ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RO2954

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

StID 4103

June 10, 1997

Ms. Marla Guensler
Exxon Co
P.O. Box 4032
Concord, CA 94524-2032

Re: Fuel Leak Site Case Closure for Exxon Service Station 7-6210, at 7840 Amador Valley Blvd, Dublin , CA 94568

Dear Mr. Fuetsch:

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 Protection Division 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:

- 300ppm TPHg and 0.68ppm benzene remain in soil (~16'bgs) beneath the former tanks.

If you have any questions, please contact me at (510) 567-6762.

eva chu
Hazardous Materials Specialist

enlosure:
1. Case Closure Letter
2. Case Closure Summary

c: Dennis Carrington, City of Dublin, PO Box 2340, Dublin 94568
files (exxon1.5)

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REMEDIAL ACTION COMPLETION CERTIFICATION

StID 4103 - 7840 Amador Valley Blvd, Dublin, CA
(3-8,000 gallon gasoline tanks removed on October 30, 1991)

June 9, 1997

Ms. Marla Guensler
Exxon Co.
P.O. Box 4032
Concord, CA 94524-2032

Dear Ms. Guensler:

This letter confirms the completion of 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 tanks 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, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

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

Sincerely,

Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with attachment-case closure summary)
Cheryl Gordon, UST Cleanup Fund
files-ec (exxon1.4)

R02954

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: February 29, 1996**

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pkwy**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Eva Chu** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Exxon Service Station 7-6210**
Site facility address: **7840 Amador Valley Blvd, Dublin 94568**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **4103**
URF filing date: **11/4/91** SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Exxon Co.	**P.O. Box 4032**	**510/246-8776**
Attn. Marla Guensler	**Concord, CA 94524-2032**	

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	8,000	Gasoline	Removed	10/30/91
2	8,000	"	"	"
3	8,000	"	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Leaking USTs**
Site characterization complete? **YES**
Date approved by oversight agency: **2/23/93**
Monitoring Wells installed? **Yes** Number: **4**
Proper screened interval? **Yes, 11 to 24' bgs in MW-1**
Highest GW depth below ground surface: **10.74'** Lowest depth: **15.69'** in **MW-1**
Flow direction: **Southeast**
Most sensitive current use: **Commercial**
Are drinking water wells affected? **No** Aquifer name: **Dublin Subbbasin**
Is surface water affected? **No** Nearest affected SW name: **NA**
Off-site beneficial use impacts (addresses/locations): **None**

Report(s) on file? **YES** Where is report(s) filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank & Piping	3 USTs	Erickson, in Richmond	10/30/91
Rinseate	444 gal.	Gibson Oil, in Redwood City	10/21, 30/91
Soil	700 cy	BFI, in Livermore	11/11/91

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm) Before	Soil (ppm) After	Water (ppb) Before	Water (ppb) After
TPH (Gas)	1,000	300	2,600	ND
TPH (Diesel)	ND	ND	NA	NA
Benzene	1.2	0.68	3.1	ND
Toluene	8.8	0.60	1.2	ND
Ethylbenzene	17	5.70	1.8	ND
Xylenes	98	21	4.1	ND
Oil & Grease				
Heavy metals	Organic Pb	.25[1]		
Other				

NOTE: From boring MW-1 at 11' bgs

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**
Does corrective action protect public health for current land use? **YES**
Site management requirements: **None**

Should corrective action be reviewed if land use changes? **YES**
Monitoring wells Decommissioned: **None, pending site closure.**
Number Decommissioned: **0** Number Retained: **4**
List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: Eva Chu Date: 3/1/96

Reviewed by

Name: **Dale Klettke** Title: **Haz Mat Specialist**

Signature: Dale Klettke Date: 3/1/96

Name: **Amy Leech** Title: **Haz Mat Specialist**

Signature: Amy Leech Date: 2/29/96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 3/4/96 RB Response: Approved

RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature: Kevin Graves Date: 3/7/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

A service station is currently operating at the site. In October 1991 three 8K single-walled steel USTs (and their piping) were removed from a common pit. The USTs were replaced with new 12K double-walled fiberglass reinforced tanks which were installed in an adjacent pit. (See Fig 1.)

