

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
FAX: (408) 264-2435

TRANSMITTAL

TO: Mr. Robert Robles
Texaco Environmental Services
10 Universal City Plaza, 7th Floor
Universal City, California 91608

DATE: December 28, 1993
PROJECT NUMBER: 62073.01
SUBJECT: Final - Former Texaco Station
2225 Telegraph Avenue, Oakland,
California

FROM: Mr. Philip J. Mayberry
TITLE: Project Geologist

WE ARE SENDING YOU:

| COPIES | DATED | NO. | DESCRIPTION |
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| 5 bound | 12/28/93 | 62073.01 | Letter Report, Quarterly Groundwater Monitoring, Fourth Quarter 1993 |

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cc: Mr. Ron Zielinski, Texaco Environmental Services, Richmond - 1 bound

Copies: 1 to RESNA project file no. 62073.01


Project Geologist Philip J. Mayberry



Texaco Refining
and Marketing Inc

10 Universal City Plaza
Universal City CA 91508

ALCO
HAZMAT

94 JAN 18 PM 2:31

January 13, 1994

ENV - SERVICE STATIONS

Quarterly Groundwater Monitoring Report
2225 Telegraph Avenue
Oakland, California

Mr. Tom Peacock
Alameda County Environmental
Health Department
80 Swan Way, Room 200
Oakland, CA 94621

Dear Tom:

Enclosed is a copy of our quarterly technical letter report dated December 28, 1993, for the currently operating Exxon service station located at 2225 Telegraph Avenue in Oakland, California.

Please call me at (818) 505-2476 if you have any questions or wish to discuss the report further.

Very truly yours,
Texaco Refining and Marketing Inc.

Bob Robles
Environmental Protection Coordinator

RR:rr

Enclosure

Mr. Rich Hiett - RWQCB-San Francisco Bay Region
Mr. E. E. Villasenor - Exxon
RRZielinski

pr__

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San Jose, CA 95118
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December 28, 1993
62073.01

Mr. Robert Robles
Texaco Environmental Services
10 Universal City Plaza, 7th Floor
Universal City, California 91608

Subject: Recommendations to Accompany the Letter Report, Groundwater Monitoring and Sampling, Fourth Quarter 1993, Former Texaco Station, 2225 Telegraph Avenue, Oakland, California.

Mr. Robles:

As requested by Texaco Environmental Services, RESNA Industries Inc. (RESNA) performed monthly groundwater monitoring on October 27 and November 23, 1993, and quarterly groundwater sampling on October 27, 1993, at the subject site. Based on the findings of this monitoring event, RESNA recommends:

- continuing quarterly groundwater monitoring and sampling at the site to evaluate trends in the gasoline hydrocarbon concentrations in the groundwater.
- performing a limited search of records on file with local, County, and State agencies to evaluate the environmental history of the surrounding area.

RESNA recommends that copies of this letter report be forwarded to the appropriate agencies.



Executive Summary
2225 Telegraph Avenue, Oakland, California

December 28, 1993
62073.01

If you have any questions or comments regarding this report, please call (408) 264-7723.

Sincerely,
RESNA Industries Inc.



Philip J. Mayberry
Project Geologist

Enclosure: Groundwater Monitoring and Sampling, Fourth Quarter 1993

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
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LETTER REPORT
GROUNDWATER MONITORING AND SAMPLING
Fourth Quarter 1993
at
Former Texaco Station
2225 Telegraph Avenue
Oakland, California

62073.01

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
FAX: (408) 264-2435

December 28, 1993
62073.01

Mr. Robert Robles
Texaco Environmental Services
10 Universal City Plaza, 7th Floor
Universal City, California 91608

Subject: Groundwater Monitoring and Sampling, Fourth Quarter 1993, Texaco Service Station, 2225 Telegraph Avenue, Oakland, California.

