



Ro 506

4 October 2002

Alameda County
OCT 11 2002
Environmental Health

Mr. Scott O. Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: Well Destructions at Former Exxon RS 7-7003, 349 Main Street, Pleasanton, California

Dear Mr. Seery:

As requested by ExxonMobil Refining and Supply Company (ExxonMobil), ETIC Engineering, Inc. (ETIC) observed the destruction of three groundwater monitoring wells (MW1, MW6, and MW7) at the above-referenced site. The site is currently owned by Mr. Peter Branagh.

On 1 July 2002, ETIC observed the destruction of wells MW1, MW6, and MW7 by Woodward Drilling Company, Inc. of Rio Vista, California (C-57 license #710079). The former locations of the wells are shown in Figure 1. A well destruction permit (number 22093) was obtained from the Alameda County Flood Control and Water Conservation District (Zone 7) prior to well destruction.

Prior to well destruction, each well was inspected for obstructions which would prevent placing the tremie pipe at the bottom of each well. No obstructions were found in wells MW6 and MW7, which were constructed to depths of 58.0 and 45.0 feet below ground surface (bgs), respectively. An obstruction was present in well MW1 at a depth of 18 feet bgs. This obstruction was cleared by driving a 2-inch-diameter sampler to the total depth of the well (39.0 feet bgs).

After inspection, each well was destroyed by pressure grouting. A tremie pipe was placed to within 12 inches of the total depth of each well and neat cement grout pumped into the well until all groundwater was displaced from the casing. When the grout level in each well was stable an expansion plug with a pressure gauge and quick release air fitting was temporarily installed on the top of the casing. The casing was pressurized to 25 pounds per square inch for 5 minutes. Each well was then drilled out to a depth of 2 feet bgs and the resulting annulus was sealed to a depth of 1 foot bgs with quick set cement. A 24-inch-by-24-inch square was cut out of the surface asphalt and the surface was restored with hot patch to match the adjacent surface.

Five 55-gallon drums of solid grout waste were stored onsite. The drums were removed on 15 July 2002 by Dillard Environmental Services of Byron, California, and transported to a landfill for disposal.

Department of Water Resources (DWR) Forms 188 were completed and mailed to the California DWR on 28 August 2002. The Zone 7 well destruction permit, boring log/well construction details for each well, waste manifest, and weight ticket are attached.

If you have any questions or comments, please contact me at (925) 602-4710, extension 23.

