



August 9, 2001

Project No. 41-0123

Mr. Barney Chan
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, California 94502-6700

1683 / R0445

RE: FORMER MOBIL STATION 99-105
6301 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

AUG 13 2001

Dear Mr. Chan:

Please find enclosed the Third Quarter 2001 Progress Report for the subject location prepared by TRC for ExxonMobil Oil Company. The contents of this report include:

Quarterly Progress Report Summary Sheet

- Exhibit 1: Sampling Schedule
- Exhibit 2: Summary of Groundwater Levels and Chemical Analysis
- Exhibit 3: Figures 1 through 3 (Vicinity Map, Groundwater Elevations, Dissolved-Phase Hydrocarbon Concentrations)
- Exhibit 4: Benzene vs. Groundwater Elevation Graphs
- Exhibit 5: Well Purging and Groundwater Sampling Protocol
- Exhibit 6: Monitoring Well Sampling Forms
- Exhibit 7: Analytical Laboratory Data Sheets
- Exhibit 8: Waste Disposal Manifest—Second Quarter 2001
- Exhibit 9: Waste Disposal Manifest—Third Quarter 2001

If you have any questions regarding this report, please call me at (925) 688-2473. You may also call Mr. Gene Ortega, ExxonMobil Senior Engineer, at (925) 246-8747.

Sincerely,

Jonathan Scheiner
Associate

cc: Mr. Gene Ortega, ExxonMobil Refining and Supply Company, Global Remediation—U.S. Retail Projects
Mr. Chuck Headlee, Regional Water Quality Control Board, San Francisco Bay Region
Ms. Connie Lamb, Property Owner

TRC

Quarterly Progress Report Summary Sheet
Third Quarter 2001

Former Mobil Station 99-105
6301 San Pablo Avenue
Oakland, California

LOP: Alameda County Health Services

Number of water zones:	1	This Page	1
FIELD ACTIVITY:		Date Sampled:	24-Jul-01
Number of groundwater wells on-site:	3	Groundwater wells monitored:	3
Number of groundwater wells off-site:	0	Groundwater wells sampled:	3
Phase of Investigation: Vadose Zone:	N/A	Groundwater wells with free product:	0
		Groundwater phase:	Monitor & Sample
SITE HYDROGEOLOGY:			
Approximate depth to ground water below ground surface:			10.60 ft
Approximate elevation of potentiometric surface above Mean Sea Level:			28.66 ft
Average Increase/Decrease in ground water elevations since last sampling episode:		Decrease:	2.78 ft
Approximate flow direction and hydraulic gradient:		West at:	0.07 ft/ft
GROUND WATER CONTAMINATION (BENZENE MCL=1.0 ppb):			
Wells containing free product:	0	Range in Thickness of Free Product:	NA
Number of wells with concentrations below MCL:	1	Volume of Free Product Recovered This Period:	0 gals
Number of wells with concentrations at or above MCL:	2	Volume of Free Product Recovered To Date:	2.65 gals
Nature of contamination:	Gasoline	Range in Concentrations:	Benzene: ND<0.20 to 360 ppb TPH-G: ND<50 TO 7,000 ppb
ADDITIONAL INFORMATION:			
Purged water was transferred to McKittrick Waste Water Treatment Facility.			

Prepared by: Jonathan Scheiner

Jonathan Scheiner
Associate

Project No: 41-0123

Approved by: Tracy L. Walker
California RG #6808

Tracy L. Walker, RG
Associate

Submittal Date: 8/9/01

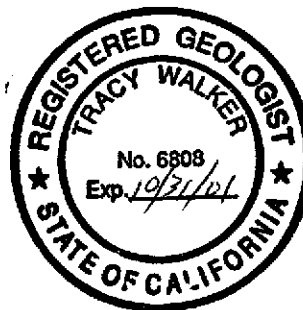


EXHIBIT 1
SAMPLING SCHEDULE

MONITORING WELL SAMPLING SCHEDULE 2001
Former Mobil Station 99-105

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MW-2	X	X	X	X
MW-3	X	X	X	X
MW-5	X	X	X	X