Mr. Robles:

At the request of Texaco Environmental Services (TES), RESNA Industries Inc. (RESNA) has prepared this letter report which summarizes the results of monthly groundwater monitoring and quarterly groundwater sampling at the former Texaco Service Station located at 2225 Telegraph Avenue in Oakland, California (Plate 1, Site Vicinity Map) for the fourth quarter 1993 (October through December 1993). Monthly monitoring was conducted on October 27 and November 23, 1993, and quarterly groundwater sampling was conducted on October 27, 1993, to evaluate groundwater elevations, gradient and flow direction, the presence and thickness of any petroleum hydrocarbon sheen or floating product, and the distribution of dissolved hydrocarbons in the six groundwater monitoring wells (MW-6B, MW-6E, MW-6F, MW-6G, MW-6H, and MW-6I) sampled at this site. As requested by TES, wells RW-1 and RW-2 were not monitored or sampled this quarter. RESNA's groundwater sampling protocol and well purge data sheets are in Appendix A.

GROUNDWATER MONITORING

Based on the October 27, 1993, depth to water levels, groundwater elevations at the site have decreased an average of approximately 0.72 feet from the elevations reported last quarter (August 10, 1993). On October 27, 1993, the groundwater flow direction was interpreted to be toward the south-southeast with a hydraulic gradient of approximately 0.01 (Plate 2, Groundwater Gradient Map). Floating product or hydrocarbon sheen was not observed in the wells. Historical and recent monitoring data are summarized in Table 1, Cumulative Groundwater Monitoring Data.

GROUNDWATER SAMPLING

Groundwater samples were submitted to Mobile Chem Laboratories (California Hazardous Materials Testing Laboratory Certification No. 1223) in Martinez, California under chain of custody protocol. The samples were analyzed for the gasoline constituents benzene, toluene, ethylbenzene, and total xylenes, and total petroleum hydrocarbons as gasoline (TPHg) using modified Environmental Protection Agency (EPA) Methods 5030 and TPH LUFT with EPA Method 602. The Chain of Custody and Laboratory Analysis Documentation Reports are included in Appendix B.

GROUNDWATER ANALYTICAL RESULTS

Concentrations of TPHg in groundwater samples ranged from less than the method detection limit (MDL) of 50 parts per billion (ppb) to 1,600 ppb (well MW-6H). Dissolved benzene concentrations in groundwater samples ranged from less than the MDL of 0.5 ppb to 130 ppb (well MW-6H). TPHg and benzene concentrations are shown on Plate 3, TPHg/Benzene Concentrations in Groundwater. Historical and recent analytical data are summarized in Table 2, Cumulative Results of Laboratory Analyses of Groundwater Samples.

PURGE WATER RECYCLING

On November 12, 1993, approximately 75 gallons of purge water generated during purging and sampling of the monitoring wells were transported to Gibson Environmental in Redwood City, California for recycling. The Non-Hazardous Waste Data Form is included in Appendix C.

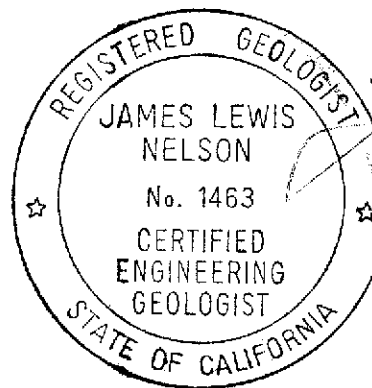
Fourth Quarter 1993 Quarterly Report
2225 Telegraph Avenue, Oakland, California

December 28, 1993
62073.01

If you have any questions or comments regarding this report, please call (408) 264-7723.

Sincerely,
RESNA Industries Inc.