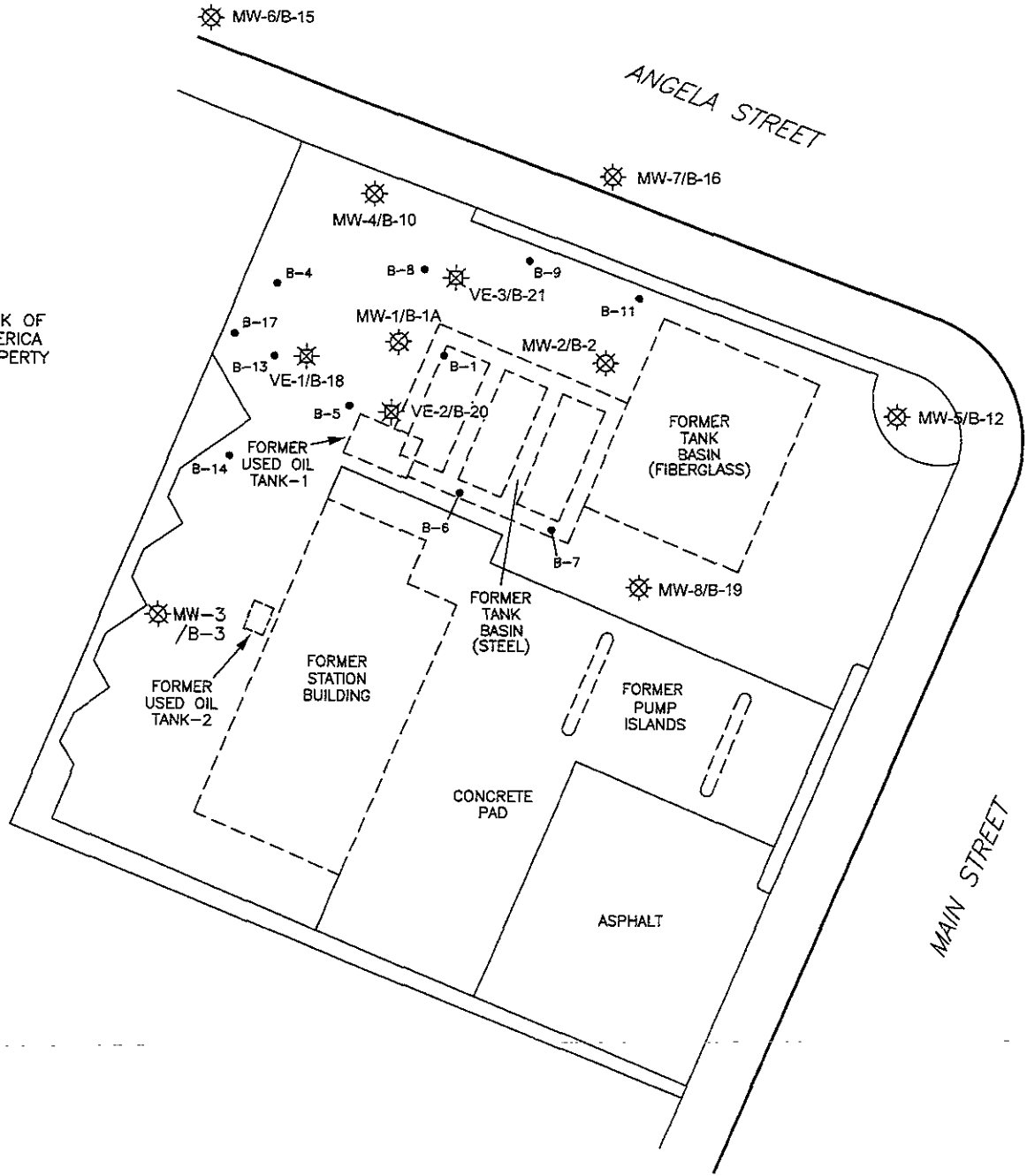
Sincerely,

Ted Moise
Project Manager

cc: w/o attachments:

Mr. Gene Ortega, ExxonMobil Refining and Supply Company
Mr. Chuck Headlee, Regional Water Quality Control Board San Francisco Bay Region
Mr. Peter Branagh, Main Street Pleasanton LLC, 3201 Danville Blvd., Ste. 170, Alamo, CA 94507

BANK OF AMERICA PROPERTY



LEGEND:

- SOIL BORING
- ☼ ABANDONED GROUNDWATER MONITORING WELL
- ☼ ABANDONED VAPOR EXTRACTION WELL



FILENAME: SITEPLAN.DWG 08/22/02



SITE MAP
FORMER EXXON RS 7-7003
349 MAIN STREET
PLEASANTON, CALIFORNIA

FIGURE:

1



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 349 Main Street
Pleasanton, CA

PERMIT NUMBER: 22093
WELL NUMBER 35/1E 21E7, 21E18 & 21E19
APN 094 0156 007 03

California Coordinates Source _____ Accuracy: _____ ft.
CCN _____ IL CCE _____ ft.
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT
Name Exxon Mobil / 15th 1250
Address 2300 Clayton Road Phone 925-246-8747 **A**
City Concord, CA Zip 94520

GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT
Name ETC Engineering
Address 2284 Morille Ave Fax (925) 602-4120
City Pleasant Hill, CA Phone (925) 601-4110 Zip 94523

B. WATER SUPPLY WELLS

1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:
Well Construction Geotechnical Investigation
Well Destruction Contamination Investigation
Cathodic Protection Other _____

