
Subject: Re: Fwd: RO00002431; Closure Summary for BP #11120 (T0600101432)

Paresh - Thanks for the notification. We have no objection to ACEH's recommendation for case closure of Case #RO02431 (BP Station #11120).

Sincerely,

Cherie McCaulou
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
cmccaulou@waterboards.ca.gov
510-622-2342

>>> Cleet Carlton 6/24/2010 4:31 PM >>>

I have a SCP case cross-downgradient, but it doesn't look like this site has anything for that case to be concerned about.

Cleet Carlton, P.G.
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, California 94612
(510) 622-2374

>>> Cherie McCaulou 6/24/2010 4:03 PM >>>

Do you have any objection to closing a UST case at 6400 Dublin Blvd. ?

Sincerely,

Cherie McCaulou
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
cmccaulou@waterboards.ca.gov
510-622-2342

>>> "Khatri, Paresh, Env. Health" <paresh.khatri@acgov.org> 6/24/2010 8:42 AM >>>

Hello Cherie,

Attached is a closure summary for RO00002431; BP #11120 located at 6400 Dublin Boulevard in Dublin to comply with the RWQCB's 30-day review period. If no comments from the RWQCB are received within the 30-day review period, ACEH's will proceed with case closure.

Please contact me should you have any comments or questions regarding the subject site.

Sincerely,

Paresh C. Khatri

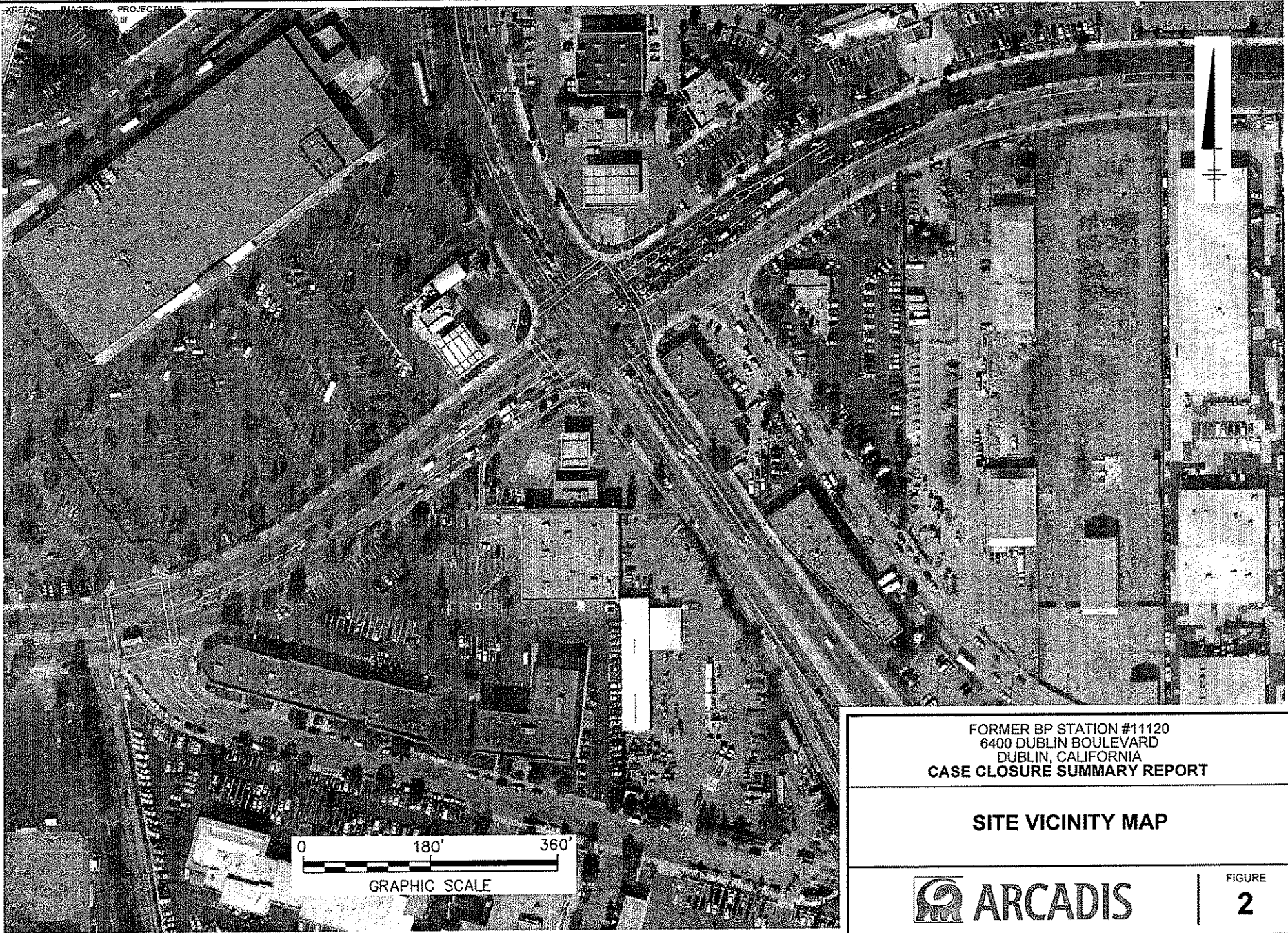
Hazardous Materials Specialist
Alameda County Environmental Health
Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Phone: (510) 777-2478
Fax: (510) 337-9335