NOTES: X = well scheduled for sampling

EXHIBIT 2

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS

Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 99-105

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	Lead (ppb)	Dissolved Oxygen (mg/L)
TW-1	01/04/96	—	6.00	—	0.00	ND	700	ND	ND	ND	ND	—	—	—	—	—
VW-1	01/04/96	—	3.00	—	0.00	ND	—	ND	ND	ND	ND	—	—	ND	—	—
MW-1	03/14/96	32.79	4.50	28.29	0.00	610	450	0.75	0.54	1.5	59	—	—	—	ND	—
MW-1	05/21/96	32.79	5.64	27.15	0.00	ND	ND	ND	ND	ND	ND	—	—	—	—	—
MW-1	08/13/96	32.79	9.76	23.03	0.00	ND	ND	ND	ND	ND	ND	—	—	—	—	—
MW-1	11/08/96	32.79	10.24	22.55	0.00	ND	ND	ND	0.92	ND	2.1	ND	—	—	—	—
MW-1	01/31/97	32.79	3.83	28.96	0.00	ND	ND	ND	0.85	ND	ND	2.6	ND	—	—	—
MW-1	04/22/97	32.79	9.14	23.65	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	—
MW-1†	07/29/97	32.79	10.18	22.61	0.00	ND	60****	0.84	0.95	ND	1.6	36	—	—	—	—
MW-1†	10/09/97	32.79	10.46	22.33	0.00	ND	56****	ND	ND	ND	ND	ND	—	—	—	—
MW-1†	01/23/98	32.79	3.95	28.84	0.00	ND	33	ND	ND	ND	ND	ND	—	—	—	—
MW-1	04/22/98	32.79	5.33	27.46	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	1.25
MW-1	07/21/98	32.79	9.17	23.62	0.00	ND	—	ND	ND	ND	ND	ND	—	—	—	4.34
MW-1	10/20/98	32.79	10.41	22.38	0.00	ND	—	ND	ND	ND	ND	ND	—	—	—	2.49
MW-1	01/27/99	32.79	5.51	27.28	0.00	ND	—	ND	ND	ND	ND	ND	—	—	—	5.25
MW-1	Destroyed during construction activities in April 1999															
MW-2	03/14/96	32.80	4.51	28.29	0.00	560	250	2.0	0.96	4.3	11	—	—	—	ND	—
MW-2	05/21/96	32.80	5.65	27.15	0.00	730	560	5.1	1.4	6.7	5.9	—	—	—	—	—
MW-2	08/13/96	32.80	10.14	22.66	0.00	490	380*	25	3.5	7.2	13	—	—	—	—	—
MW-2	11/08/96	32.80	10.70	22.10	0.00	520	160***	80	2.7	14	66	6.1	—	—	—	—
MW-2	01/31/97	32.80	3.84	28.96	0.00	74	130*	ND	ND	ND	ND	ND	—	—	—	—
MW-2	04/22/97	32.80	9.61	23.19	0.00	260	430	2.7	ND	2.5	ND	ND	—	—	—	—
MW-2†	07/29/97	32.80	10.53	22.27	0.00	320	150***	28	1.2	10	ND	ND	—	—	—	—
MW-2†	10/09/97	32.80	10.87	21.93	0.00	460	160*	43	2.8	2.0	2.6	2.6	—	—	—	—
MW-2†	01/23/98	32.80	3.75	29.05	0.00	ND	54	ND	ND	ND	ND	ND	—	—	—	—
MW-2	04/22/98	32.80	5.36	27.44	0.00	180	540	1.2	0.3	0.4	ND	ND	—	—	—	0.85
MW-2	07/21/98	32.80	9.55	23.25	0.00	80	—	8.9	2.1	0.6	2.5	ND	—	—	—	1.04
MW-2	10/20/98	32.80	10.75	22.05	0.00	50	—	0.8	0.7	ND	0.8	ND	—	—	—	1.12
MW-2	01/27/99	32.80	5.53	27.27	0.00	ND	—	0.6	ND	ND	ND	ND	—	—	—	0.99
MW-2	07/27/99	32.80	6.20	26.60	0.00	ND	—	ND	0.6	ND	ND	ND	—	—	—	0.30
MW-2	12/08/99	32.80	9.98	22.82	0.00	ND	—	1.2	0.43	ND	ND	ND	—	—	—	1.83
MW-2	Sep-00	39.34	Well resurveyed after repair by Alisto Engineering													
MW-2	10/25/00	39.34	11.30	28.04	0.00	<20	—	2.0	0.59	0.46	1.3	<0.30	—	—	—	0.35
MW-2	01/15/01	39.34	9.41	29.93	0.00	<20	—	<0.20	0.46	<0.20	<0.60	<0.30	—	—	—	—
MW-2	04/10/01	39.34	6.16	33.18	0.00	23	—	0.28	<0.20	<0.20	<0.60	<1.0	—	—	—	1.72
MW-2	07/24/01	39.34	10.70	28.64	0.00	<50	—	<0.20	0.93	<0.20	0.82	<0.30	—	—	—	3.39
MW-3	03/14/96	32.80	9.55	23.25	0.00	4,200	1,200	220	30	140	520	—	—	ND	ND	—
MW-3	05/21/96	32.80	10.16	22.64	0.00	8,500	2,800	710	110	440	1,700	—	—	—	—	—
MW-3	08/13/96	32.80	11.18	21.62	0.00	5,000	2,300**	430	ND	200	360	—	—	—	—	—
MW-3	11/08/96	32.80	11.51	21.29	0.00	8,400	2,900*	890	82	790	1,700	73	ND	—	—	—
MW-3	01/31/97	32.80	7.90	24.90	0.00	16,000	7,500*	660	85	960	1,800	ND	—	—	—	—
MW-3	04/22/97	32.80	10.64	22.16	0.00	8,000	2,700	340	33	400	490	200	ND	—	—	—
MW-3†	07/29/97	32.80	11.36	21.44	0.00	9,800	2,300*	330	ND	530	530	ND	—	—	—	—
MW-3†	10/09/97	32.80	11.52	21.28	0.00	7,300	2,600*	300	ND	430	460	270	ND	—	—	—
MW-3†	01/23/98	32.80	7.50	25.30	0.00	6,100	2,300	190	23	330	320	ND	—	—	—	—
MW-3	04/22/98	32.80	6.81	25.99	0.00	4,900	2,600	140	12	250	230	ND	ND	—	—	0.45
MW-3	07/21/98	32.80	10.65	22.15	0.00	7,400	—	250	16	400	370	74	ND	—	—	0.78

Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 99-105

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	Lead (ppb)	Dissolved Oxygen (mg/L)	
MW-3	10/20/98	32.80	11.57	21.23	0.00	6,700	—	200	18	350	350	ND	ND	—	—	0.69	
MW-3	01/27/99	32.80	9.11	23.69	0.00	3,100	—	74	4	94	39	13	—	—	—	1.20	
MW-3	07/27/99	32.80	7.27	25.53	0.00	8,900	—	170	21	360	440	ND	—	—	—	0.33	
MW-3	12/08/99	32.80	10.63	22.17	0.00	4,800	—	94	13	170	210	ND	—	—	—	1.12	
MW-3	Sep-00	39.27	Well resurveyed after repair by Alisto Engineering														
MW-3	10/25/00	39.27	12.08	27.19	0.00	3,800	—	63	2.9	100	65	<50	<5	—	—	0.96	
MW-3	01/15/01	39.27	10.29	28.98	0.00	4,300	—	76	9.5	47	76	<5.0	—	—	—	0.60	
MW-3	04/10/01	39.27	10.11	29.16	0.00	2,700	—	55	4.4	100	37	<20	—	—	—	1.63	
MW-3	07/24/01	39.27	11.57	27.70	0.00	3,100	—	110	6.9	110	81	<1.0	—	—	—	4.25	
MW-4	03/14/96	31.50	4.92	26.58	0.00	12,000	3,500	2,200	140	880	2,000	—	—	—	ND	—	
MW-4	05/21/96	31.50	8.60	22.90	0.00	11,000	4,200	1,700	ND	930	470	—	—	—	—	—	
MW-4	08/13/96	31.50	10.02	21.50	0.02	—	—	—	—	—	—	—	—	—	—	—	
MW-4	11/08/96	31.50	10.28	21.33	0.15	—	—	—	—	—	—	—	—	—	—	—	
MW-4	01/31/97	31.50	7.88	23.62	0.00	23,000	8,200*	980	68	1,100	1,400	ND	—	—	—	—	
MW-4	04/22/97	31.50	7.40	24.10	0.00	8,800	4,500	950	ND	610	130	ND	—	—	—	—	
MW-4	07/29/97	31.50	9.85	21.74	0.12	—	—	—	—	—	—	—	—	—	—	—	
MW-4	10/09/97	31.50	10.35	21.38	0.30	—	—	—	—	—	—	—	—	—	—	—	
MW-4	01/23/98	31.50	4.68	27.51	0.92	—	—	—	—	—	—	—	—	—	—	—	
MW-4	04/22/98	31.50	6.39	25.22	0.14	—	—	—	—	—	—	—	—	—	—	—	
MW-4	07/21/98	31.50	7.10	24.55	0.20	—	—	—	—	—	—	—	—	—	—	—	
MW-4	10/20/98	31.50	9.03	22.80	0.17	—	—	—	—	—	—	—	—	—	—	—	
MW-4	01/27/99	31.50	5.37	26.18	0.07	—	—	—	—	—	—	—	—	—	—	—	
MW-4	Destroyed during construction activities in April 1999																
MW-5	Sep-00	39.18	Well surveyed after installation by Alisto Engineering														
MW-5	10/25/00	39.18	10.92	28.26	0.00	2,500	—	79	3.8	66	<20	<20	—	—	—	0.50	
MW-5	01/15/01	39.18	8.32	30.86	0.00	3,900	—	120	7.9	280	52	<5.0	—	—	—	0.69	
MW-5	04/10/01	39.18	7.21	31.97	0.00	8,000	—	280	4.4	410	100	<50	<5	—	—	1.90	
MW-5	07/24/01	39.18	9.54	29.64	0.00	7,000	—	360	7.4	380	67	<1.0	—	—	—	5.91	
AB-1	03/05/98	—	—	—	—	1,600	—	31	5.3	79	130	ND	—	—	—	—	
AB-2	03/05/98	—	—	—	—	ND	—	ND	2.9	0.9	5.7	ND	—	—	—	—	
AB-3	03/05/98	—	—	—	—	6,800	—	680	100	1,500	2,300	230	—	—	—	—	
AB-4	03/05/98	—	—	—	—	8,500	—	240	ND	260	720	ND	—	—	—	—	
AB-6	03/05/98	—	—	—	—	12,000	—	350	ND	310	100	ND	—	—	—	—	
AB-9	03/05/98	—	—	—	—	1,000	—	57	12	44	93	ND	—	—	—	—	
AB-10	03/05/98	—	—	—	—	200	—	3.0	1.2	3.2	2.8	ND	—	—	—	—	
AB-11	03/05/98	—	—	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	
AB-12	03/05/98	—	—	—	—	8,800	—	660	50	630	940	37	—	—	—	—	
AB-13	03/05/98	—	—	—	—	210	—	11	0.8	10	15	ND	—	—	—	—	
HA-1	01/25/00	—	—	—	—	ND<500	—	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	—	—	—	—	

Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 99-105

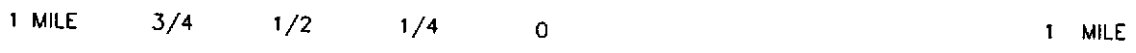
Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	Lead (ppb)	Dissolved Oxygen (mg/L)
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NOTES:

ppb = parts per billion
 mg/L = milligrams per liter
 TPH-G = total petroleum hydrocarbons as gasoline
 TPH-D = total petroleum hydrocarbons as diesel
 TOG = total oil and grease
 MTBE = methyl tert-butyl ether

— = not measured/not analyzed
 ND = not detected at or above method detection limit
 * = diesel and unidentified hydrocarbons <C15
 ** = diesel and unidentified hydrocarbons <C15>C25
 *** = diesel and unidentified hydrocarbons >C20
 **** = unidentified hydrocarbons >C18

† = well sampled using no-purge method



SCALE 1 : 24,000



QUADRANGLE
LOCATION

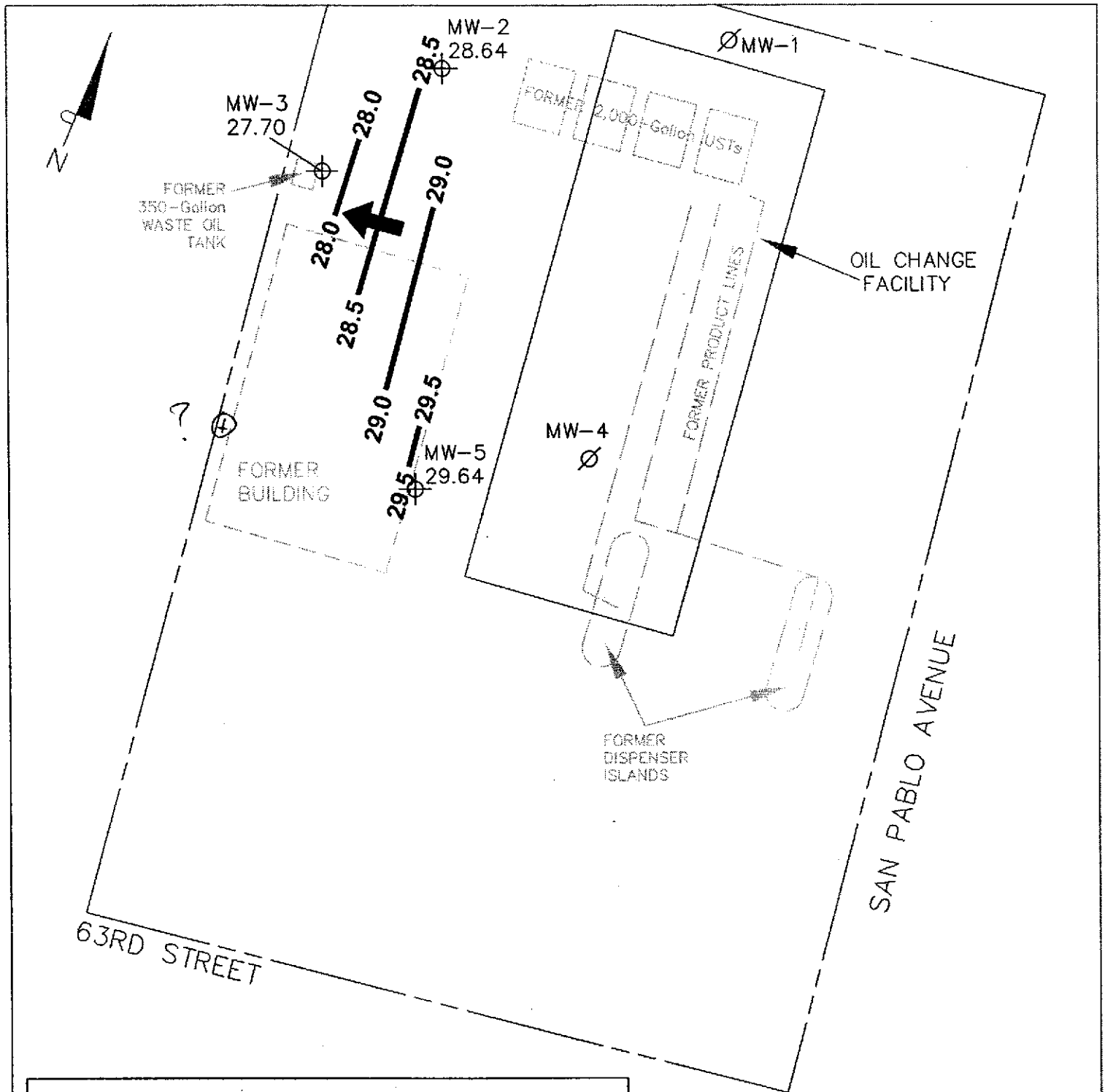
SOURCE:
United States Geological Survey
7.5 Minute Topographic Maps:
Oakland West Quadrangle