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

PROPOSED WELL USE:
Domestic Irrigation
Municipal Remediation
Industrial Groundwater Monitoring
Dewatering Other _____

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:
Mud Rotary Air Rotary Hollow Stem Auger
Cable Tool Direct Push Other _____

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

DRILLING COMPANY Cascade Drilling
DRILLER'S LICENSE NO. 217510

F. WELL DESTRUCTION. See attached.

WELL SPECIFICATIONS:
Drill Hole Diameter 10 in. Maximum _____
Casing Diameter 4 in. Depth 58 ft.
Surface Seal Depth 36 ft. Number 3

G. SPECIAL CONDITIONS: Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

SOIL BORINGS:
Number of Borings _____ Maximum _____
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 6-10-02
ESTIMATED COMPLETION DATE 6-10-02

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 6/3/02
wyman hong

APPLICANT'S SIGNATURE Robert Taylor Date 5/4/02

ATTACH SITE PLAN OR SKETCH

Total depth of boring: 40 feet **Diameter of boring:** 10 inches **Date drilled:** 2-15-90
Casing diameter: 4 inches **Length:** 39 feet **Slot size:** 0.020-inch
Screen diameter: 4 inches **Length:** 15 feet **Material type:** Sch 40 PVC
Drilling Company: Kvilhaug Well Drilling, Inc. **Driller:** Rod and Paul
Method Used: Hollow-Stem Auger **Field Geologist:** Keith and Steve

Depth	Sample No.	Blows	P.L.D.	USCS Code	Description	Well Const.
0					Asphalt (3 inches).	
2				SW	Gravelly sand.	
4				SM	Silty, fine-grained sand, trace gravel, brown, damp, medium dense.	
6	S-6	8 10 8	0.1			
10				ML	Clayey silt, dark brown, moist, medium plasticity, hard.	
12	S-11	20 30 35	0.1			
16	S-16	20 20 25	0.1		Light brown, slight plasticity.	
20	S-21	20 25 31	42		Some gravel, dark gray, very stiff.	
(Section continues downward)						



PROJECT NO. 19025-2

LOG OF BORING B-1A/MW-1
Exxon Station No. 7-7003
349 Main Street
Pleasanton, California

PLATE

C - 4

Depth	Sample No.	BLOWS	P.I.D.	USCS Code	Description	Well Const.
				ML	Clayey silt, some sand, dark gray, moist, slight plasticity, very stiff.	
-22		20		CL	Silty clay, trace sand, green-gray, moist, medium plasticity, hard.	
	S-23	50	6.1	ML	Clayey silt, with trace gravel.	
-24				GC	Sandy, clayey gravel, brown, moist, very dense.	
	S-25.5	35				
-26		50	124			
	S-27.5	50			More sand than clay.	
-28		6	35			
	S-30.5	35			Very moist to wet.	
-30		50	5.1			
	S-33.5	15		ML	Clayey silt, with trace sand and gravel, brown, moist, hard.	
-32		25				
	S-36	10			More clay.	
-34		15		GP	Clayey, sandy gravel, brown, very moist.	
	S-38.5	18				
-36		20		CL	Sandy, silty clay, with trace sand, light brown, moist, medium plasticity, hard, carbonaceous.	
	S-39.5	25	0.3			
-38		90			Total Depth = 40 feet.	
-40						
-42						
-44						
-46						
-48						
-50						



PROJECT NO. 18096-4

LOG OF BORING B-1A/MW-1
 Exxon Station No. 7-7003
 349 Main Street
 Pleasanton, California

PLATE

C - 5

Total depth of boring: 58 feet Diameter of boring: 10 inches Date drilled: 2-28-91
 Casing diameter: 4 inches Length: 58 feet Slot size: 0.010-inch
 Screen diameter: 4 inches Length: 20 feet Material type: Sch 40 PVC
 Drilling Company: Kvilhaug Well Drilling Inc. Driller: Rodney and Brian
 Method Used: Hollow-Stem Auger Field Geologist: Tom DeLon