When the steel USTs were removed, holes were noted in two of the unleaded tanks. Eight soil samples (TG1 through TG8) were collected at 12 to 15' bgs; sic from native soil beneath the USTs, and one each from the northeast and southwest walls. Samples TG2 and TG4, from the southeast wall of the pit, exhibited elevated levels of petroleum hydrocarbons. The pit was overexcavated to a depth of 16'. Three soil samples (TG9 through TG11) were collected. Sample TG9 exhibited up to 300 ppm TPH-G, and 0.68, 0.60, 5.7, and 21 ppm BTEX, respectively. No further excavation was done since the edge of the pit was near the canopy footings and groundwater was encountered. Analytical results of soil samples collected from soil removed from the new pit excavation were non-detect for TPH-G and BTEX; therefore, this soil was used as backfill for the old tank pit. Soil samples (PL1 through PL6) collected beneath the pump island did not contain TPH-G or BTEX. (See Fig 2, Table 1.)

In May 1992 four groundwater monitoring wells (MW-1 through MW-4) were installed to delineate the extent of soil and groundwater contamination at the site. Soil samples collected from each boring did not contain petroleum hydrocarbons. It appears residual soil contamination is limited to the vicinity of the former UST excavation and should pose no risk to human health. Groundwater has been sampled 11 times and has only exhibited trace levels of BTEX (up to 3.1 ppb). Continued sampling is not warranted. (See Fig 3, Table 2.)