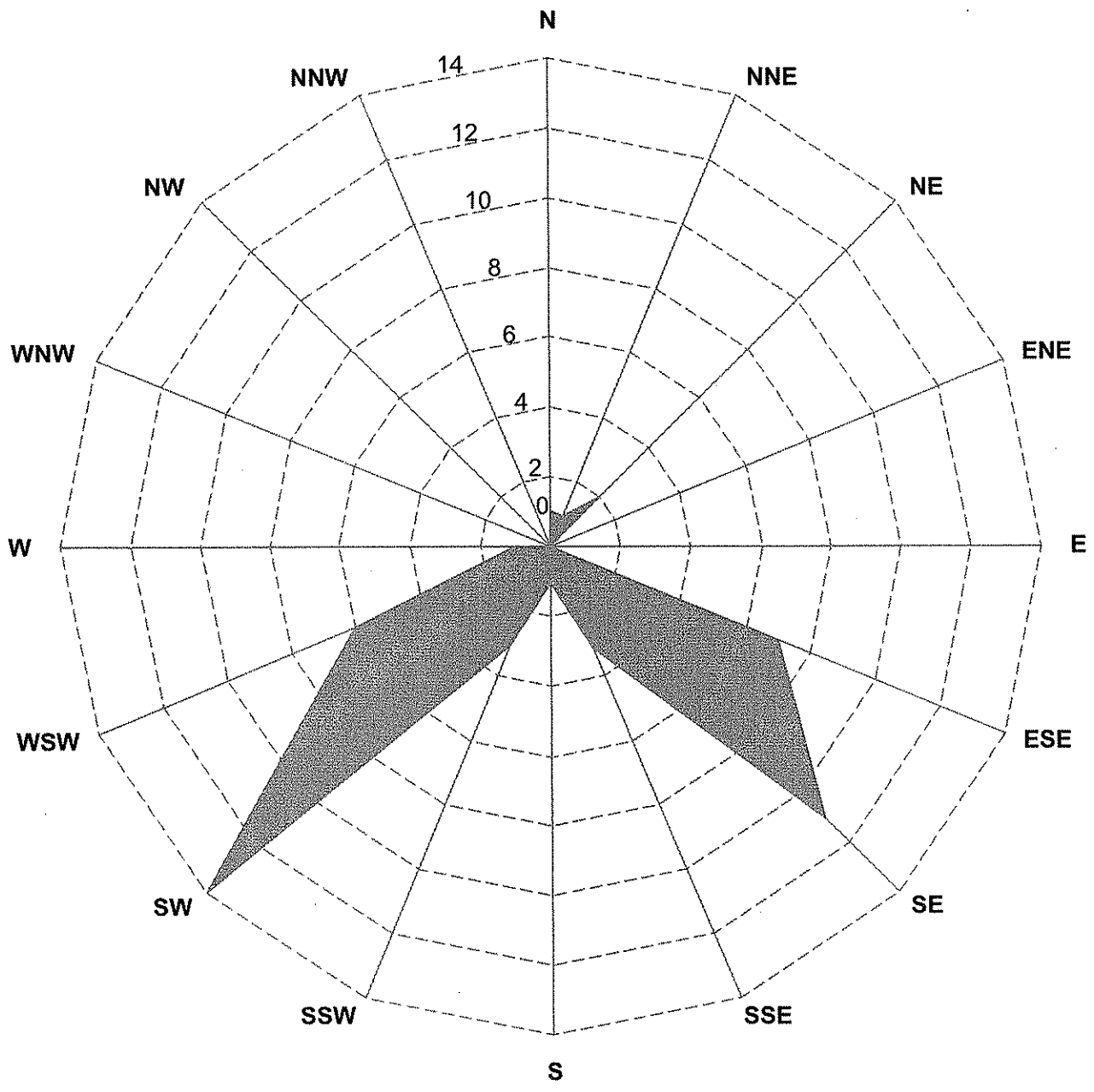
E-mail: Paresh.Khatri@acgov.org

<http://www.acgov.org/aceh/lop/lop.htm>

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CITY: PETALUMA, CA DIV/GROUP: ENV DE: J. HARRIS LD: PIC: PI: H. PHILLIPS TM: KJ PRESTON LVR/OPTIONS: OFF=REF*
 G:\ENV\CAD\petalumact\GP08BP\NAC40\000000\GP08BP\NAC40\00-07.dwg LAYOUT: 7 SAVED: 3/22/2010 12:29 PM ACADVER: 17.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/22/2010 2:14 PM BY: HARRIS, JESSICA
 XREFS: IMAGES: PROJECTNAME: ---




FORMER BP STATION #11120 6400 DUBLIN BOULEVARD DUBLIN, CALIFORNIA CASE CLOSURE SUMMARY REPORT	
HISTORICAL GROUNDWATER FLOW DIRECTION	
	FIGURE 7

Table 1: Historical Soil Results
BP # 11120
6400 Dublin Blvd, Dublin, CA
Local Case # RO0002431