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
0					Asphalt over road base.	
2				SM	Silty, fine to medium sand, some gravel, brown, damp, loose.	
4		8				
6	S-5.5	7 10	0	ML	Clayey silt, trace fine sand, brown, very damp, low plasticity, medium stiff.	
8						
10		10				
12	S-11	12 20	0		Grades to more gravel, hard.	
14						
16	S-16	18 25 35	0	SW	Gravelly fine to coarse sand, brown, damp, very dense.	
18						
20	S-18.5	35 45	0	CL	Fine sandy clay, some gravel, trace organic material, brown with red and yellow staining, damp, hard.	
20		25				
	S-21	40 45	0	ML	Fine sandy silt, some gravel, some cobbles, brown with yellow and red staining, damp, medium plasticity, hard.	

(Section continues downward)



LOG OF BORING B-15/MW-6
 Exxon Station No. 7-7003
 349 Main Street
 Pleasanton, California

PLATE

C-6

PROJECT NO. 19025-2

Depth	Sample No.	BLOWS	OVM	USCS Code	Description	Well Const.
-22		30		ML	Fine sandy silt, some gravel, some cobbles, brown with yellow and red staining, damp, medium plasticity, hard.	
-24	S-23	50	0	CL	Silty clay, trace sand, trace gravel, tan, damp, medium plasticity, hard.	
-26	S-25.5	26 50	0			
-28						
-30	S-30	50	0	SP	Gravelly, fine to medium sand, brown, damp, very dense.	
-34				▼		
-36	S-36	24 38 45	0	ML	Clayey silt, some fine to medium sand, tan and brown, damp, low plasticity, hard.	
-38						
-40		36 40		▽		
-42	S-41	50	0	SW	Gravelly sand, tan, wet, very dense.	
-44	S-44.5	27 32 40	0		Trace gravel.	
-46						
-48						
-50	S-50.5	15 50	0	GW	Gravel, trace silt and clay, tan, wet, very dense.	

(Section continues downward)



Applied GeoSystems

PROJECT NO. 19025-2

LOG OF BORING B-15/MW-6
 Exxon Station No. 7-7003
 349 Main Street
 Pleasanton, California

PLATE
 C-7

Depth	Sample No.	BLOWS	OVM	USCS Code	Description	Well Const.
-52				GW	Gravel, trace silt and clay, tan, wet, very dense.	
-54						
-56		X				
-58	Total Depth = 58 feet.					
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						



PROJECT NO. 19025-2

LOG OF BORING B-15/MW-6
 Exxon Station No. 7-7003
 349 Main Street
 Pleasanton, California

PLATE
 C-8

Total depth of boring: 46-1/2 feet Diameter of boring: 10 inches Date drilled: 3-1-91
 Casing diameter: 4 inches Length: 45 feet Slot size: 0.010-inch
 Screen diameter: 4 inches Length: 17 feet Material type: Sch 40 PVC
 Drilling Company: Kvilhaug Well Drilling, Inc. Driller: Rodney and Brian
 Method Used: Hollow-Stem Auger Field Geologist: Tom Delon

Depth	Sample No.	Blows	OVM	USCS Code	Description	Well Const.
0					Asphalt over road base.	
2				SM	Silty, fine to medium sand, some gravel, brown, damp, loose.	
4		12				
		20				
6	S-5.5	20	0		Grades to light brown, dense.	
8						
10		20				
		35				
12	S-11	35	0	ML	Fine sandy silt, some gravel, light brown with iron staining, damp, hard.	
14						
16	S-16	30	0	CL	Silty clay, some gravel, light brown, trace red and yellow staining, damp, medium plasticity, hard.	
		5				
18	S-17.5	50	0		Less gravel.	
20	S-20	50	0			

(Section continues downward)



PROJECT NO. 19025-2

LOG OF BORING B-16/MW-7
 Exxon Station No. 7-7003
 349 Main Street
 Pleasanton, California