exxon1.2

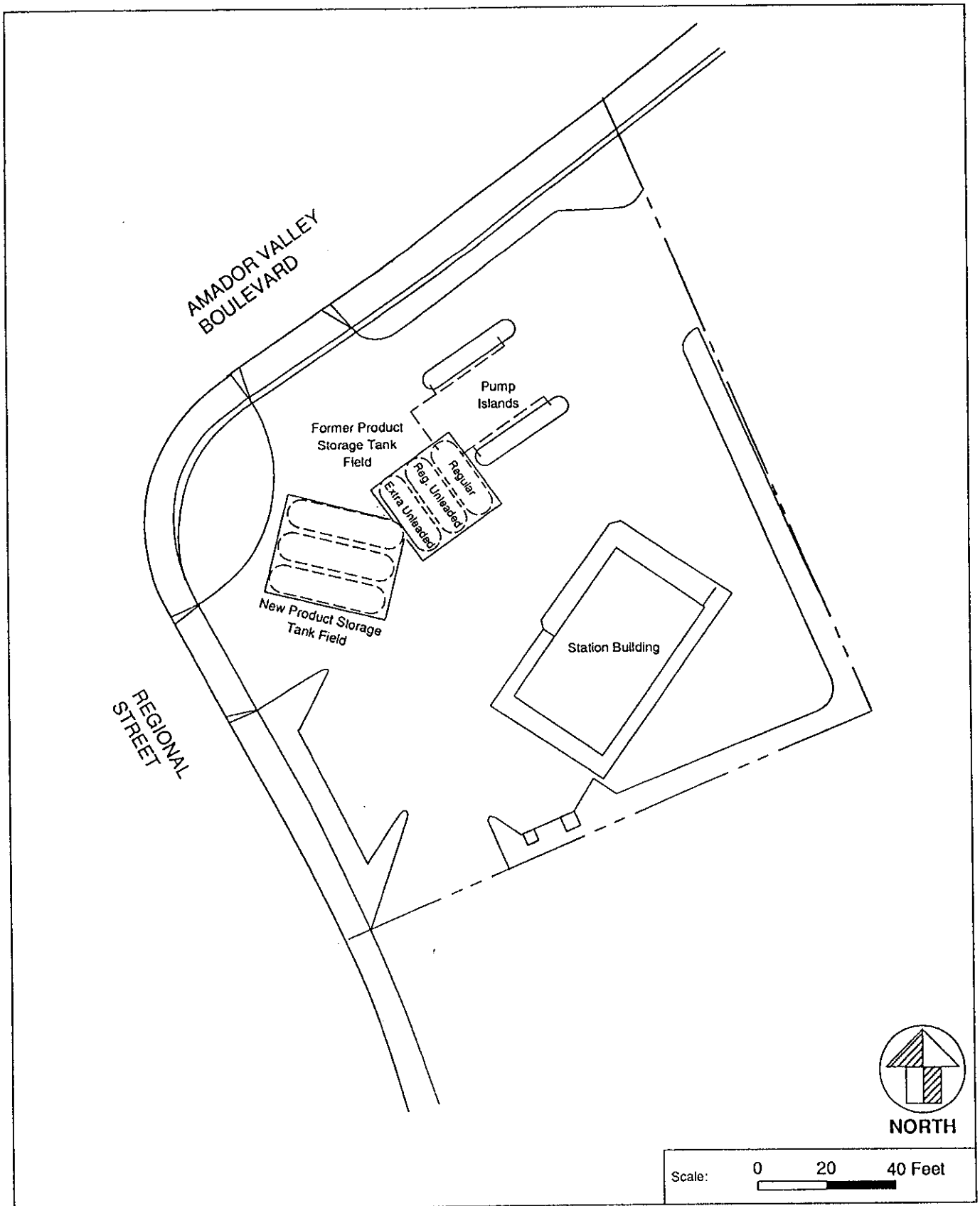

Figure 1 Location of the new product storage tank field, Exxon RS 7-0210, 7840 Amador Valley Road, Dublin, California.