Location	Sample Depth (ft bgs)	Sample Date	TPHg		Benzene		Toulene		Ethylbenzene		Xylene		MTBE	
MW-8	6.5	2/15/2002	<0.05	mg/kg	<0.005	mg/kg	0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg
MW-9	6.5	2/15/2002	<0.05	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg
MW-10	6.5	2/15/2002	<0.05	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg
MW-11	6.5	2/15/2002	<0.05	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg	<0.005	mg/kg	0.048	mg/kg

Notes:

ft bgs = feet below ground surface

mg/kg = milligrams per kilogram

MTBE = Methyl tert-butyl ether

TPHg = Total Petroleum Hydrocarbons as Gasoline

< = Analyte was not detected above the specified method reporting limit

Table 2: Historical Groundwater Results
 BP # 11120
 6400 Dublin Blvd, Dublin, CA
 Local Case # RO0002431

Location	Sample Date	TOC Elevation	DTW (ft btoc)	Product Thickness (ft)	Water Level Elevation (ft amsl)	TPHg	Benzene	Toulene	Ethylbenzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	Ethano I	1,2-DCA	EDB
HP-1 ¹	14-May-99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	4800	--	--	--	--	--	--	--
HP-2 ¹	14-May-99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	22000	--	--	--	--	--	--	--
MW-8	25-Feb-02	328.94	6.02	--	322.92	<50	<0.5	<0.5	<0.5	<0.5	1.98	--	--	--	--	--	--	--
MW-8	30-Sep-02	328.94	6.16	--	322.78	<50	<0.5	<0.5	<0.5	<0.5	2.9/4.8	--	--	--	--	--	--	--
MW-8	13-Dec-02	328.94	5.81	--	323.13	<50	<0.5	<0.5	<0.5	<0.5	5.9/6.4	--	--	--	--	--	--	--
MW-8	12-Mar-03	328.94	5.8	--	323.14	<50	<0.50	<0.50	<0.50	<0.50	4.3/3.8	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	28-Jun-03	328.94	5.7	--	323.24	<50	<0.50	<0.50	<0.50	<0.50	4.1	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	30-Sep-03	328.94	5.9	--	323.04	<50	<0.50	<0.50	<0.50	<0.50	4.1	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	05-Dec-03	328.94	5.89	--	323.05	<50	<0.50	<0.50	<0.50	<0.50	6.7	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	10-Mar-04	328.94	4.74	--	324.2	<50	<0.50	<0.50	<0.50	<0.50	5.1	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	21-Jun-04	328.94	6.12	--	322.82	<50	<0.50	<0.50	<0.50	<0.50	7.5	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	17-Sep-04	328.94	6.38	--	322.56	<50	<0.50	<0.50	<0.50	<0.50	6.6	<20	<0.50	<0.50	<0.50	16	<0.50	<0.50
MW-8	13-Dec-04	328.94	5.47	--	323.47	<50	<0.50	<0.50	<0.50	<0.50	6.7	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	03-Mar-05	328.94	4.43	--	324.51	<50	<0.50	<0.50	<0.50	<0.50	5.6	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	10-Jun-05	328.94	5.35	--	323.59	<50	<0.50	<0.50	<0.50	<0.50	6.2	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	16-Sep-05	328.94	6.58	--	322.36	<50	<0.50	<0.50	<0.50	<0.50	5.7	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	15-Dec-05	328.94	8.54	--	320.4	<50	<0.50	<0.50	<0.50	<0.50	2.6	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50
MW-8	01-Mar-06	328.94	7.55	--	321.39	<50	<0.50	<0.50	<0.50	<0.50	2.8	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50
MW-8	23-Jun-06	328.94	8.14	--	320.8	<50	<0.50	<0.50	<0.50	<0.50	35	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50
MW-8	19-Sep-06	328.94	7.33	--	321.61	82	<1.0	<1.0	<1.0	<1.0	130	<40	<1.0	<1.0	<1.0	<600	<1.0	<1.0
MW-8	19-Dec-06	328.94	7.55	--	321.39	82	<1.0	<1.0	<1.0	<1.0	120	<40	<1.0	<1.0	<1.0	<600	<1.0	<1.0
MW-8	29-Mar-07	328.94	7.44	--	321.5	120	<0.50	<0.50	<0.50	<0.50	180	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50
MW-8	05-Jun-07	328.94	7.58	--	321.36	77	<1.0	<1.0	<1.0	<1.0	130	<40	<1.0	<1.0	<1.0	<600	<1.0	<1.0
MW-8	11-Sep-07	328.94	8	--	320.94	76	<0.50	<0.50	<0.50	<0.50	130	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50
MW-8	26-Dec-07	328.94	6.45	--	322.49	97	<0.50	<0.50	<0.50	<0.50	150	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50
MW-8	25-Mar-08	328.94	5.82	--	323.12	<50	<0.50	<0.50	<0.50	<0.50	100	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50
MW-8	10-Jun-08	328.94	6.51	--	322.43	<50	<2.5	<2.5	<2.5	<2.5	95	<50	<2.5	<2.5	<2.5	<1,500	<2.5	<2.5
MW-8	09-Sep-08	328.94	6.6	--	322.34	<50	<2.5	<2.5	<2.5	<2.5	62	<50	<2.5	<2.5	<2.5	<1,500	<2.5	<2.5
MW-8	04-Dec-08	328.94	6.8	--	322.14	<50	<0.50	<0.50	<0.50	<0.50	38	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50
MW-8	05-Mar-09	328.94	4.82	--	324.12	<50	<0.50	<0.50	<0.50	<0.50	75	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50
MW-8	03-Jun-09	328.94	6.6	--	322.34	65	<1.0	<1.0	<1.0	<1.0	52	<20	<1.0	<1.0	<1.0	<600	<1.0	<1.0
MW-8	16-Sep-09	328.94	6.82	--	322.12	<50	<1.0	<1.0	<1.0	<1.0	63	<20	<1.0	<1.0	<1.0	<600	<1.0	<1.0
MW-8	26-Oct-09	328.94	6.2	--	322.74	<50	<0.5	0.51	<0.5	<1.0	46	<5	<1.0	<0.5	<0.5	<250	<0.5	<0.5