PLATE

C-9

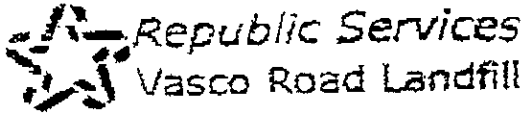
Depth	Sample No.	BLOWS	QVM	USCS Code	Description	Well Const.
				CL	Silty clay, light brown, trace red and yellow staining, damp, medium plasticity, hard.	
-22	S-22.5	50	46			
-24					Grades more gravel, green.	
-26	S-25	50	0			
					Gravelly, tan.	
-28		20 30				
-28.5	S-28.5	50	0		Trace gravel, medium stiff.	
-30		30				
-30.5	S-30.5	50	0			
-32				SC	Clayey, fine to medium sand, trace gravel, tan, moist, very dense.	
-34						
-36	S-36	18 26 50	0			
-38						
-40	S-40	50				
-42				GW	Sandy gravel, gray-tan, wet, very dense.	
-44						
-46	S-46	16 42 50		GL	Silty clay, trace gravel, tan, moist, medium plasticity, stiff.	
					Total Depth = 46-1/2 feet.	
-48						
-50						



LOG OF BORING B-16/MW-7
 Exxon Station No. 7-7003
 349 Main Street
 Pleasanton, California

PLATE
 C-10

PROJECT NO. 19025-2



WASTE APPROVAL FORM/NON-HAZARDOUS WASTE MANIFEST

WASTE STREAM INFORMATION

Date	7/12/2002		
Generator	Exxon #07-7803		
Generator Location	349 Main Street	Pleasanton	CA
SWIC Number	1001724		
Bill To	Dillard Environmental		
Approval Date	7/12/2002		
Expiration Date	7/12/2003		
Waste Description	Special Waste Disposal / Ton		
Management	Disposal Area 2		

The above is a recommendation of the Vasco Road Landfill. It must be understood that management of the waste for disposal must be in accordance with the facility's permit and applicable federal, state, and local regulations. The approval is based upon a review of the information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical composition and physical properties to that defined above.

A MINIMUM OF ONE SIGNED AND COMPLETED COPY OF THIS FORM MUST ACCOMPANY EACH LOAD. ONE COPY WILL BE RETAINED BY THE VASCO ROAD LANDFILL.

M. C. Blum Generator Signature Date: 7/12/02

TRANSPORTER INFORMATION

Transporter to complete this section.

Transporter Name	DILLARD
Transporter Address	3120 Camino Diablo Byron Ca
Transporter City, State, Zip	
Transporter Phone number	925 634 6850
Driver Name	Brian Black
Truck Number	195
Vehicle License Number/State	

[Signature] Driver Signature Date: 7-15-02

DESTINATION INFORMATION

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature] Signature of Vasco Road Landfill Date: 7-15-02

Republic Services - Vasco Road Landfill
4001 North Vasco Road - Livermore, CA 94550
Tel: (925) 447-0491 - Fax: (925) 447-0499

SAV REPUBLIC SERVICES VASCO ROAD, LLC
 1861 N. Vasco Road (Livermore) California 94550 • (925) 437-4333

PHONE: 280925
 CUSTOMER: HILL, DILLARD/EXXON B.D.:
 TRUCK: 195
 RUBY: 3007B14
 SERVICE #: 1001754

DATE: 07/15/003
 TIME: 11:51 - 11:51

BEVERLY HILL / EXXON 07/19/03

CREDIT: 9 - RICHMOND
 LUCKY 71
 CHINA 11
 WAST

PROSE: 0 LBS
 TABLE: 0 LBS
 METAL: 0 LBS

QUANTITY: 11
 PRICE: 3.00

SUB: 7 - SOLUBLE WASTE DRUMS

I certify that I have not disposed
 of any liquid or hazardous waste

[Signature]
 NAME

DATE

MAINTENANCE: ADAMS V