VICINITY MAP




Former Mobil Station 99-105
6301 San Pablo Avenue
Oakland, California

TRC

FIGURE 1



LEGEND

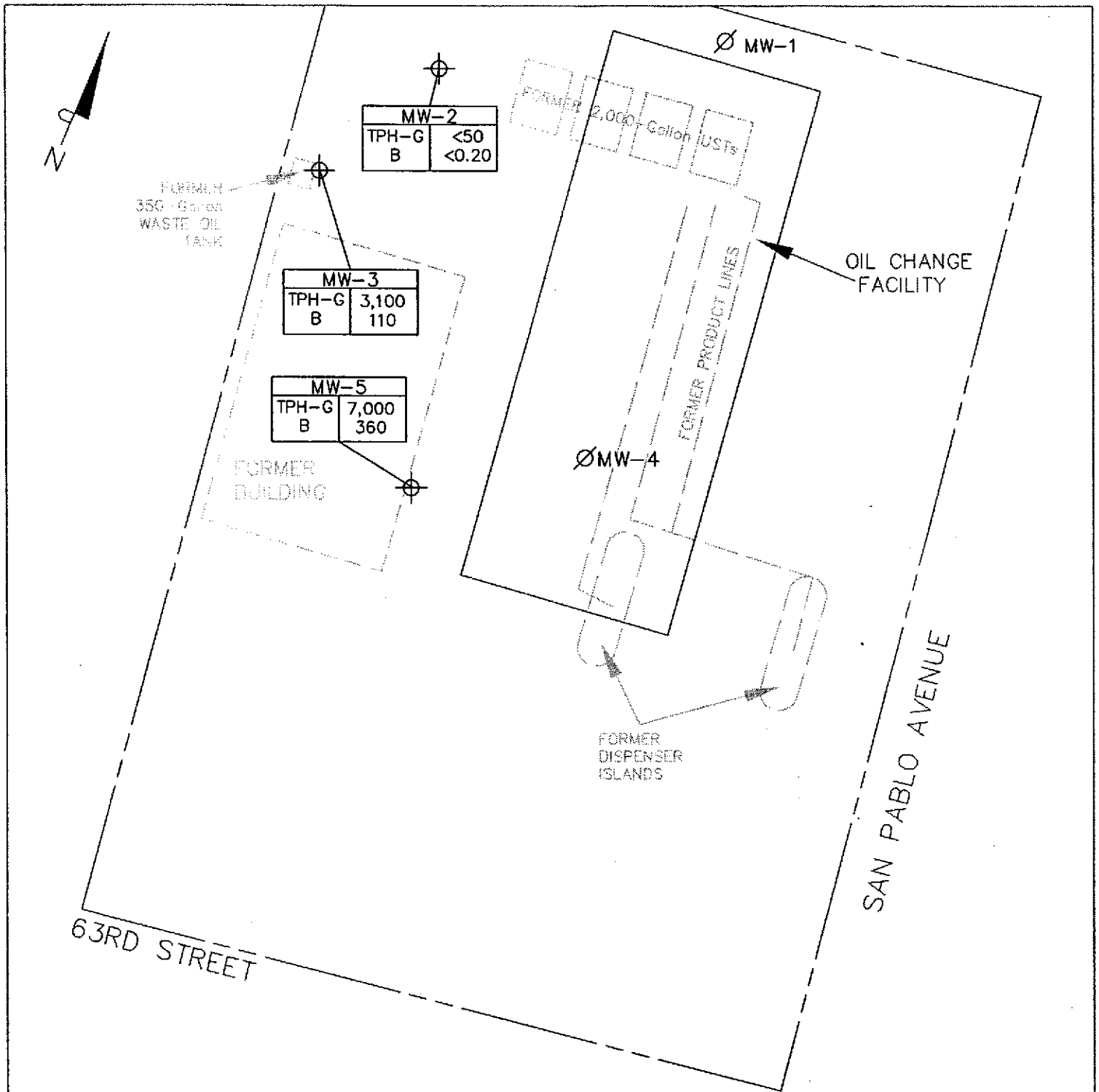
-  MW-2 Monitoring Well Showing Groundwater Elevation 28.64 (Feet Relative to Mean Sea Level - NGVD-1929)
-  Destroyed Well
- 29.0** — Groundwater Elevation Contour Line
-  General Direction of Groundwater Gradient

NOTES: Contour lines are interpretive based on fluid-level measurements taken on July 24, 2001. Contour interval = 0.5 foot.