Drawn	RK	Date	11/18/91
Reviewed		Date	22 Jan 92
Rev. 1		Date	
Final		Date	

ENVIRONMENTAL SERVICES
Western Division

MDRW/7-0210/ROI/NOV91

SITE PLAN

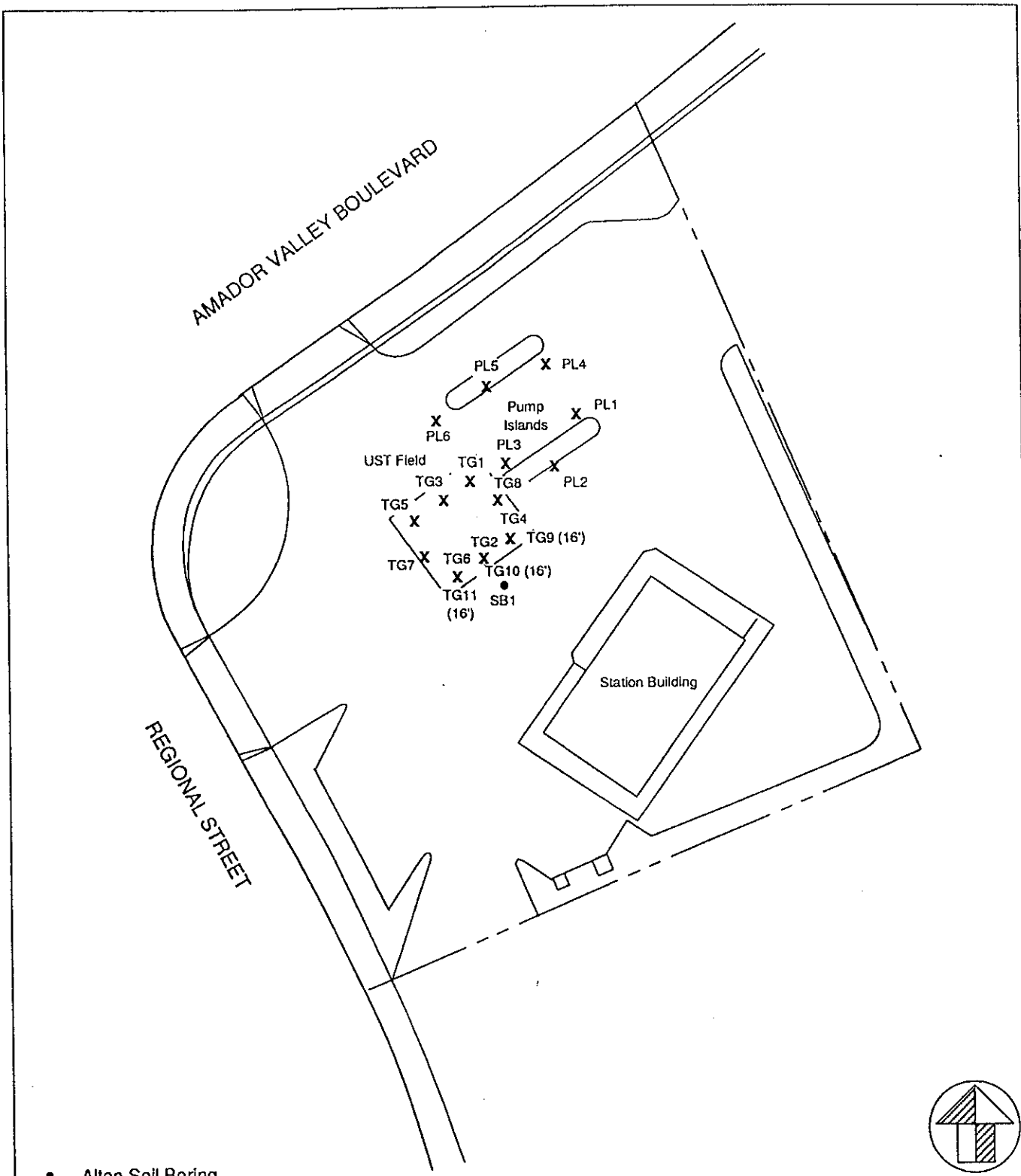

Figure 4.2 Location of soil boring SB1 (16 October 1991) and soil closure samples collected from the former product storage tank field and piping trenches (30 October 1991), Exxon RS 7-0210, Dublin, California.