Table 2: Historical Groundwater Results
 BP # 11120
 6400 Dublin Blvd, Dublin, CA
 Local Case # RO0002431

Location	Sample Date	TOC Elevation	DTW (ft btoc)	Product Thickness (ft)	Water Level Elevation (ft amsl)	TPHg	Benzene	Toulene	Ethylbenzene	Xylenes	µg/L								
											MTBE	TBA	DIPE	ETBE	TAME	Ethano I	1,2-DCA	EDB	
MW-9	25-Feb-02	329.96	5.9	--	324.06	<250	<2.50	<2.50	<2.50	<5.00	<2.50	--	--	--	--	--	--	--	--
MW-9	30-Sep-02	329.96	6.92	--	323.04	<50	<0.5	<0.5	<0.5	<0.5	1.4/3.3	--	--	--	--	--	--	--	--
MW-9	13-Dec-02	329.96	6.51	--	323.45	<50	<0.5	<0.5	<0.5	<0.5	0.53/<2.5	--	--	--	--	--	--	--	--
MW-9	12-Mar-03	329.96	6.86	--	323.1	<50	<0.50	<0.50	<0.50	<0.50	0.59/<2.5	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	28-Jun-03	329.96	5.95	--	324.01	<50	<0.50	<0.50	<0.50	<0.50	1	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	30-Sep-03	329.96	6.24	--	323.72	<50	<0.50	<0.50	<0.50	<0.50	16	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	05-Dec-03	329.96	7.21	--	322.75	<50	<0.50	<0.50	<0.50	<0.50	33	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	10-Mar-04	329.96	5.37	--	324.59	<50	<0.50	<0.50	<0.50	<0.50	2.4	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	21-Jun-04	329.96	6.67	--	323.29	<50	<0.50	<0.50	<0.50	<0.50	1.6	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	17-Sep-04	329.96	7.89	--	322.07	<50	<0.50	<0.50	<0.50	<0.50	0.72	<20	<0.50	<0.50	<0.50	13	<0.50	<0.50	
MW-9	13-Dec-04	329.96	5.22	--	324.74	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	03-Mar-05	329.96	5.12	--	324.84	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	10-Jun-05	329.96	5.9	--	324.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	16-Sep-05	329.96	6.99	--	322.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	15-Dec-05	329.96	8.52	--	321.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50	
MW-9	01-Mar-06	329.96	8.06	--	321.9	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50	
MW-9	23-Jun-06	329.96	8.56	--	321.4	<50	<0.50	<0.50	<0.50	<0.50	1.1	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50	

Table 2: Historical Groundwater Results
 BP # 11120
 6400 Dublin Blvd, Dublin, CA
 Local Case # RO0002431