Source: ALISTO Engineering

**GROUNDWATER ELEVATION
CONTOUR MAP
July 24, 2001**

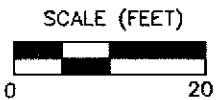
Former Mobil Station 99-105
6301 San Pablo Avenue
Oakland, California



LEGEND

MW-2	
TPH-G	
B	

Monitoring Well Showing Dissolved-Phase Hydrocarbon Concentrations (ppb)



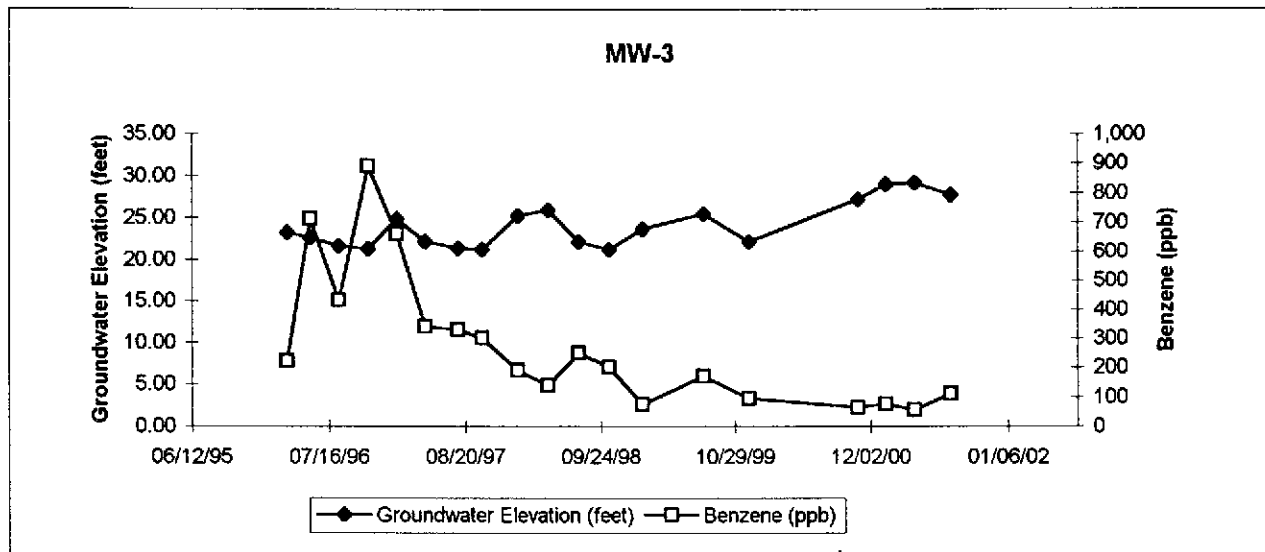
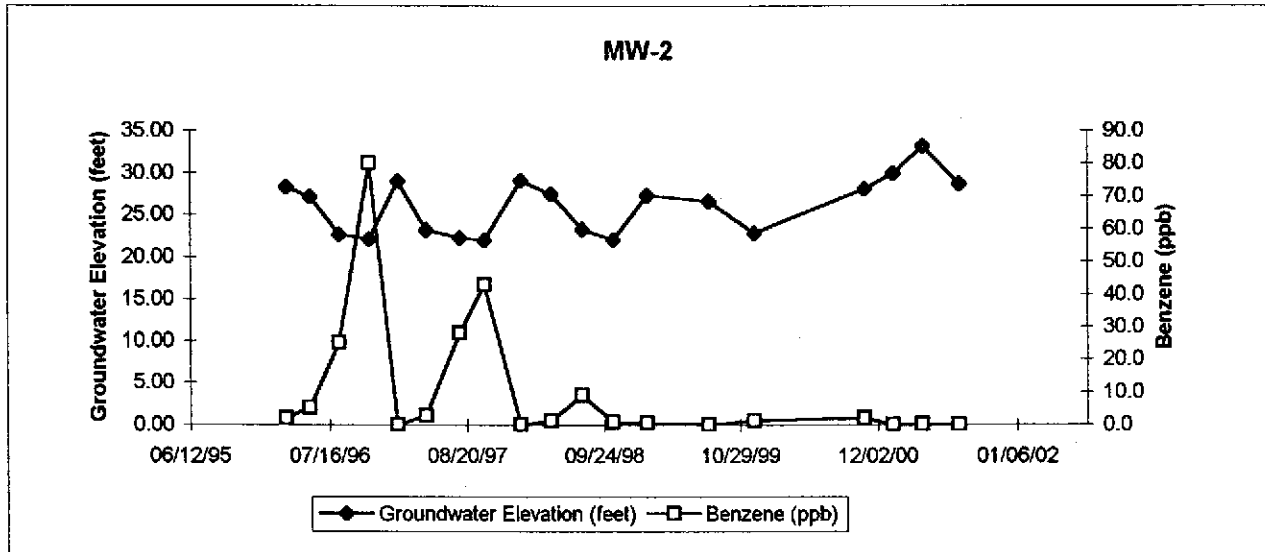
NOTES:
 Hydrocarbon concentrations are based on results of laboratory samples collected July 24, 2001. TPH-G = total petroleum hydrocarbons as gasoline; B = benzene; ppb = parts per billion; < = not detected at or above the stated method detection limit.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
 July 24, 2001
 Former Mobil Station 99-105
 6301 San Pablo Avenue
 Oakland, California

EXHIBIT 4

BENZENE VS. GROUNDWATER ELEVATION GRAPHS

Benzene vs. Groundwater Elevation Graphs



NOTE: ND values are plotted as zero.

NOTE: ND values are plotted as zero.

EXHIBIT 5

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

FLUID-LEVEL MONITORING

Fluid levels are monitored in the wells using an electronic interface probe with conductance sensors. The presence of liquid-phase hydrocarbons is verified using a hydrocarbon-reactive paste. The depth to liquid-phase hydrocarbons and water is measured to the nearest 0.01 foot relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city benchmark.

GROUNDWATER SAMPLING

Currently, 'pre-purge' and 'non-purge' methods of sampling both comply with regulatory standards.

NON-PURGE METHOD:

TRC utilizes the 'non-purge' method of sampling for all qualifying groundwater monitoring wells. Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

The following criteria necessary for a well to qualify for 'non-purge' sampling are taken from a letter issued by San Francisco Bay Regional Water Quality Control Board on January 31, 1997:

1. The non-purging approach shall be used only for monitoring wells where groundwater has been impacted by petroleum hydrocarbons, BTEX, and MTBE.
2. Non-purge sampling shall be utilized for unconfined aquifers only.
3. The monitoring well shall be properly permitted, constructed (in this case, screened across the water table), and developed.
4. The well is presently in use for groundwater or soil vapor extraction.
5. The well does not contain free product.
6. For new wells or wells brought into monitoring for the first time, the first round of groundwater sampling performed at a site shall be with both non-purged and purged samples. The purging and sampling method used shall be documented. This shall include the rate of purge and sampling

details. For these wells we require measurements of dissolved oxygen, specific conductance, pH, and temperature whether purged or not purged. Also, if biodegradation is being tracked at the well, our requirements do not preclude the measurement of other parameters.

7. Existing wells which have already been routinely purged in previous sampling events immediate to being switched to a non-purging mode do not require an initial duplicate non-purged and purged sample.
8. Monitoring data frequency shall be as required by the appropriate regulatory oversight agency.
9. Should site closure be requested where the non-purged approach has been used, the final confirmation sampling event shall include both non-purged and purged samples from each well or as agreed upon with the appropriate regulatory oversight agency.