Drawn	RK	Date	6/10/92
Reviewed		Date	
Rev. 1		Date	
Final	TRW	Date	28 Oct 92

MDRW/7-0210/ROI/JUN92

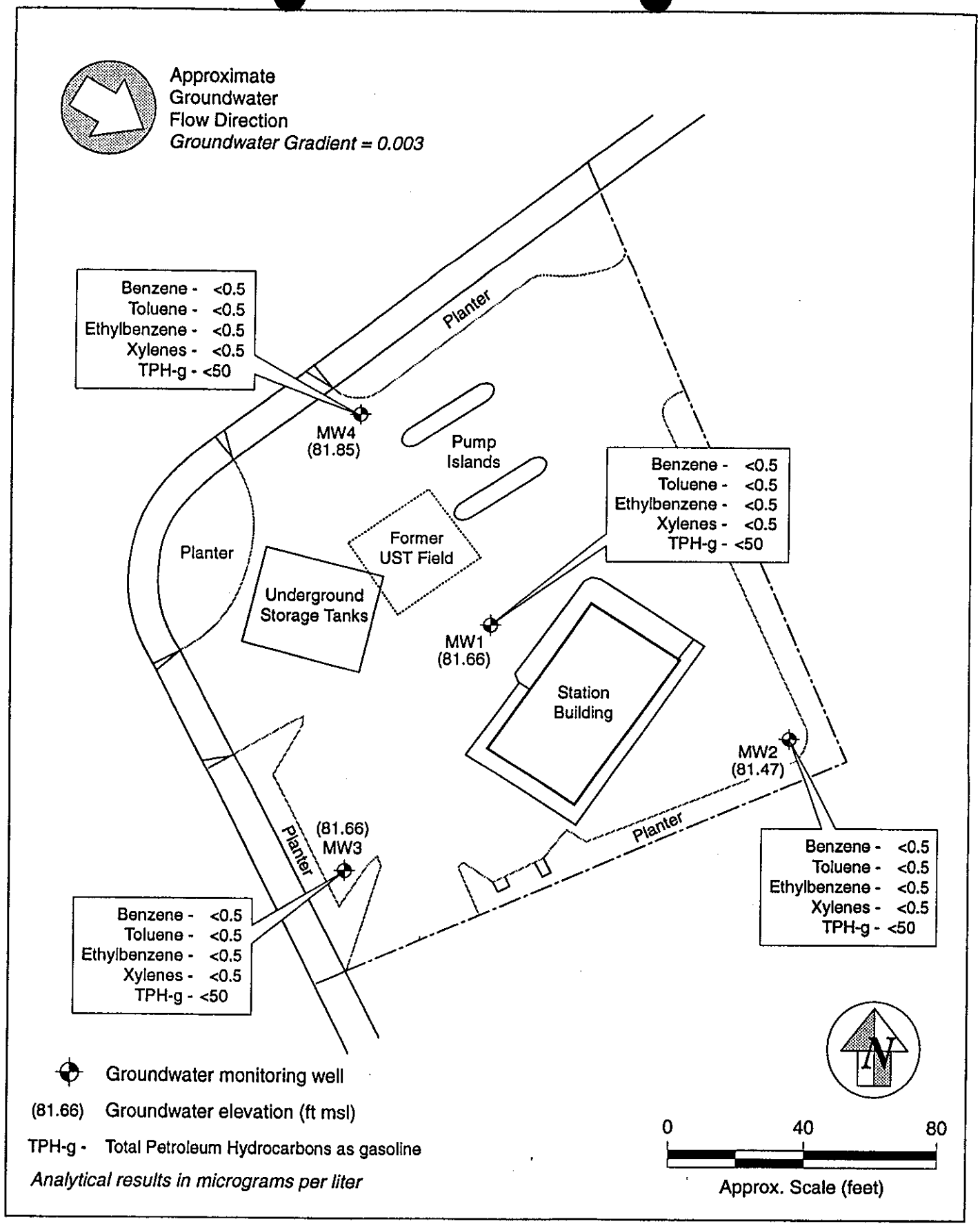

Figure 3 Groundwater monitoring well locations, approximate groundwater flow direction, and analytical results, Exxon RS 7-0210, Dublin, California, 4 January 1995.

Drawn	MAP	Date	1/13/95
Reviewed		Date	
Rev		Date	
Final		Date	1/27/95

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TABLE 3\ CONCENTRATIONS (mg/kg) OF PETROLEUM HYDROCARBONS IN SOIL CLOSURE SAMPLES COLLECTED FROM THE FORMER TANK PIT (TG) AND PRODUCT LINES (PL), EXXON RS 7-0210, DUBLIN, CALIFORNIA, 30 OCTOBER 1991

Sample No.	Depth (feet)	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d
TG1	12	<0.005	<0.005	0.009	0.007	<1.0	NA
TG2	13	0.25	0.75	3.2	14	440	<5.0
TG3	15	0.023	0.074	0.064	0.21	7.5	NA
TG4	14	1.2	8.8	17	98	1,000	<5.0
TG5	15	0.025	<0.005	0.037	0.044	13	NA
TG6	14	0.046	<0.005	0.13	0.075	21	<5.0
TG7	13	<0.005	<0.005	<0.005	0.038	<1.0	NA
TG8	15	<0.005	<0.005	<0.005	<0.005	<1.0	NA
TG9	16	0.68	0.69	5.7	21	300	NA
TG10	16	0.010	<0.005	0.052	0.13	2.8	NA
TG11	16	<0.005	<0.005	<0.005	<0.005	<1.0	<5.0
PL1	2.5	<0.005	<0.005	<0.005	<0.005	<1.0	NA
PL2	2.5	<0.005	<0.005	<0.005	<0.005	<1.0	NA
PL3	2.5	<0.005	<0.005	<0.005	<0.005	<1.0	NA
PL4	2.5	<0.005	<0.005	<0.005	<0.005	<1.0	NA
PL5	2.5	<0.005	<0.005	<0.005	<0.005	<1.0	NA
PL6	2.5	<0.005	<0.005	<0.005	<0.005	<1.0	NA

NA Not analyzed for this constituent.