Location	Sample Date	TOC Elevation	DTW (ft btoc)	Product Thickness (ft)	Water Level Elevation (ft ams)	TPHg	Benzene	Toulene	Ethylbenzene	Xylenes	µg/L									
											MTBE	TBA	DIPE	ETBE	TAME	Ethano I	1,2-DCA	EDB		
MW-10	25-Feb-02	327.44	4.21	--	323.23	53	2.58	<0.5	2.83	8.46	<0.5	--	--	--	--	--	--	--	--	
MW-10	30-Sep-02	327.44	4.71	--	322.73	<50	<0.5	<0.5	<0.5	<0.5	0.51/2.8	--	--	--	--	--	--	--	--	
MW-10	13-Dec-02	327.44	6.36	--	321.08	<50	<0.5	<0.5	<0.5	<0.5	<0.5/<2.5	--	--	--	--	--	--	--	--	
MW-10	12-Mar-03	327.44	7.96	--	319.48	<50	<0.50	<0.50	<0.50	<0.50	0.76/<2.5	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	28-Jun-03	327.44	7.7	--	319.74	<50	<0.50	<0.50	<0.50	<0.50	0.68	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	30-Sep-03	327.44	7.57	--	319.87	<50	<0.50	<0.50	<0.50	<0.50	0.71	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	05-Dec-03	327.44	6.64	--	320.8	<50	<0.50	<0.50	<0.50	<0.50	0.78	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	10-Mar-04	327.44	5.2	--	322.24	<50	<0.50	<0.50	<0.50	<0.50	0.58	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	21-Jun-04	327.44	7.45	--	319.99	<50	<0.50	<0.50	<0.50	<0.50	1.1	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	17-Sep-04	327.44	7.49	--	319.95	<50	<0.50	<0.50	<0.50	<0.50	0.82	<20	<0.50	<0.50	<0.50	9.4	<0.50	<0.50		
MW-10	13-Dec-04	327.44	5.19	--	322.25	<50	<0.50	<0.50	<0.50	<0.50	0.73	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	03-Mar-05	327.44	4.86	--	322.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	10-Jun-05	327.44	4	--	323.44	<50	<0.50	<0.50	<0.50	<0.50	1.2	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	16-Sep-05	327.44	4.78	--	322.66	<50	<0.50	<0.50	<0.50	<0.50	0.98	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	15-Dec-05	327.44	6.67	--	320.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-10	01-Mar-06	327.44	5.67	--	321.77	<50	<0.50	<0.50	<0.50	<0.50	0.59	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	23-Jun-06	327.44	5.83	--	321.61	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	19-Sep-06	327.44	6.87	--	320.57	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	19-Dec-06	327.44	7.1	--	320.34	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	29-Mar-07	327.44	5.25	--	322.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	05-Jun-07	327.44	6.94	--	320.5	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	11-Sep-07	327.44	5.88	--	321.56	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	26-Dec-07	327.44	5.02	--	322.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	25-Mar-08	327.44	6.46	--	320.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	10-Jun-08	327.44	6.67	--	320.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	09-Sep-08	327.44	4.84	--	322.6	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	04-Dec-08	327.44	4.8	--	322.64	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	05-Mar-09	327.44	3.4	--	324.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	03-Jun-09	327.44	4.9	--	322.54	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	16-Sep-09	327.44	5.5	--	321.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-10	26-Oct-09	327.44	5.77	--	321.67	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5	<1.0	<0.50	<0.50	<250	<0.50	<0.50		

Table 2: Historical Groundwater Results
 BP # 11120
 6400 Dublin Blvd, Dublin, CA
 Local Case # RO0002431

Location	Sample Date	TOC Elevation	DTW (ft btoc)	Product Thickness (ft)	Water Level Elevation (ft amsl)	TPHg	Benzene	Toulene	Ethylbenzene	Xylenes	µg/L									
											MTBE	TBA	DIPE	ETBE	TAME	Ethano I	1,2-DCA	EDB		
MW-11	25-Feb-02	329.75	6.02	--	323.73	1,800	1.34	<0.5	<0.5	<1.0	2,550	--	--	--	--	--	--	--	--	
MW-11	30-Sep-02	329.75	7.12	--	322.63	<50	<0.5	<0.5	<0.5	<0.5	1,500/1,400	--	--	--	--	--	--	--	--	
MW-11	13-Dec-02	329.75	6.6	--	323.15	1,300	<10	<10	<10	<10	1,400/2,000	--	--	--	--	--	--	--	--	
MW-11	12-Mar-03	329.75	5.79	--	323.96	<500	<5.0	<5.0	<5.0	<5.0	650/2,900	<200	<5.0	<5.0	<5.0	<1,000	<5.0	<5.0		
MW-11	28-Jun-03	329.75	5.68	--	324.07	<5,00	<50	<50	<50	<50	2,500	<2,00	<50	<50	<50	<10,000	<50	<50		
MW-11	30-Sep-03	329.75	6.68	--	323.07	5,100	<25	<25	<25	<25	3,200	<1,00	<25	<25	<25	<5,000	<25	<25		
MW-11	05-Dec-03	329.75	6.69	--	323.06	<5,00	<50	<50	<50	<50	3,500	<2,00	<50	<50	<50	<10,000	<50	<50		
MW-11	10-Mar-04	329.75	5.29	--	324.46	3,000	<25	<25	<25	<25	1,800	<1,00	<25	<25	<25	<5,000	<25	<25		
MW-11	21-Jun-04	329.75	6.65	--	323.1	<5,00	<50	<50	<50	<50	1,900	<2,00	<50	<50	<50	<10,000	<50	<50		
MW-11	17-Sep-04	329.75	7.02	--	322.73	<2,50	<25	<25	<25	<25	1,700	<1,00	<25	<25	<25	13	<25	<25		
MW-11	13-Dec-04	329.75	6.01	--	323.74	650	<5.0	<5.0	<5.0	<5.0	610	<200	<5.0	<5.0	<5.0	<1,000	<5.0	<5.0		
MW-11	03-Mar-05	329.75	5.13	--	324.62	250	<2.5	<2.5	<2.5	<2.5	190	<100	<2.5	<2.5	<2.5	<500	<2.5	<2.5		
MW-11	10-Jun-05	329.75	6	--	323.75	<100	4.1	<1.0	<1.0	<1.0	100	<40	<1.0	<1.0	<1.0	<200	<1.0	<1.0		
MW-11	16-Sep-05	329.75	7.24	--	322.51	<100	<1.0	<1.0	<1.0	<1.0	52	<40	<1.0	<1.0	<1.0	<200	<1.0	<1.0		
MW-11	15-Dec-05	329.75	8.91	--	320.84	<50	<0.50	<0.50	<0.50	<0.50	9	<20	<0.50	<0.50	<0.50	<100	<0.50	<0.50		
MW-11	01-Mar-06	329.75	8.05	--	321.7	<50	<0.50	<0.50	<0.50	<0.50	21	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	23-Jun-06	329.96	8.65	--	321.31	<50	<0.50	<0.50	<0.50	<0.50	23	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	19-Sep-06	329.96	8.07	--	321.89	<50	<0.50	<0.50	<0.50	<0.50	26	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	19-Dec-06	329.96	8.17	--	321.79	<50	<0.50	<0.50	<0.50	<0.50	42	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	29-Mar-07	329.96	8.05	--	321.91	<50	<0.50	<0.50	<0.50	<0.50	65	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	05-Jun-07	329.96	8.22	--	321.74	53	<0.50	<0.50	<0.50	<0.50	74	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	11-Sep-07	329.96	8.62	--	321.34	<50	<0.50	<0.50	<0.50	<0.50	55	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	26-Dec-07	329.96	7.12	--	322.84	<50	<0.50	<0.50	<0.50	<0.50	45	<20	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	25-Mar-08	329.96	6.51	--	323.45	<50	<0.50	<0.50	<0.50	<0.50	22	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	10-Jun-08	329.96	7.25	--	322.71	<50	<0.50	<0.50	<0.50	<0.50	15	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	09-Sep-08	329.96	7.33	--	322.63	<50	<0.50	<0.50	<0.50	<0.50	9.1	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	04-Dec-08	329.96	7.53	--	322.43	<50	<0.50	<0.50	<0.50	<0.50	7.1	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	05-Mar-09	329.96	5.6	--	324.36	<50	<0.50	<0.50	<0.50	<0.50	7.3	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	03-Jun-09	329.96	7.26	--	322.7	<50	<0.50	<0.50	<0.50	<0.50	5.4	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	16-Sep-09	329.96	7.55	--	322.41	<50	<0.50	<0.50	<0.50	<0.50	7.3	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50		
MW-11	26-Oct-09	329.96	6.93	--	323.03	<50	<0.50	0.53	<0.50	<1.0	7.6	<5	<1.0	<0.50	<0.50	<250	<0.50	<0.50		