PURGE METHOD:

Groundwater monitoring wells that do not qualify for the 'non-purge' method are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no liquid-phase hydrocarbons are purged of groundwater prior to sampling so that fluids sampled are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when these parameters vary less than 10% from the previous readings, or when four casing volumes of fluid have been removed. Samples are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purged water is either pumped directly into a licensed vacuum truck or temporarily stored in labeled drums prior to transport to an appropriate treatment or recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

EXHIBIT 6

MONITORING WELL SAMPLING FORMS

GROUND WATER SAMPLING FIELD NOTES

Site: 99-105 Project No.: 41012575 Sampled By: M. Traylor S. Kemnitz Date: 7/24/01

Well No. MW-2 6-61 Purge Method: 2" elec.
 Total Depth (feet) 18.96 Depth to Product (feet): _____
 Depth to Water (feet): 10.70 Product Recovered (gallons): _____
 Water Column (feet): 8.26 Casing Diameter (Inches): 4"
 80% Recharge Depth (feet): 12.35 1 Well Volume (gallons): 5.53

Well No. MW-3 6-80 Purge Method: 2" elec.
 Total Depth (feet) 22.08 Depth to Product (feet): _____
 Depth to Water (feet): 11.57 Product Recovered (gallons): _____
 Water Column (feet): 8.51 Casing Diameter (Inches): 4"
 80% Recharge Depth (feet): 13.30 1 Well Volume (gallons): 5.7

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
825				0.33	63.1	4.66
				0.43	63.8	4.75
	829			0.45	64.7	5.89
Total Purged			<u>120</u>	Time Sampled		<u>915</u>

Comments: Dry @ 10.0
 Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
844				1.28	65.7	5.5
				1.35	66.2	5.6
	851			1.53	66.3	5.6
Total Purged			<u>120</u>	Time Sampled		<u>917</u>

Comments:
 Turbidity=

Well No. MW-5 8-9 Purge Method: 2" elec.
 Total Depth (feet) 20.67 Depth to Product (feet): _____
 Depth to Water (feet): 9.54 Product Recovered (gallons): _____
 Water Column (feet): 11.13 Casing Diameter (Inches): 4"
 80% Recharge Depth (feet): 11.8 1 Well Volume (gallons): 7.5

Well No. _____ Purge Method: _____
 Total Depth (feet) _____ Depth to Product (feet): _____
 Depth to Water (feet): _____ Product Recovered (gallons): _____
 Water Column (feet): _____ Casing Diameter (Inches): _____
 80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
856				1.72	66.7	6.3
				1.82	68.5	6.3
	905			2.05	70.5	6.5
Total Purged			<u>220</u>	Time Sampled		<u>910</u>

Comments:
 Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged				Time Sampled		

Comments:
 Turbidity=

Well No. _____ Purge Method: _____
 Total Depth (feet) _____ Depth to Product (feet): _____
 Depth to Water (feet): _____ Product Recovered (gallons): _____
 Water Column (feet): _____ Casing Diameter (Inches): _____
 80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Well No. _____ Purge Method: _____
 Total Depth (feet) _____ Depth to Product (feet): _____
 Depth to Water (feet): _____ Product Recovered (gallons): _____
 Water Column (feet): _____ Casing Diameter (Inches): _____
 80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged				Time Sampled		

Comments:
 Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged				Time Sampled		

Comments:
 Turbidity=

MOBIL UNIT COST FIELD FORM
GROUND WATER MONITORING AND SAMPLING

PROJECT NUMBER 41012375
STATION NUMBER 99-105
WEATHER Cloudy

ALTON PERSONNEL S. Kennitz ; M. Trevor (training)
DATE 7/24/01
DAY Tuesday

HOURS

Hours spent travelling to and from site (return): 0.5
Hours spent on site: 2.0
Number of mob/demobs to and from site: 1

MILEAGE

Roundtrip mileage from Alton's office to site (1 man): 60
Roundtrip mileage from Alton's office to site (2 man): _____

WELLS MONITORED AND SAMPLED

Number of wells monitored but not sampled: 0
Number of wells monitored and sampled (depth to water < 25 feet): 3
Number of wells monitored and sampled (depth to water > 25): 0
Number of wells monitored and sampled using No Purge Method: 0

DRUM INVENTORY

Number of drums of ground water disposed into onsite ARS: 0
Number of gallons of groundwater purged and transported: 49

TRAFFIC CONTROL

Number of days for major street traffic control: 0
Number of days for non-major street traffic control: 0
Cost for Caltrans lane closure: 0

FREE PRODUCT PUMP-OUTS

Free product pump-out discipline travel (cap of 200 miles): 0
Number of free product pump-out equipment mob/demobs: 0
Number of wells (manual pump-outs): 0

FIELD NOTES:

8:00 Arrived on site

All wells monitored for depth to water

All wells purged three times well volume, allowed 80% recharge then sampled.

NO reading taken with inline flow cell

10:00 left site

EXHIBIT 7

ANALYTICAL LABORATORY DATA SHEETS



ANALYTICAL RESULTS

Prepared for:

ExxonMobil
2300 Clayton Road
Suite 1250
Concord CA 94520

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 771382. Samples arrived at the laboratory on Wednesday, July 25, 2001. The PO# for this group is 4500446506-0509 and the release number is 00260.

Client Description

MW-2 Grab Water Sample
MW-3 Grab Water Sample
MW-5 Grab Water Sample

Lancaster Labs Number

3653843
3653844
3653845

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO TRC/Alton

Attn: Kathryn Quinnell

Questions? Contact your Client Services Representative
Teresa M. Lis at (717) 656-2300.