Robin A. Adair
Robin A. Adair
Geologic Technician



James L. Nelson
James L. Nelson
★ Certified Engineering
Geologist 1463

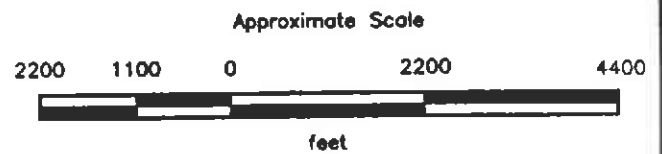
- Enclosures: Plate 1: Site Vicinity Map
Plate 2: Groundwater Gradient Map (October 27, 1993)
Plate 3: TPHg/Benzene Concentrations in Groundwater (October 27, 1993)
- Table 1: Cumulative Groundwater Monitoring Data
Table 2: Cumulative Results of Laboratory Analyses of Groundwater Samples
- Appendix A, Groundwater Sampling Protocol and Well Purge Data Sheets
Appendix B, Laboratory Analysis Reports and Chain of Custody Documentation
Appendix C, Non Hazardous Waste Data Form



Base: The Thomas Guide
Alameda County
Oakland, California.
1991

LEGEND

○ = Site Location



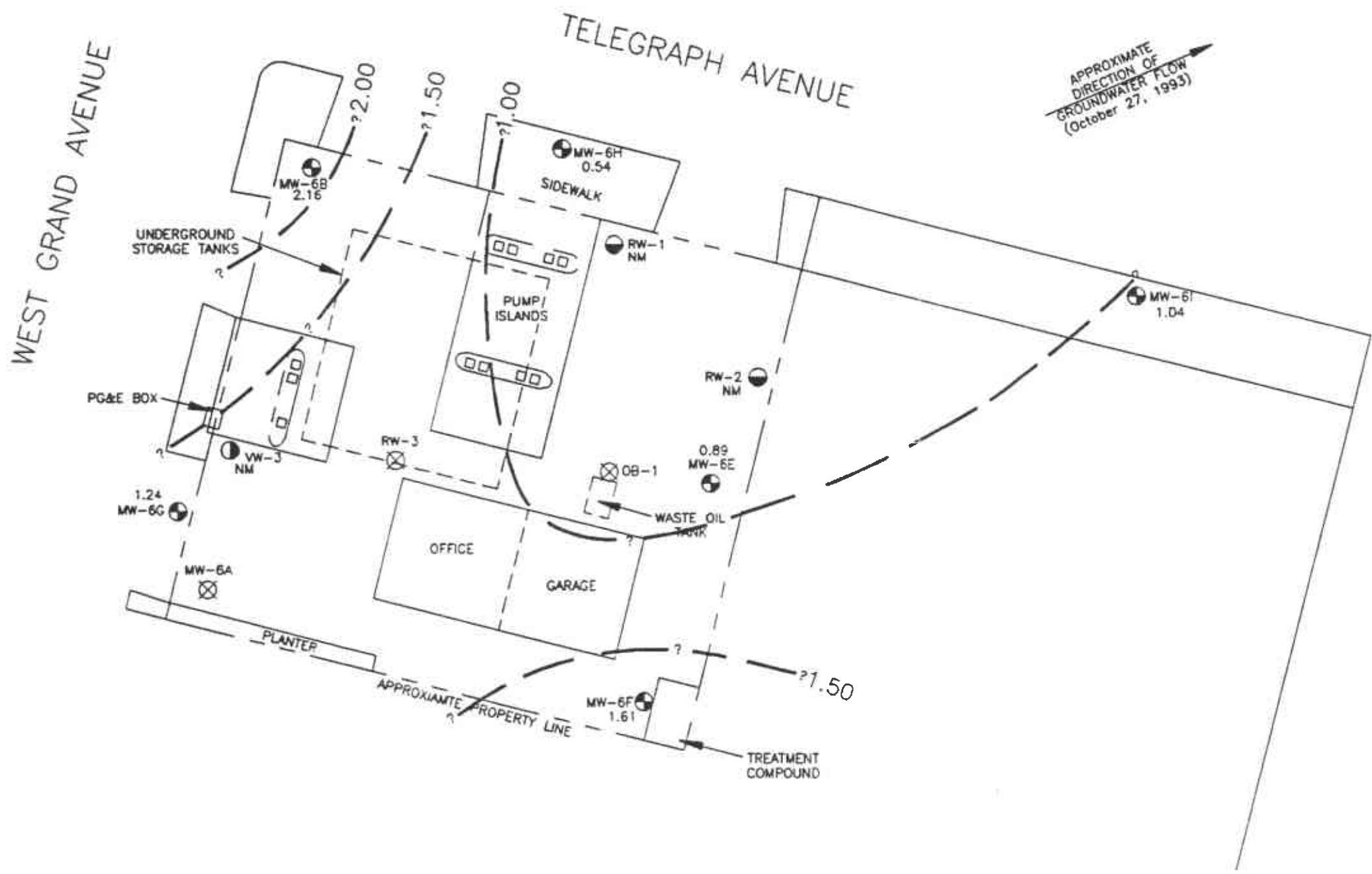
RESNA