Table 2: Historical Groundwater Results
BP # 11120
6400 Dublin Blvd, Dublin, CA
Local Case # RO0002431

Location	Sample Date	TOC Elevation	DTW (ft btoc)	Product Thickness (ft)	Water Level Elevation (ft amsl)	TPHg	Benzene	Toulene	Ethylbenzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	Ethano I	1,2-DCA	EDB

Notes:

All volatile organic compounds analyzed using EPA Method 8260B.

Beginning in the first quarter 2008, the carbon range for GRO was changed from C4-C12 to C6-C12.

1,2-DCA = 1,2-Dichloroethane

¹MTBE results are from EPA Method 8260; EPA method 8020 yielded MTBE at HP-1 of 3,800 µg/L and MTBE at HP-2 of 18,000 µg/L

DIPE = Di-isopropyl ether

DTW = Depth to water (ft below top of casing)

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

ft amsl = feet above mean sea level

ft btoc = Feet below top of casing (surveyed)

MTBE = Methyl tert-butyl ether

TAME = Tert-amyl methyl ether

TBA = Tert-butyl alcohol

TPHg = Total Petroleum Hydrocarbons as Gasoline

µg/L = Micrograms per liter

< = Analyte was not detected above the specified method reporting limit

-- = Not measured or analyzed

Table 3: Historical Groundwater Flow Direction and Gradient
BP # 11120
6400 Dublin Blvd, Dublin, CA
Local Case # RO0002431

Sample Date	Approximate Flow Direction	Approximate Hydraulic Gradient (ft/ft)
8/25/1993	southwest	0.002
11/22/1993	southwest	0.002
3/7/1994	south-southwest	0.002
6/9/1994	southwest	0.003
9/12/1994	southwest	0.002
12/20/1994	southwest	0.004
3/16/1995	southwest	0.003
6/28/1995	west	0.005
9/6/1995	southwest	0.002
12/22/1995	southwest	0.005
6/26/1996	southeast	0.01
8/20/1996	west-southwest	0.004
10/31/1996	southwest	0.002
12/2/1996	northeast	0.01
3/27/1997	northeast and southwest	0.0085
6/3/1997	north-northeast	0.008
9/16/1997	north and southeast	0.005
2/25/2002	south	0.009
9/30/2002	south-southwest	0.004
12/30/2002	east-southeast	0.022
3/12/2003	southeast	0.04
6/28/2003	southeast	0.04
9/30/2003	southeast	0.036
12/5/2003	southeast	0.035
3/10/2004	southeast	0.021
6/21/2004	south-southeast	0.034
9/17/2004	east-southeast	0.027
12/31/2004	south-southeast	0.02
3/3/2005	southeast	0.02
6/10/2005	south-southwest	0.004
9/15/2005	southwest	0.004
12/15/2005	southwest	0.007
3/1/2006	west-southwest	0.003
6/23/2006	west-southwest	0.004
9/19/2006	east-southeast	0.012
12/19/2006	east-southeast	0.014
3/29/2007	west-southwest	0.004
6/5/2007	east-southeast	0.012
9/11/2007	west-southwest	0.004
12/26/2007	southeast	0.004
3/25/2008	east-southeast	0.022
6/10/2008	east-southeast	0.018
9/9/2008	southwest	0.003
12/4/2008	west-southwest	0.003
3/5/2009	south-southeast	0.003
6/3/2009	southwest	0.004
9/16/2009	southeast	0.005
10/26/2009	southeast	0.12