TABLE 2. GAUGING DATA AND ANALYTICAL RESULTS, EXXON RS 7-0210, DUBLIN, CALIFORNIA, 1992-1995

Well No.	Date	Casing Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)	LPH Thickness (ft)	Concentration (µg/L)				
						Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g
MW1	05/21/92	96.32	14.45	81.87	0.00	<0.5	<0.5	<0.5	<0.5	<50
	02/10/93		12.22	84.10	0.00	3.1	<0.5	1.8	0.6	2,600
	05/20/93		10.74	85.58	0.00	1.9	<0.5	1.8	<1.0	1,000
	06/23/93		11.74	84.58	0.00	1.0	<0.5	1.2	<0.5	1,300
	08/23/93		12.72	83.60	0.00	<0.5	<0.5	<0.5	0.8	80
	10/25/93		13.99	82.33	0.00	<0.5	<0.5	0.8	1.3	140
	02/16/94		14.90	81.42	0.00	<0.5	<0.5	<0.5	<0.5	<50
	04/16/94		14.49	81.83	0.00	<0.5 *	<0.5	<0.5	<0.5	190
	07/26/94		15.11	81.21	0.00	<0.5 *	<0.5	<0.5	<0.5	130
	10/05/94		15.69	80.63	0.00	<0.5	<0.5	<0.5	<0.5	<50
	01/04/95		**14.66**	**81.66**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**
MW2	05/21/92	95.91	14.30	81.61	0.00	<0.5	<0.5	<0.5	<0.5	<50
	02/10/93		12.34	83.57	0.00	<0.5	<0.5	<0.5	<0.5	<50
	05/20/93		10.73	85.18	0.00	<0.5	<0.5	<0.5	<1.0	320
	06/23/93		11.74	84.17	0.00	<0.5	<0.5	<0.5	<0.5	130
	08/23/93		12.60	83.31	0.00	<0.5	<0.5	<0.5	1.1	140
	10/25/93		13.86	82.05	0.00	<0.5	<0.5	0.5	2.4	75
	02/16/94		14.73	81.18	0.00	<0.5	<0.5	<0.5	<0.5	<50
	04/16/94		14.33	81.58	0.00	<0.5	<0.5	<0.5	<0.5	<50
	07/26/94		14.96	80.95	0.00	<0.5	<0.5	<0.5	<0.5	<50
	10/05/94		15.49	80.42	0.00	<0.5	<0.5	<0.5	<0.5	<50
	01/04/95		**14.44**	**81.47**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**
MW3	05/21/92	97.95	16.05	81.90	0.00	<0.5	<0.5	<0.5	<0.5	<50
	02/10/93		13.77	84.18	0.00	<0.5	<0.5	<0.5	0.7	<50
	05/20/93		12.32	85.63	0.00	<0.5	<0.5	<0.5	<1.0	<50
	06/23/93		13.34	84.61	0.00	<0.5	<0.5	<0.5	<0.5	<50
	08/23/93		14.30	83.65	0.00	2.3	1.2	1.4	4.1	<50
	10/25/93		15.62	82.33	0.00	NS	NS	NS	NS	NS
	02/16/94		16.48	81.47	0.00	NS	NS	NS	NS	NS
	04/16/94		16.61	81.34	0.00	NS	NS	NS	NS	NS

TABLE 2 (continued)

Well No.	Date	Casing Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)	LPH Thickness (ft)	Concentration (µg/L)				
						Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g
MW3	07/26/94	97.95	16.72	81.23	0.00	<0.5	<0.5	<0.5	<0.5	<50
	10/05/94		17.33	80.62	0.00	<0.5	<0.5	<0.5	<0.5	<50
	01/04/95		**16.29**	**81.66**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**
MW4	05/21/92	96.69	14.59	82.10	0.00	<0.5	<0.5	<0.5	<0.5	<50
	02/10/93		12.30	84.39	0.00	<0.5	<0.5	<0.5	<0.5	<50
	05/20/93		10.75	85.94	0.00	1.4	1.0	<0.5	1.8	<50
	06/23/93		11.78	84.91	0.00	<0.5	<0.5	<0.5	<0.5	<50
	08/23/93		12.82	83.87	0.00	<0.5	<0.5	<0.5	0.8	<50
	10/25/93		14.10	82.59	0.00	NS	NS	NS	NS	NS
	02/16/94		15.02	81.67	0.00	<0.5	<0.5	<0.5	<0.5	<50
	04/16/94		14.61	82.08	0.00	NS	NS	NS	NS	NS
	07/26/94		15.23	81.46	0.00	<0.5	<0.5	<0.5	<0.5	<50
	10/05/94		15.85	80.84	0.00	<0.5	12	<0.5	<0.5	<50
	01/04/95		**14.84**	**81.85**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**
Trip Blank	**01/04/95**					**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**
Rinse Blank	**01/04/95**					**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**

* A peak eluting earlier than benzene, suspected to be methyl tertiary butyl ether (MTBE).
NS Not sampled.