Working to Restore Nature

PROJECT 62073.01

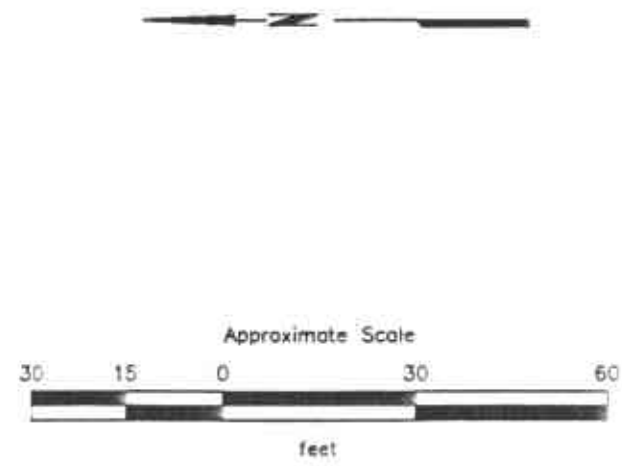
SITE VICINITY MAP
Former Texaco Station
2225 Telegraph Avenue
Oakland, California

PLATE

1



- EXPLANATION**
- MW-6I ⊕ = Groundwater monitoring well (Harding Lawson, 1988)
 - RW-2 ⊕ = Groundwater recovery/vapor extraction well (Harding Lawson, 1988 and 1990)
 - VW-3 ⊕ = Vapor extraction well (Harding Lawson, 1988)
 - RW-3 ⊗ = Destroyed well
 - 2.00 — = Line of equal elevation of groundwater in feet above mean sea level (MSL)
 - 2.16 = Elevation of groundwater in feet above MSL, October 27, 1993
 - NM = Not Monitored



Note:
 RW-1 was formerly B-3
 RW-2 was formerly MW-6D
 RW-3 was formerly MW-6C

Source: Modified from site plan provided by Harding Lawson Associates, dated July 29, 1992.



