S. T. Hooton
Team Leader
Environmental Remediation Management

BP OIL

BP Exploration & Oil Inc.
295 SW 41st Street, Bldg., 13, STE N
Renton, WA 98055-4931
Phone: 425-251-0689
Fax: 425-251-0736

January 7, 2000

MtBE at 1500ppb

Alameda County Health Care Services Agency
Attention Ms. Eva Chu
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: BP Oil Site No. 11116
Village Parkway (at 7197) and Amador Valley
Dublin, CA

Dear Ms. Chu:

This transmits the *Tank Cavity Well Sampling* report, dated 7 December 1999. The report describes the sampling of a sump installed in an excavation dug to remove the gasoline dispensing system at the above-captioned location. Based on these data, I ask that the Alameda County Health Care Services Agency make a finding for no further action and case closure. Please call (425) 251-0689 if you have questions.

Sincerely,

Scott Hooton

attachment

cc: Brady Nagle - Alisto
CRWQCB, 1515 Clay Street, STE 1400, Oakland, CA 94612
D. Camille - Tosco (w/attachment)

ALISTO ENGINEERING GROUP

December 7, 1999

Mr. Scott Hooton
BP Amoco Company
Environmental Resources Management
295 S.W. 41st Street, Bldg. 13, Suite N
Renton, Washington 98055

10-017-10-001

Subject: Tank Cavity Well Sampling
Former BP Site No. 11116
7197 Village Parkway
Dublin, California

Dear Mr. Hooton:

Alisto Engineering Group is pleased to submit this report on sampling of the tank cavity well at former BP Site No. 11116, 7197 Village Parkway, Dublin, California. A site plan is attached.

On November 9, 1999, a groundwater sample was collected from Tank Cavity Well TC-1 for laboratory analysis. Before sample collection, the well was purged of 3 casing volumes while recording field readings of pH, temperature, electrical conductivity, and dissolved oxygen. The groundwater samples were collected for laboratory analysis by lowering a bottom-fill, disposable bailer to just below the water level in the well. The samples were transferred from the bailer into laboratory-supplied containers.

The results of monitoring and laboratory analysis of the groundwater sample collected from Well TC-1 are as follows:

Well ID	Depth to Water	TPH-G	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	Dissolved Oxygen
TC-1	12.71	ND<200	ND<0.3	0.58	0.48	1.06	1400	1500	5.2

(Results are reported in micrograms per liter.)