Note:
ft/ft = foot per foot

**Table 4: Most Recent Maximum Concentration Detected in Soil and Groundwater Compared to General ESLs
BP # 11120
6400 Dublin Boulevard, Dublin, California
Local Case # RO0002431**

Analyte	Soil ¹				Groundwater				
	Maximum and Most Recent Concentration Observed (mg/kg)	Sample Depth (feet bgs)	Sample Date	Soil Quality ESL ² (mg/kg)	Most Recent Concentration Observed (µg/L)	Sample Date	Maximum Concentration Observed (µg/L)	Sample Date	Commerical Groundwater Quality ESL ³ (µg/L)
TPHg	<0.05	6.5	2/15/2002	83	<50	10/26/2009	5,100	9/30/2003	100
Benzene	<0.005	6.5	2/15/2002	0.044	<0.5	10/26/2009	2.58	2/25/2002	1.0
Toluene	<0.005	6.5	2/15/2002	2.9	0.53	10/26/2009	0.51	10/26/2009	40
Ethylbenzene	<0.005	6.5	2/15/2002	3.3	<0.5	10/26/2009	2.83	2/25/2002	30
Xylenes	<0.005	6.5	2/15/2002	2.3	<1.0	10/26/2009	8.46	2/25/2002	20
MTBE	0.048	6.5	2/15/2002	0.023	46	10/26/2009	22,000	5/14/1999	5.0
TPHd	NA	--	--	0.83	NA	--	NA	--	100

Notes:

¹ Soil results are reported from the vadose zone, which does not exceed 9 feet bgs

² Soil Quality ESL developed considering the protection of (2) human health, (2) ecological receptors and (3) groundwater from the leaching pathway.

³ Groundwater Quality ESL developed considering (1) drinking water standards, (2) protection of aquatic habitats.

TPHg Commerical ESL values are listed as TPH (gasolines) in Table A of *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*

TPHd Commercial ESL values are listed as TPH (middle distillates) in Table A of *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*

bgs = below ground surface

Bold = exceedances Groundwater Quality ESL. Groundwater ESLs considers drinking water criteria.

ESL = Environmental Screening Level

mg/kg = milligrams per kilogram

MTBE = methyl tert-butyl ether

NA = not analyzed

TPHd = Total Petroleum Hydrocarbons as Diesel

TPHg = Total Petroleum Hydrocarbons as Gasoline

< = Analyte was not detected above the specified method reporting limit

**Table 5: Most Recent Maximum Concentration Detected in Soil and
Groundwater Compared to ESLs for Protection of the Worker Receptor
BP # 11120
6400 Dublin Boulevard, Dublin, California
Local Case # RO0002431**

Analyte	Soil ¹				Groundwater					Commercial ESL for the Protection of Indoor Air (µg/L)
	Maximum and Most Recent Concentration Observed (mg/kg)	Sample Depth (feet bgs)	Sample Date	Commercial ESL for the Protection Soil Contact Pathway (mg/kg)	Most Recent Concentratio n Observed (µg/L)	Sample Date	Maximum Concentratio n Observed (µg/L)	Sample Date	Groundwater Quality ESL (µg/L)	
TPHg	<0.05	6.5	2/15/2002	450	<50	10/26/2009	5,100	9/30/2003	100	NA
Benzene	<0.05	6.5	2/15/2002	0.27	<0.5	10/26/2009	2.58	2/25/2002	1.0	1,800
Toluene	<0.05	6.5	2/15/2002	210	0.53	10/26/2009	0.51	10/26/2009	40	530,000
Ethylbenzene	<0.05	6.5	2/15/2002	5	<0.5	10/26/2009	2.83	2/25/2002	30	170,000
Xylenes	<0.05	6.5	2/15/2002	100	<1.0	10/26/2009	8.46	2/25/2002	20	160,000
MTBE	0.048	6.5	2/15/2002	65	46	10/26/2009	22,000	5/14/1999	5.0	80,000

Notes:

TPHg Commercial ESL values are listed as TPH (gasolines) in Table A of *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*

¹ Soil results are reported from the vadose zone, which does not exceed 9 feet bgs

bgs = below ground surface

Bold = exceedances Groundwater Quality ESL. Groundwater ESLs considers drinking water criteria.