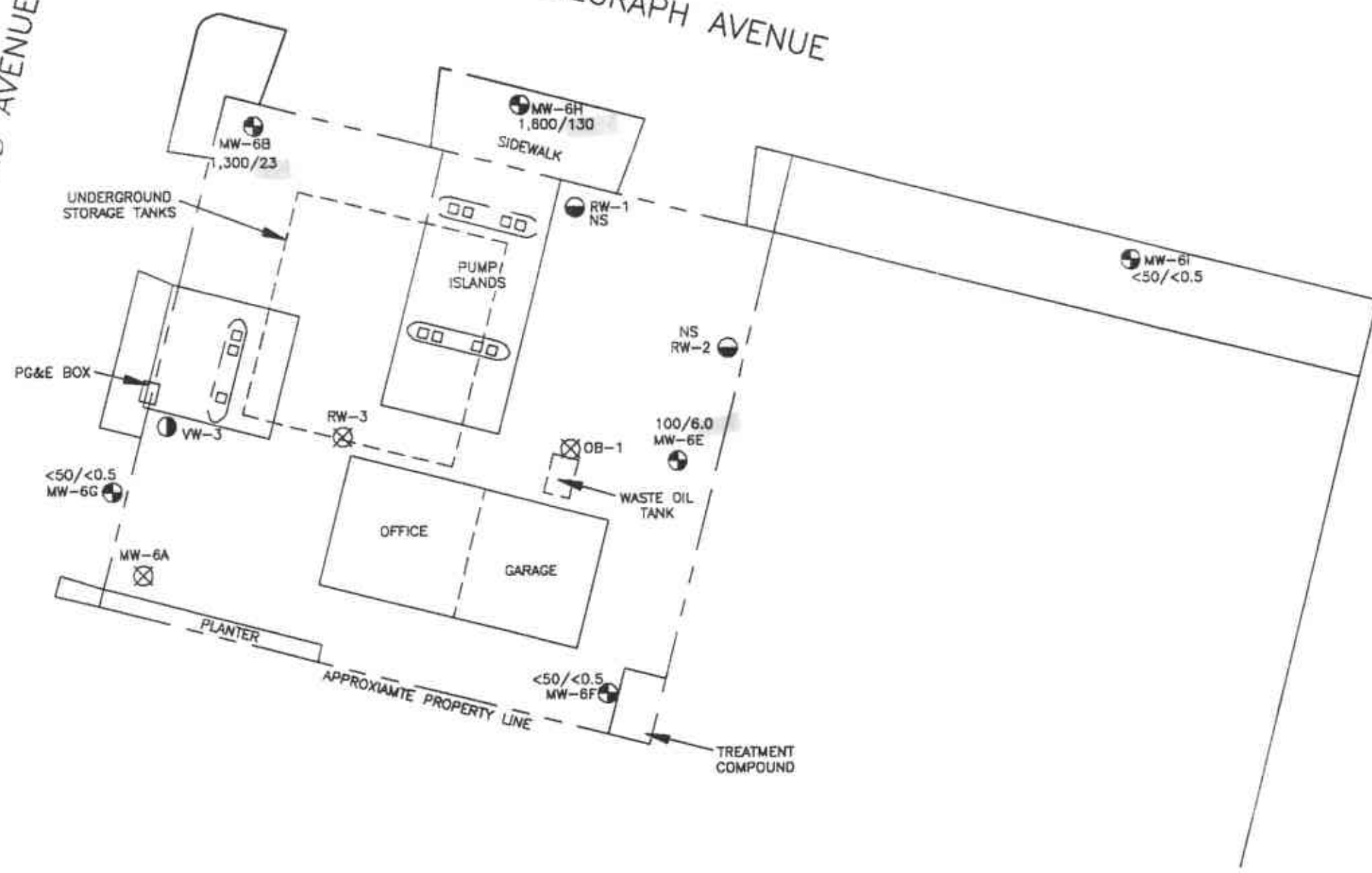
PROJECT 62073.01

GROUNDWATER GRADIENT MAP
 Former Texaco Station
 2225 Telegraph Avenue
 Oakland, California

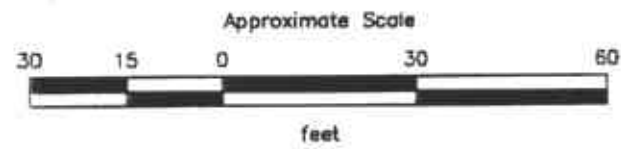
PLATE
 2

WEST GRAND AVENUE

TELEGRAPH AVENUE



- EXPLANATION**
- MW-6I ⊕ = Groundwater monitoring well (Harding Lawson, 1988)
 - RW-2 ⊖ = Groundwater recovery/vapor extraction well (Harding Lawson, 1988 and 1990)
 - VW-3 ⊖ = Vapor extraction well (Harding Lawson, 1988)
 - RW-3 ⊗ = Destroyed well
 - 1,600/130 = Concentration of TPHg/Benzene in groundwater in parts per billion, October 27, 1993
 - NS = Not sampled



Note:
 RW-1 was formerly B-3
 RW-2 was formerly MW-6D
 RW-3 was formerly MW-6C

Source: Modified from site plan provided by Harding Lawson Associates, dated July 29, 1992.