LETTER OF TRANSMITTAL

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

EA West
3468 Mt. Diablo Boulevard, Suite B-100
Lafayette, California 94549

Tel: (510) 283-7077
Fax: (510) 283-3894

TO:

Eva Chu

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502

DATE: 5 June 1997		
PROJECT NO.	TASK	DEPT
5180210		2161
RE: letter report documenting well abandonments at Exxon RS 7-0210		

ENCLOSED ARE THE FOLLOWING ITEMS:

NO. COPIES	DESCRIPTION
1	Copy of EA's 8 April 1996 letter report documenting the destruction of four groundwater monitoring wells at Exxon RS 7-0210.

THESE ARE TRANSMITTED AS CHECKED BELOW:

☐ For your use ☒ As requested ☐ For review and comment ☐ For your information

☐ Other: _____

MESSAGE:

COPY TO Marla Guensler, Exxon

SIGNED Diana Conkle

Diana Conkle

Sent via:

☐ Federal Express Priority ☐ Federal Express Standard ☐ Federal Express 2-Day ☐ Express Mail
☐ Priority Mail ☐ Hand delivery by EA ☐ Courier Service ☐ UPS Ground
☑ Regular Mail
☐ Other _____

EA Engineering, Science, and Technology

3468 Mt. Diablo Boulevard
Suite B-100
Lafayette, CA 94549
Telephone: 510-283-7077
Fax: 510-283-3894

8 April 1996

Craig A. Mayfield
Alameda County Flood Control and Water Conservation District
Zone 7 Water Resources Management
5997 Parkside Drive
Pleasanton, California 94588-5127

RE: Destruction of four groundwater monitoring wells at Exxon RS 7-0210, 7840 Amador Valley Boulevard, Dublin, California (permit number 96255)

Dear Mr. Mayfield:

Exxon Company, U.S.A (Exxon) contracted EA Engineering, Science, and Technology (EA) to oversee the destruction of four groundwater monitoring wells (MW1–MW4) at the above referenced site. Exxon received a letter from the Alameda County Health Care Services (ACHCS) on 18 March 1996 stating that the San Francisco Regional Water Quality Control Board (SF-RWQCB) and ACHCS had reviewed the case closure summary and subsequently granted case closure at the site. In order to receive a remedial action completion notice, four monitoring wells at the site had to be decommissioned. The groundwater monitoring wells were destroyed in compliance with the Alameda County Flood Control and Water Conservation (ACFCWC) Zone 7 regulations, under permit number 96255.

On 3 April 1996, an EA geologist oversaw the destruction of groundwater monitoring wells MW1 through MW4 (Figure 1) at the site. Woodward Drilling of Rio Vista (C-57 581639) was subcontracted to remove the well boxes, overdrill the first 2 feet of well casing, grout, and soil, and pressure-grout the remainder of the wells to depths ranging from 25 feet below ground surface (bgs) to 28 feet bgs. Grouting was performed by pumping cement into each well at a pressure of 40 to 60 psi for approximately 10 minutes. The two boreholes were backfilled with soil and patched with ready-set cement.

EA has completed the requirements set forth by ACFCWD, Zone 7, for the destruction of wells at the site. Enclosed is a copy of the well destruction permit and a site map showing former well locations. Please call me if you have any questions.

Sincerely,

Diana Conkle

Diana Conkle
Staff Geologist

DC/ds 70210LRPT496.LRT1.2
Enclosures

cc: Marla Guensler, Exxon Company, U.S.A
Eva Chu, Alameda County Health Care Services

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

StID 4103

March 18, 1996

Ms. Marla Guensler
Exxon Co
P.O. Box 4032
Concord, CA 94568

RE: Well Decommission at Exxon Service Station 7-6210, 7840 Amador Valley Blvd, Dublin 94568

Dear Ms. Guensler:

This office and the S.F. RWQCB have reviewed the case closure summary for the above referenced site and concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the onsite monitoring wells (MW-1 through MW-4) should be decommissioned, if they will no longer be monitored. Please notify this office upon completion of well destruction so a closure letter can be issued.

Well destruction permits may be obtained from Alameda County Flood Control and Water Conservation, Zone 7. They can be reached at (510) 484-2600.

If you have any questions, I can be reached at (510) 567-6762.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: files

exxon1.3