Respectfully Submitted,

Thomas C. Lehman
Group Leader





Lancaster Laboratories Sample No. **WW 3653843**

Collected: 07/24/2001 09:15 by MT

Account Number: 10589

Submitted: 07/25/2001 09:05
 Reported: 08/03/2001 at 12:57
 Discard: 09/03/2001

ExxonMobil
 2300 Clayton Road
 Suite 1250
 Concord CA 94520

MW-2 Grab Water Sample
 LOC# 99-105 WBS# 56 Prj.# 41012375
 MOBIL: 6301 San Pablo Ave. - Oakland, CA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08209	BTEX, MTBE (8020)					
00776	Benzene	71-43-2	N.D.	0.20	ug/l	1
00777	Toluene	108-88-3	0.93	0.20	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.20	ug/l	1
00779	Total Xylenes	1330-20-7	0.82	0.60	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	0.30	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08268	TPH-GRO (CA LUFT)					
05554	TPH-GRO (CA LUFT)	n.a.	N.D.	50.	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
08209	BTEX, MTBE (8020)	SW-846 8020A	1	07/28/2001 14:58	John B. Kiser	1
08268	TPH-GRO (CA LUFT)	CA LUFT Gasoline Method	1	07/28/2001 14:58	John B. Kiser	1
01146	GC VOA Water Prep	SW-846 5030A	1	07/28/2001 14:58	John B. Kiser	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



Lancaster, PA 17605-2435
 717-658-2300 Fax: 717-653-0537



Lancaster Laboratories Sample No. **WW 3653844**

Collected: 07/24/2001 09:17 by MT Account Number: 10589
 Submitted: 07/25/2001 09:05 ExxonMobil
 Reported: 08/03/2001 at 12:57 2300 Clayton Road
 Discard: 09/03/2001 Suite 1250
 MW-3 Grab Water Sample Concord CA 94520
 LOC# 99-105 WBS# 56 Prj.# 41012375
 MOBIL: 6301 San Pablo Ave. - Oakland, CA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08209	BTEX, MTBE (8020)					
00776	Benzene	71-43-2	110.	0.20	ug/l	1
00777	Toluene	108-88-3	6.9	0.20	ug/l	1
00778	Ethylbenzene	100-41-4	110.	0.20	ug/l	1
00779	Total xylenes	1330-20-7	81.	0.60	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	1.0	ug/l	1

Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
 methyl t-butyl ether

08268	TPH-GRO (CA LUFT)					
05554	TPH-GRO (CA LUFT)	n.a.	3,100.	100.	ug/l	5

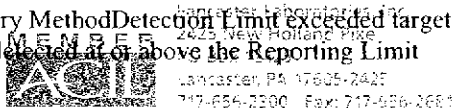
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08209	BTEX, MTBE (8020)	SW-846 8020A	1	07/28/2001 21:24	John B. Kiser	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit





Lancaster Laboratories

Where quality is a science.

Page 2 of 2

Lancaster Laboratories Sample No. WW 3653844

Collected: 07/24/2001 09:17 by MT

Account Number: 10589

Submitted: 07/25/2001 09:05

ExxonMobil

Reported: 08/03/2001 at 12:57

2300 Clayton Road

Discard: 09/03/2001

Suite 1250

MW-3 Grab Water Sample

Concord CA 94520

LOC# 99-105 WBS# 56 Prj.# 41012375

MOBIL: 6301 San Pablo Ave. - Oakland, CA

08268	TPH-GRO (CA LUFT)	CA LUFT Gasoline Method	1	07/30/2001 13:43	K. Robert James	5
01146	GC VOA Water Prep	SW-846 5030A	1	07/28/2001 21:24	John B. Kiser	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit



Lancaster, PA 17603-2013
717-655-2300 Fax: 717-655-2081

2216 Rev. 9/11/00



Lancaster Laboratories Sample No. WW 3653845

Collected: 07/24/2001 09:20 by MT

Account Number: 10589

Submitted: 07/25/2001 09:05
 Reported: 08/03/2001 at 12:57
 Discard: 09/03/2001

ExxonMobil
 2300 Clayton Road
 Suite 1250
 Concord CA 94520

MW-5 Grab Water Sample
 LOC# 99-105 WBS# 56 Prj.# 41012375
 MOBIL: 6301 San Pablo Ave. - Oakland, CA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08209	BTEX, MTBE (8020)					
00776	Benzene	71-43-2	360.	1.0	ug/l	5
00777	Toluene	108-88-3	7.4	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	380.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	67.	0.60	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	1.0	ug/l	1

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
 methyl t-butyl ether

Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

08268 TPH-GRO (CA LUFT)

05554 TPH-GRO (CA LUFT) n.a. 7,000. 100. ug/l 5

Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

State of California Lab Certification No. 2116

Laboratory Chronicle

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected or above the Reporting Limit



Lancaster Laboratories, Inc.
 2425 New College Ave
 Lancaster, CA 93534
 TEL: 661-799-1100 FAX: 661-799-1102



Lancaster Laboratories Sample No. WW 3653845

Collected: 07/24/2001 09:20 by MT

Account Number: 10589

Submitted: 07/25/2001 09:05

ExxonMobil

Reported: 08/03/2001 at 12:57

2300 Clayton Road

Discard: 09/03/2001

Suite 1250

MW-5 Grab Water Sample

Concord CA 94520

LOC# 99-105 WBS# 56 Prj.# 41012375

MOBIL: 6301 San Pablo Ave. - Oakland, CA

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08209	BTEX, MTBE (8020)	SW-846 8020A	1	07/28/2001 21:56	John B. Kiser	5
08209	BTEX, MTBE (8020)	SW-846 8020A	1	07/28/2001 23:33	John B. Kiser	1
08268	TPH-GRO (CA LUFT)	CA LUFT Gasoline Method	1	07/28/2001 21:56	John B. Kiser	5
01146	GC VOA Water Prep	SW-846 5030A	1	07/28/2001 23:33	John B. Kiser	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories, Inc.
2425 New Holland Pike.
Lancaster, PA 17605-2425
717-698-3300 Fax: 717-698-2580



Client Name: ExxonMobil
 Reported: 08/03/01 at 12:57 PM

Group Number: 771382

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 01208A16 Sample number(s): 3653843-3653845								
Benzene	N.D.	.2	ug/l	102	102	80-118	0	30
Toluene	N.D.	.2	ug/l	91	91	82-119	1	30
Ethylbenzene	N.D.	.2	ug/l	82	83	81-119	1	30
Total Xylenes	N.D.	.6	ug/l	84	85	82-120	1	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	93	95	79-127	2	30
TPH-GRO (CA LUFT)	N.D.	.02	mg/l	93	98	76-119	5	30

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 01208A16 Sample number(s): 3653843-3653845								
Benzene	106		66-140					
Toluene	95		72-138					
Ethylbenzene	87		71-138					
Total Xylenes	88		69-140					
Methyl tert-Butyl Ether	93		60-145					
TPH-GRO (CA LUFT)	111		74-132					

Surrogate Quality Control

Analysis Name: BTEX, MTBE (8020)
 Batch number: 01208A16

	Trifluorotoluene-P	Trifluorotoluene-F
3653843	105	93
3653844	189*	129
3653845	204*	173*
Blank	103	91
LCS	105	91
LCSD	103	91
MS	105	123
Limits:	72-134	65-137

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17603-2425
 717-656-2500 Fax: 717-630-3001



For Lancaster Laboratories use only
 Acct. #: 10589 Sample #: 3653843-45

SCR#: _____

Please print.