PROJECT 62073.01

TPHg/BENZENE CONCENTRATIONS IN GROUNDWATER
 Former Texaco Station
 2225 Telegraph Avenue
 Oakland, California

PLATE
 3

Fourth Quarter 1993 Quarterly Report
2225 Telegraph Avenue, Oakland, California

December 28, 1993
62073.01

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Texaco Service Station
2225 Telegraph Avenue
Oakland, California
(Page 1 of 8)

| Well | Date | Wellhead Elevation | Depth to Water | Groundwater Elevation* | Floating Product | |
|---------------------|---------------------|--------------------|----------------|------------------------|------------------|-------|
| <u>MW-6A</u> HLA | 12/15/88 | 98.99* | 13.77 | 85.22 | NA | |
| | 10/03/89 | | 13.40 | 85.59 | NA | |
| | 05/11/90 | | 12.87 | 86.12 | NA | |
| | 10/16/90 | | 13.27 | 85.72 | NA | |
| | 12/06/90 | | 13.28 | 85.71 | NA | |
| | 01/14/91 | | Not Monitored | | | |
| | 02/08/91 | | 12.49 | 86.50 | NA | |
| | 04/02/91 | | Not Monitored | | | |
| | 05/07/91 | | 11.94 | 87.05 | NA | |
| | 05/31/91 | | Not Accessible | | | |
| | 06/26/91 | | 12.87 | 86.12 | NA | |
| | 08/05/91 | | 13.44 | 85.55 | NA | |
| | 08/14/91 | | 13.47 | 85.52 | NA | |
| | 09/11/91 | | 13.48 | 85.51 | NA | |
| | 10/16/91 | | 13.64 | 85.35 | NA | |
| | 12/30/91 | | Well Destroyed | | | |
| | <u>MW-6B</u> HLA | | 12/15/88 | 98.81* | 13.01 | 85.80 |
| 10/03/89 | | 12.94 | 85.87 | | NA | |
| 04/30/90 | | 12.53 | 86.28 | | NA | |
| 10/16/90 | | 12.73 | 86.08 | | NA | |
| 12/06/90 | | 12.74 | 86.07 | | NA | |
| 01/14/91 | | 12.57 | 86.24 | | NA | |
| 02/08/91 | | 12.16 | 86.65 | | NA | |
| 04/02/91 | | 11.50 | 87.31 | | NA | |
| 05/07/91 | | 12.02 | 86.79 | | NA | |
| 05/31/91 | | 12.40 | 86.41 | | NA | |
| 06/26/91 | | 12.69 | 86.12 | | NA | |
| 08/05/91 | | 12.95 | 85.86 | | NA | |
| 08/14/91 | | 12.93 | 85.88 | | NA | |
| 09/11/91 | | 13.01 | 85.80 | | NA | |
| 10/16/91 | | 13.09 | 85.72 | | NA | |
| 12/30/91 | | 12.62 | 86.19 | | NA | |
| 02/25/92 | | 11.81 | 87.00 | | NA | |
| 03/25/92 | | 11.58 | 87.23 | | NA | |
| 06/16/92 | | 15.34** | 12.54 | | 2.80 | NA |
| RESNA | | | 09/08/92 | | 12.87 | 2.47 |
| 11/05/92 | 12.70 | | 2.64 | None | | |
| 12/14/92 | 12.19 | | 3.15 | None | | |

See notes on page 8 of 8.