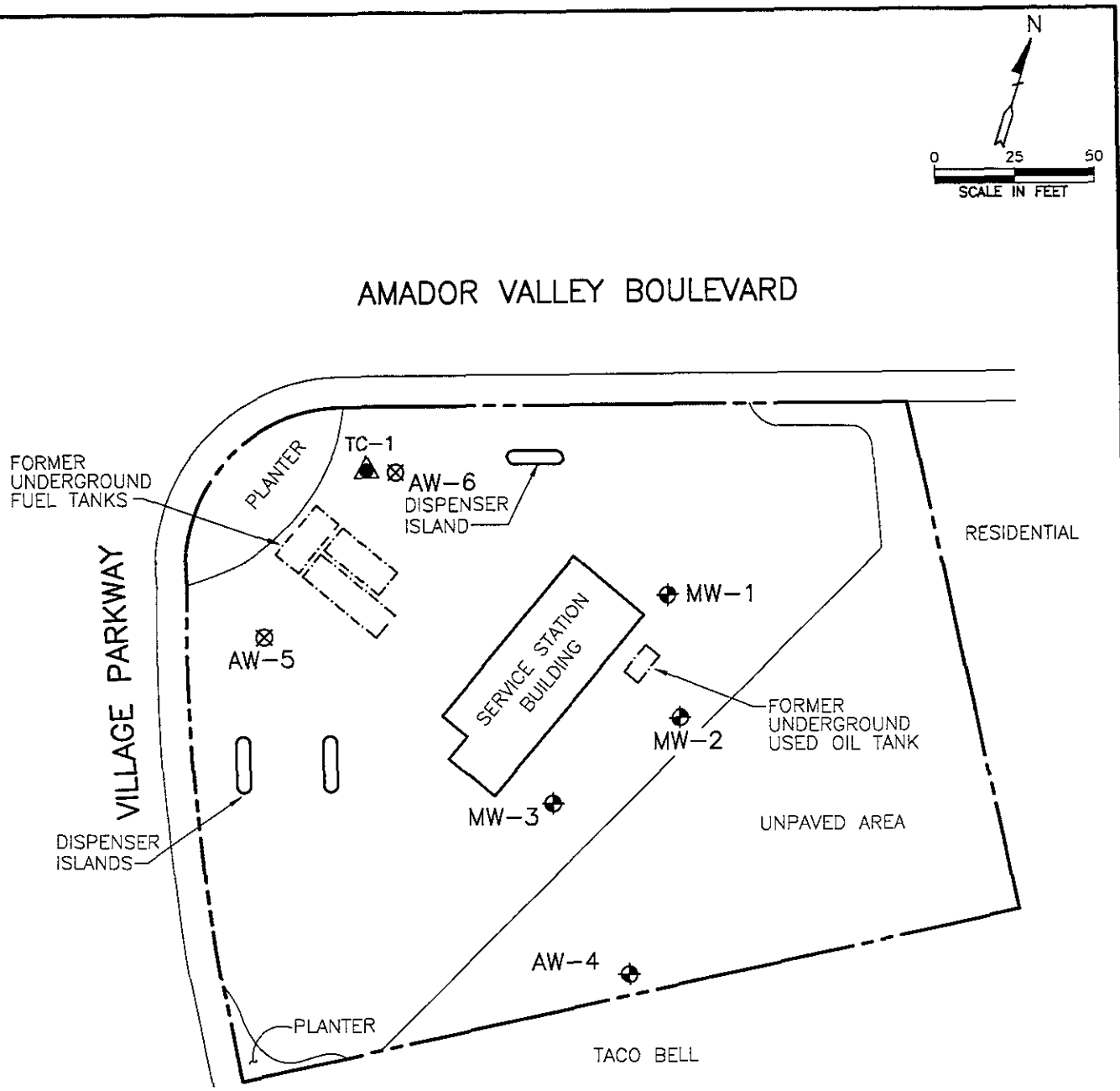
The water sampling field survey form, laboratory report, and chain of custody record are attached. Please call if you have questions or comments.

Sincerely,

ALISTO ENGINEERING GROUP

Brady Nagle
Project Manager

1575 TREAT BOULEVARD, SUITE 201 • WALNUT CREEK, CA 94598 • (925) 295-1650 • FAX (925) 295-1823
CONTRACTORS LICENSE NO. A-652544



LEGEND

- GROUNDWATER MONITORING WELL
- DESTROYED WELL
- TANK CAVITY WELL

SITE PLAN

BP OIL SERVICE STATION NO. 11116
7197 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

PROJECT NO. 10-017

ALISTO ENGINEERING GROUP
WALNUT CREEK CALIFORNIA

ALISTO

ENGINEERING
GROUP
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK CA 94598 (510) 295-1650 FAX 295-1823

Field Report / Sampling Data Sheet

Project No. 10-017-10-001 Date: 11-9-95
Address 7197 Village Parkway Day: M T W TH F
Contract No. J204468 City: Dublin
Station No. BP 11116 Sampler: DTB

DEPTH TO GROUNDWATER SUMMARY

WELL ID	SAMPLE ID	WELL DIAM	TOTAL DEPTH	DEPTH TO WATER	PRODUCT THICKNESS	TIME MONITORED	COMMENTS:
TC-1		6"	17'	12.71		1030	Tank Cavity well
							site appears "ok"