Mobil Consultant/Office: <u>TRC</u>			Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/> Composite			Analyses Requested <small>List total number of containers in the box under each analysis.</small>										Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other										
Consultant Prj. Mgr: <u>Jonathan Scheiner</u> Prj. #: <u>41012375</u>						Preservative Codes										Remarks *Confirm highest MTBE concentration by 8260										
Consultant Phone # <u>(925) 688-1200</u> Fax # <u>(925) 688-0388</u>						Total Number of Containers BTEX 8020 <input checked="" type="checkbox"/> 8021 <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> TPH 8015 MOD GRO <input checked="" type="checkbox"/> DRO <input type="checkbox"/> NWTPH Gx <input type="checkbox"/> Dx <input type="checkbox"/> TPHAZ Title 22 Metals Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>																				
Location Code #: <u>Mobil 99-105</u> WBS #: <u>56</u>																										
Site Address: <u>6301 San Pablo Ave., Oakland</u> State: <u>CA</u>																										
Sampler: <u>Mark Trevor / Steve Kennitz</u>																										
Mobil Engineer: <u>Darin Rouse</u>																										
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX 8020	8021	MTBE	TPH 8015 MOD GRO	DRO	NWTPH Gx	Dx	TPHAZ	Title 22 Metals	Lead 7420	7421	Remarks					
MW-2	7/24/01	915	X			X			4	X	X											*Confirm highest MTBE concentration by 8260				
MW-3	↓	917	↓			↓			↓	↓	↓															
MW-5	↓	920	↓			↓			↓	↓	↓															
Turnaround Time Requested (TAT) (please circle):			Relinquished by:			Date	Time	Received by:			Date	Time	Received by:			Date	Time	Received by:			Date	Time				
MOBIL STD. TAT 72 hour 48 hour 24 hour other ____ day			[Signature]			7/24/01	1530	[Signature]					[Signature]					[Signature]								
Data Package Options (please circle if requested)			Relinquished by:			Date	Time	Received by:			Date	Time	Received by:			Date	Time	Received by:			Date	Time				
QC Summary GLP Type I (Tier I) Other Type III (NJ Red. Del.) Disk Type IV (CLP) Type VI (Raw Data) WIP			SDG Complete? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Site-specific QC required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (If yes, indicate QC sample and submit triplicate volume.) Internal Chain of Custody required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Relinquished by Commercial Carrier: UPS <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> Other _____					Received by: [Signature]			7/25/01		Received by: [Signature]					Received by: [Signature]					
			Temperature Upon Receipt			Custody Seals Intact?																				
			2.5 °C			Yes																				

Lancaster Laboratories is a Thermo Electron company.

EXHIBIT 8

WASTE DISPOSAL MANIFEST—SECOND QUARTER 2001

Monitoring Well Purge Water Transport Form

Generator Information

Profile No. 501-416 PS

Name: ExxonMobil Oil Corporation
 Address: 3700 West 190th Street, TPT-2
 City, State, Zip: Torrance, CA 90509-2929 Phone: (310) 212-1877
 Description of Water: Monitoring well purge water

The generator certifies that this water
 as described is non-hazardous.

for ExxonMobil Oil Corporation

(Date)

Site Information

	Date Generated	Site Number	Amount Generated	Sampler's Initials		Date Generated	Site Number	Amount Generated	Sampler's Initials
1	4/10/01	99-105	53	CB	16				
2	4/23/01	04-NTR	50	CB	17				
3	5/01/01	04-GW8	300	CB	18				
4	5/15/01	04-GPE	300	CB	19				
5	5/19/01	10680	20	CB	20				
6	6/4/01	04-11014	310	CB	21				
7	5/30/01	S205A	40	CB	22				
8	5/16/01	99-172	150	CB	23				
9					24				
10					25				
11					26				
12					27				
13					28				
14					29				
15					30				

Total: **1223**

Transporter Information

Name: Philip West Industrial Services
 Address: 395 West channel Road
 City, State, Zip: benicia, CA 94510 Phone: (800) 800-7472

Truck ID No.: _____
 (Typed or printed full name & signature) (Date)

Receiving Facility

Name: McKittrick Waste Treatment Site
 Address: 56533 Highway 58 West
 City, State, Zip: McKittrick, CA 93251 Phone: (805) 762-7607

Profile No.: 501-416 PS
 (Typed or printed full name & signature) (Date)

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on efile (12 page) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No.		Manifest Document No H-0606-1		2 Page 1 of 1	
3 Generator's Name and Mailing Address MOBILE 5052 COMMERCIAL DR.							
4 Generator's Phone 925 688-1200 CONCORD, CA							
5 Transporter 1 Company Name PHILIP SERVICES		6 US EPA ID Number		A State Transporter ID		B Transporter 1 Phone 800-850-7472	
7 Transporter 2 Company Name		8 US EPA ID Number		C State Transporter ID		D Transporter 2 Phone	
9 Designated Facility Name and Site Address McKENZIE WASTE 56533 HWY 58W MCKENZIE, CA 93251		10 US EPA ID Number		E State Facility ID		F Facility's Phone 661-762-7607	
11. WASTE DESCRIPTION				12 Containers		13. Total Quantity	14. Unit Wt/Vol
a. Brown water				No. 001	Type TT	1400	G
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above PROKLE^{FF} SDI-416 PS				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information X UNUS SITE							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are truly and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations							
Printed/Typed Name DAVID K. SAUNDERS				Signature <i>David K. Saunders</i>		Date Month Day Year 06 06 01	
17 Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Donal G. Hanouin		Signature <i>Donal G. Hanouin</i>	
18 Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19 Discrepancy Indication Space							
20 Facility Owner or Operator. Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Printed/Typed Name PA7 TRS 523		Date Month Day Year 06 06 01	
Printed/Typed Name Elizabeth A Burton				Signature <i>Elizabeth A Burton</i>		Date Month Day Year 06 06 01	

GENERATOR FACILITY TRANSPORTER

EXHIBIT 9

WASTE DISPOSAL MANIFEST—THIRD QUARTER 2001

TO BE SENT UPON RECEIPT