Fourth Quarter 1993 Quarterly Report
2225 Telegraph Avenue, Oakland, California

December 28, 1993
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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Texaco Service Station
2225 Telegraph Avenue
Oakland, California
(Page 2 of 8)

| <u>Well</u> | <u>Date</u> | <u>Wellhead Elevation</u> | <u>Depth to Water</u> | <u>Groundwater Elevation*</u> | <u>Floating Product</u> |
|------------------------------|-------------|-------------------------------|---------------------------|-----------------------------------|-----------------------------|
| <u>MW-6B (cont'd)</u> | 01/28/93 | | 11.39 | 3.95 | None |
| | 02/11/93 | | 11.70 | 3.64 | None |
| | 03/09/93 | | 11.70 | 3.64 | None |
| | 04/14/93 | | 11.87 | 3.47 | None |
| | 05/11/93 | | 12.22 | 3.12 | None |
| | 06/17/93 | | 12.46 | 2.88 | None |
| | 07/26/93 | | 12.72 | 2.58 | None |
| | 08/10/93 | | 12.82 | 2.52 | None |
| | 09/21/93 | | 13.08 | 2.26 | None |
| | 10/27/93 | | 13.18 | 2.16 | None |
| | 11/23/93 | | 13.07 | 2.27 | None |
| <u>RW-3 (formerly MW-6C)</u> | | | | | |
| HLA | 12/15/88 | 99.89* | 14.41 | 85.48 | NA |
| | 10/03/89 | | 14.10 | 85.79 | NA |
| | 04/30/90 | | 13.81 | 86.68 | NA |
| | 10/16/90 | 98.97* | 13.29 | 85.68 | NA |
| | 01/14/91 | | 14.50 | 84.47 | NA |
| | 02/08/91 | | 12.54 | 86.43 | NA |
| | 04/02/91 | | 11.39 | 87.58 | NA |
| | 05/07/91 | | 12.47 | 86.50 | NA |
| | 05/31/91 | | 16.31 | 82.66 | NA |
| | 06/26/91 | | 15.50 | 83.47 | NA |
| | 08/05/91 | | 13.69 | 85.28 | NA |
| 08/13/91 | | 13.67 | 85.30 | NA | |
| 09/11/91 | | 13.77 | 85.20 | NA | |
| 10/16/91 | | 16.66 | 82.31 | NA | |
| | | | Well Destroyed | | |
| <u>RW-2 (formerly MW-6D)</u> | | | | | |
| HLA | 12/15/88 | 98.78* | 13.53 | 85.25 | NA |
| | 10/03/89 | | 13.44 | 85.34 | NA |
| | 04/30/90 | | 13.19 | 85.59 | NA |
| | 10/16/90 | 98.11* | 12.77 | 85.34 | NA |
| | 01/14/91 | | Not Monitored | | |
| | 02/08/91 | | 13.11 | 85.00 | NA |
| | 04/02/91 | | 11.70 | 86.41 | NA |
| | 05/07/91 | | 14.09 | 84.02 | NA |
| | 05/31/91 | | 16.01 | 82.10 | NA |
| | 06/26/91 | | 14.60 | 83.51 | NA |
| | 08/05/91 | | 14.00 | 84.11 | NA |

See notes on page 8 of 8.

Fourth Quarter 1993 Quarterly Report
2225 Telegraph Avenue, Oakland, California

December 28, 1993
62073.01

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Texaco Service Station
2225 Telegraph Avenue
Oakland, California
(Page 3 of 8)