FIELD INSTRUMENT CALIBRATION DATA

pH METER AQ ✓ 4.00 X 7.00 X 10.00 X TEMPERATURE COMPENSATED (Y) N TIME 1020 WEATHER

D.O. METER ZERO d.O. SOLUTION yes BAROMETRIC PRESSURE TEMP

CONDUCTIVITY METER ~~10,000~~ 4 pt TURBIDITY METER None 5.0 NTU OTHER

Well ID	Depth to Water	Diam	Cap/Lock	Product Dept	Iridescence	Gal.	Time	Temp *F	pH	E.C.	D.O.
TC-1	12.71	6"	ok/NO	None	Y (N)	5	1042	29.6	6.58	3.59 mS/cm	3.7
						21	1050	29.9	6.59	3.47	4.8
						31	1055	29.9	6.60	3.41	5.7
						41	1100	29.9	6.60	3.40	5.2

Total Depth - Water Level = x Well Vol. Factor = x#vol. to Purge = PurgeVol.
17 - 12.7 = 4.3 x 1.5 x 3 = 22qal

Purge Method ~~Surface~~ Pump ODisp.Tube OWinch ~~O~~Disp. Baller(s)___ OSys Port

Comments 2 GPM — 12V Submersible

O EPA 601___
(X) TPH-G/BTEX HC
O TPH Diesel___
O TOG 5520 ___
TIME/SAMPLE ID

Well ID	Depth to Water	Diam	Cap/Lock	Product Dept	Iridescence	Gal.	Time	Temp *F	pH	E.C.	D.O.
					Y N						

Total Depth - Water Level = x Well Vol. Factor = x#vol. to Purge = PurgeVol.

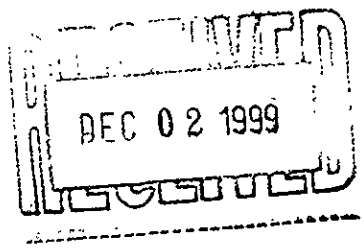
Purge Method OSurface Pump ODisp.Tube OWinch ODisp. Baller(s)___ OSys Port

Comments

O EPA 601___
O TPH-G/BTEX___
O TPH Diesel___
O TOG 5520 ___
TIME/SAMPLE ID

Pace Analytical Services, Inc.
3970 Gilman St.
Long Beach, CA 90815
Tel: 562-498-9515
Fax: 562-597-0786

Pace Analytical



November 29, 1999

Mr. BRADY NAGLE
ALISTO ENGINEERING
1575 TREAT BLVD #201
WALNUT CREEK, CA 94598

RE: Pace Project Number: 6035923
Client Project ID: BP 11116

Dear Mr. NAGLE:

Enclosed are the results of analyses for sample(s) received November 10, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lily Bayati

Lily Bayati
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3970 Gilman St.
Long Beach, CA 90815
Tel: 562-498-9515
Fax: 562-597-0786

Pace Analytical

DATE: 11/29/99
PAGE: 1

ALISTO ENGINEERING
1575 TREAT BLVD #201
WALNUT CREEK, CA 94598

Pace Project Number: 6035923
Client Project ID: BP 11116

Attn: Mr. BRADY NAGLE
Phone: (925)295-1650

Solid results are reported on a wet weight basis

Pace Sample No: 603031063 Date Collected: 11/09/99 Matrix: Water
Client Sample ID: TC-1 Date Received: 11/10/99

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Long Beach Laboratory							
GAS BTEX by 8015m/8020, Water		Method: EPA 8015m/8020					
Gasoline	ND	ug/l	200	11/11/99	VN		1
Benzene	ND	ug/l	0.3	11/11/99	VN	71-43-2	
Toluene	0.58	ug/l	0.3	11/11/99	VN	108-88-3	
Ethylbenzene	0.48	ug/l	0.3	11/11/99	VN	100-41-4	
Xylenes (Total)	1.06	ug/l	0.6	11/11/99	VN		
Methyl-tert-butyl Ether	1400	ug/l	75	11/11/99	VN	1634-04-4	
a,a,a-Trifluorotoluene (S)	112	%		11/11/99	VN	2164-17-2	
GC/MS VOCs by 8260		Method: EPA 8260			Prep Method: EPA 8260		
Methyl-tert-butyl Ether	1500	ug/l	250	11/16/99	RG	1634-04-4	
Dibromofluoromethane (S)	92	%		11/16/99	RG	1868-53-7	
Toluene-d8 (S)	94	%		11/16/99	RG	2037-26-5	
4-Bromofluorobenzene (S)	132	%		11/16/99	RG	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3970 Gilman St.
Long Beach, CA 90815
Tel: 562-498-9515
Fax: 562-597-0786