ESL = Environmental Screening Level

mg/kg = milligrams per kilogram

MTBE = methyl tert-butyl ether

NA = not analyzed

TPHd = Total Petroleum Hydrocarbons as Diesel

TPHg = Total Petroleum Hydrocarbons as Gasoline

< = Analyte was not detected above the specified method reporting limit



ALISTO ENGINEERING GROUP
LAFAYETTE, CALIFORNIA

LOG OF WELL MW-8

Page 1 of 1

**SEE SITE PLAN
FOR WELL LOCATION**

ALISTO PROJECT NO: 10-170-07

DATE DRILLED: 02/15/02

CLIENT: BP Oil Company

BOREHOLE DIAMETER: 8"

LOCATION: 6400 Dublin Blvd, Dublin

BOREHOLE DEPTH: 21.5 ft

DRILLING METHOD: 8" Hollow-stem auger

CASING DIAMETER: 2"

DRILLING COMPANY: V & W Drilling, Inc.

CASING MATERIAL: PVC

LOGGED BY: Brady Nagle

APPROVED BY: Al Sevilla

BLOMS/8 IN.	PID VALUES	WELL DIAGRAM	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						SM	4" asphalt; 4" base material silty clay dark gray to black damp, stiff; same organics (grass rootlets) Clays change to olive tan at 3 ft
6,14,19	2.0					CL	Same material.
3,4,8				5			
6,7,11	0.2			10			Same, some blue-gray mottling.
4,8,11	0.0			12.5			Some angular gravel to 1/2", diameter from 12 1/2 to 13 1/2; consolidate sand nodules, wet near gravels.
5,7,12	0.0			15			Minor gravel nodules; water encountered at 17 1/2".
4,7,7			17.5				
10,16,20			20				Minor sand at 17 1/2; some carbon granules at 18; water apparent among sand particle; otherwise, moist matrix.
			25				
			30				



ALISTO ENGINEERING GROUP
LAFAYETTE, CALIFORNIA

LOG OF WELL MW-9

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SEE SITE PLAN
FOR WELL LOCATION

ALISTO PROJECT NO: 10-170-07

DATE DRILLED: 02/15/02

CLIENT: BP Oil Company

BOREHOLE DIAMETER: 8"

LOCATION: 6400 Dublin Blvd, Dublin

BOREHOLE DEPTH: 21.5 ft

DRILLING METHOD: 8" Hollow-stem auger

CASING DIAMETER: 2"

DRILLING COMPANY: V & W Drilling, Inc.

CASING MATERIAL: PVC

LOGGED BY: Brady Nagle

APPROVED BY: Al Sevilla

BLONS/6 IN.	PID VALUES	WELL DIAGRAM	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	
						SM	4" asphalt; 6" base material; Sandy Clay, dark gray damp, fine-grained sand.	
3,9,10	0.5						CL	Silty clay; dark gray, damp to moist, very stiff; little to no sand.
4,5,6	0.0			5				Silty clay, light brown with olive-grain mottling, damp stiff mottling along rootlet.
3,2,3				10				Same material, wet, medium stiff, occasional singular consolidated sand nodules to 1/2 diameter. Some coarse grained Sand same, very stiff.
4,7,7				15				
4,7,10			20					
			25					
			30					



LOG OF WELL MW-10

SEE SITE PLAN
FOR WELL LOCATION

ALISTO PROJECT NO: 10-170-07

DATE DRILLED: 02/15/02

CLIENT: BP Oil Company

BOREHOLE DIAMETER: 8"

LOCATION: 6400 Dublin Blvd, Dublin

BOREHOLE DEPTH: 21.5 ft

DRILLING METHOD: 8" Hollow-stem auger

CASING DIAMETER: 2"

DRILLING COMPANY: V & W Drilling, Inc.

CASING MATERIAL: PVC

LOGGED BY: Dave Radabaugh

APPROVED BY: Al Sevilla

BLOWS/0 IN.	PTD VALUES	WELL DIAGRAM	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
3,8,9	1.0	<p>2" diameter Sch. 40 PVC Casing 2" diameter 0.010" Slot PVC Screen Lonestar # 2/12 Sand Bentonite Grout</p>	5			SH	4" asphalt; 4" base material silty clay, brown with rust mottling, moist; stiff rootlets + nodules.
3,2,5	0.5		10			CL	Silty clay, dark grey, damp, stiff, some organics.
3,5,5			15				Same material, wet, stiff.
4,7,9			20				Same material becoming very stiff.
			25				
			30				



ALISTO ENGINEERING GROUP
LAFAYETTE, CALIFORNIA

LOG OF WELL MW-11

Page 1 of 1

**SEE SITE PLAN
FOR WELL LOCATION**

ALISTO PROJECT NO: 10-170-07

DATE DRILLED: 02/19/02

CLIENT: BP Oil Company

BOREHOLE DIAMETER: 8"

LOCATION: 6400 Dublin Blvd, Dublin

BOREHOLE DEPTH: 21.5 ft

DRILLING METHOD: 8" Hollow-stem auger

CASING DIAMETER: 2"

DRILLING COMPANY: V & W Drilling, Inc.

CASING MATERIAL: PVC

LOGGED BY: D. J. B.

APPROVED BY: Al Sevilla

BLOMS/6 IN.	PID VALUES	WELL DIAGRAM	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
6.11.11	0		5			CL	Asphalt.
6.7.11	0		10			Same material, Color to grey.	
4.7.10	0		15			Same material.	
4.7.7	0		20			Same material becoming very stiff.	
			25				
			30				