Pace Analytical

Pace Project Number: 6035923
Client Project ID: BP 11116

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
(S)	Surrogate
[1]	Solvent Peak Present

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3970 Gilman St.
Long Beach, CA 90815
Tel: 562-498-9515
Fax: 562-597-0786

Pace Analytical

QUALITY CONTROL DATA

ALISTO ENGINEERING
1575 TREAT BLVD #201
WALNUT CREEK, CA 94598

Pace Project Number: 6035923
Client Project ID: BP 11116

Attn: Mr. BRADY NAGLE
Phone: (925)295-1650

QC Batch ID: 73542
Analysis Method: EPA 8015m/8020
Associated Pace Samples: 603031063

QC Batch Method: EPA 8015m/8020
Analysis Description: GAS BTEX by 8015m/8020, Water

METHOD BLANK: 603041203
Associated Pace Samples: 603031063

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline	ug/l	ND	200	
Benzene	ug/l	ND	0.3	
Toluene	ug/l	ND	0.3	
Ethylbenzene	ug/l	ND	0.3	
Xylenes (Total)	ug/l	ND	0.6	
Methyl-tert-butyl Ether	ug/l	ND	0.6	
a,a,a-Trifluorotoluene (S)	%	110		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 603041237 603041245

Parameter	Units	603031345	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Gasoline	ug/l	0	40	49.90	125	49.00	122	2	
Benzene	ug/l	1.517	6.667	8.460	104	8.880	110	6	
Toluene	ug/l	3.048	6.667	8.400	80.3	8.940	88.4	10	
Ethylbenzene	ug/l	1.850	6.667	7.540	85.4	7.840	89.9	5	
Xylenes(Total)	ug/l	3.33	20.00	16.75	83.75	17.32	86.6	4	
Methyl-tert-butyl Ether	ug/l	0	6.667	7.040	106	7.350	110	4	
a,a,a-Trifluorotoluene (S)					152		167		1,1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3970 Gilman St.
Long Beach, CA 90815
Tel: 562-498-9515
Fax: 562-597-0786

Pace Analytical

QUALITY CONTROL DATA

Pace Project Number: 6035923
Client Project ID: BP 11116

LABORATORY CONTROL SAMPLE & LCSD: 603041211 603041229

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Gasoline	ug/l	40	43.00	108	44.80	112	4	
Benzene	ug/l	6.667	6.160	92.4	6.730	101	9	
Toluene	ug/l	6.667	6.380	95.7	6.830	102	6	
Ethylbenzene	ug/l	6.667	6.760	101	7.010	105	4	
Xylenes(Total)	ug/l	20.00	19.63	98	20.72	104	6	
Methyl-tert-butyl Ether	ug/l	6.667	6.430	96.5	7.070	106	9	
a,a,a-Trifluorotoluene (S)				94		99		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3970 Gilman St.
Long Beach, CA 90815
Tel: 562-498-9515
Fax: 562-597-0786

Pace Analytical

QUALITY CONTROL DATA

ALISTO ENGINEERING
1575 TREAT BLVD #201
WALNUT CREEK, CA 94598

Pace Project Number: 6035923
Client Project ID: BP 11116

Attn: Mr. BRADY NAGLE
Phone: (925)295-1650

QC Batch ID: 73593
Analysis Method: EPA 8260
Associated Pace Samples: 603031063

QC Batch Method: EPA 8260
Analysis Description: GC/MS VOCs by 8260

METHOD BLANK: 603042920
Associated Pace Samples: 603031063

Parameter	Units	Method Blank Result	PRL	Footnotes
Methyl-tert-butyl Ether	ug/l	ND	5	
Dibromofluoromethane (S)	%	94		
Toluene-d8 (S)	%	98		
4-Bromofluorobenzene (S)	%	120		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 603042946 603042953

Parameter	Units	603027780	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Dibromofluoromethane (S)					94		96		
Toluene-d8 (S)					96		96		
4-Bromofluorobenzene (S)					118		121		

LABORATORY CONTROL SAMPLE: 603042938

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Dibromofluoromethane (S)				95	
Toluene-d8 (S)				93	
4-Bromofluorobenzene (S)				120	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3970 Gilman St.
Long Beach, CA 90815
Tel: 562-498-9515
Fax: 562-597-0786

Pace Analytical

Pace Project Number: 6035923
Client Project ID: BP 11116

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	Matrix Effect

REPORT OF LABORATORY ANALYSIS

15558A

6035923

CHAIN OF CUSTODY

No. 096035

Page 1 of 1

CONSULTANT'S NAME: ALISTO	CONSULTANT'S ADDRESS: 1575 TREAT BLVD, 201 Walnut Creek CA 94598	
BP SITE NUMBER: BP11116	BP SITE / FACILITY ADDRESS: 7197 Village Pkwy, Dublin	CONSULTANT PROJECT NUMBER: 10-17-10-J
CONSULTANT PROJECT MANGER: Brady Nagle	PHONE NUMBER: 925-295-1650	FAX NUMBER: 295-1823 / CONSULTANT CONTRACT NUMBER: J204468
BP CONTACT: Scott Hooton	BP ADDRESS	PHONE NUMBER / FAX NO.
LAB CONTACT: PACE	LABORATORY ADDRESS: 3970 Gilman St. Long Beach CA 90815	PHONE NUMBER: 562-498-9515 / FAX NO.
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name) / DATE/TIME	SHIPMENT DATE / SHIPMENT METHOD / AIRBILL NUMBER

TAT [ ] 24 Hours [ ] 48 Hours [ ] 72 Hours [X] Standard 7 or 14 Days

ANALYSIS REQUIRED

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	TPH G/BTEX MTBE (8020) + MTBE (8260)	COMMENTS
TC-1	11/9/99	1100	W	6	VOA		X	

SAMPLED BY (Please Print Name)

SAMPLED BY (Signature)

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY /AFFILIATION (Print Name / Signature)	DATE	TIME
DJSL / ALISTO	11/9/99	1:30AM	Zachary Leonard	11/9/99	1:30PM
Zachary Leonard	11-9-99	12:30PM	KINDA NUEYTONG	11/10/99	8:40

CLV 1572**A (2-97)
PKG #0

DISTRIBUTION: WHITE - ORIGINAL (WITH DATA) YELLOW - BP PINK - LAB BLUE - CONSULTANT FIELD STAFF

BP EXPLORATION & OIL, INC.
ENVIRONMENTAL RESOURCES MANAGEMENT
DATA REVIEW CHECKLIST

BP Site Number:	11116
ERM Contract:	J204468
Sampling Date:	11/9/99
Matrix Description:	Water
Date Final Report Received:	12/2/99
Laboratory & Location:	Pace, Long Beach, CA

		Yes	No	N/A
1.	Is BP contract release number consistent with analytical report?	X		
2.	Was report submitted within the specified timeframe?	See Below		
3.	Does report agree with the COC?	X		
4.	Are units consistent with the given matrix?	X		
5.	Were any target analytes/compounds detected in blanks (i.e., trip or equipment)?			X
6.	Are duplicate water samples within 30%?	X		
7.	Are holding times met?	X		
8.	Are surrogates within limits using laboratory criteria?	X		
9.	Are MS/MSD acceptable using laboratory criteria?	X		
10.	Are LCS results acceptable using laboratory criteria?	X		

The sample was collected on 11/9/99 and submitted to the laboratory on 11/10/99. The faxed results were received on 11/29/99 and the final report on 12/2/99.

Data Validation Completed by: Brady Nagle

(signature): [signature]

Date: 12/3/99