| <u>Well</u> | Date | Wellhead Elevation | Depth to Water | Groundwater Elevation* | Floating Product |
|----------------------|----------|-----------------------|-------------------|---------------------------|---------------------|
| <u>RW-2 (cont'd)</u> | 08/13/91 | | 21.30 | 76.81 | NA |
| | 09/11/91 | | 19.97 | 78.14 | NA |
| | 10/16/91 | | 15.19 | 82.92 | NA |
| | 12/30/91 | | 13.19 | 84.92 | NA |
| | 02/25/92 | | 16.27 | 81.84 | NA |
| | 03/25/92 | | | Not Monitored | |
| | 06/16/92 | 14.61** | 12.86 | 1.75 | NA |
| | 09/08/92 | | | Not Monitored | |
| | 11/05/92 | | | Not Monitored | |
| | 12/14/92 | | | Not Monitored | |
| | 01/28/93 | | | Not Monitored | |
| | 02/11/93 | | | Not Monitored | |
| | 03/09/93 | | | Not Monitored | |
| | 04/14/93 | | | Not Monitored | |
| | 05/11/93 | | | Not Monitored | |
| | 06/17/93 | | | Not Monitored | |
| | 08/10/93 | | | Not Monitored | |
| | 09/21/93 | | | Not Monitored | |
| | 10/27/93 | | | Not Monitored | |
| | 11/23/93 | | | Not Monitored | |
| <u>MW-6E</u> HLA | 12/15/88 | 98.99* | 13.84 | 85.15 | NA |
| | 10/03/89 | | 13.70 | 85.29 | NA |
| | 04/30/90 | | 13.43 | 85.56 | NA |
| | 10/16/90 | | 13.77 | 85.22 | NA |
| | 12/06/90 | | 13.95 | 85.04 | NA |
| | 01/14/91 | | 13.95 | 85.04 | NA |
| | 02/08/91 | | 13.20 | 85.79 | NA |
| | 04/02/91 | | 12.28 | 86.71 | NA |
| | 05/07/91 | | 13.48 | 85.51 | NA |
| | 05/31/91 | | 14.09 | 84.90 | NA |
| | 06/26/91 | | 12.54 | 86.45 | NA |
| | 08/05/91 | | 14.39 | 84.60 | NA |
| | 08/14/91 | | 14.18 | 84.81 | NA |
| | 09/11/91 | | 14.73 | 84.26 | NA |
| | 10/16/91 | | 14.40 | 84.59 | NA |
| | 12/30/91 | | 13.39 | 85.60 | NA |
| | 02/25/92 | | 13.16 | 85.83 | NA |
| | 03/25/92 | | 12.15 | 86.84 | NA |
| 06/16/92 | 15.23** | 13.54 | 1.69 | NA | |

See notes on page 8 of 8.

Fourth Quarter 1993 Quarterly Report
2225 Telegraph Avenue, Oakland, California

December 28, 1993
62073.01

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Texaco Service Station
2225 Telegraph Avenue
Oakland, California
(Page 4 of 8)

| Well | Date | Wellhead Elevation | Depth to Water | Groundwater Elevation* | Floating Product |
|-----------------------|----------|--------------------|----------------|------------------------|------------------|
| <u>MW-6E (cont'd)</u> | | | | | |
| RESNA | 09/08/92 | | 14.78 | 0.45 | None |
| | 11/05/92 | | | Not Monitored | |
| | 12/14/92 | | | Not Monitored | |
| | 01/28/93 | | 11.62 | 3.61 | None |
| | 02/11/93 | | 12.85 | 2.38 | None |
| | 03/09/93 | | 12.83 | 2.40 | None |
| | 04/14/93 | | | Not Monitored | |
| | 05/11/93 | | 13.59 | 1.64 | None |
| | 06/17/93 | | 13.74 | 1.49 | None |
| | 07/26/93 | | 14.01 | 1.22 | None |
| | 08/10/93 | | 14.13 | 1.10 | None |
| | 09/21/93 | | 14.20 | 1.03 | None |
| | 10/27/93 | | 14.34 | 0.89 | None |
| | 11/23/93 | | 13.97 | 1.26 | None |
| <u>MW-6F</u> | | | | | |
| HLA | 12/15/88 | 99.91* | 14.73 | 85.18 | NA |
| | 10/03/89 | | 14.48 | 85.43 | NA |
| | 04/30/90 | | 14.14 | 85.77 | NA |
| | 10/16/90 | | 14.77 | 85.14 | NA |
| | 12/06/90 | | 14.81 | 85.10 | NA |
| | 01/14/91 | | 14.73 | 85.18 | NA |
| | 02/08/91 | | 13.73 | 86.18 | NA |
| | 04/02/91 | | 12.38 | 87.53 | NA |
| | 05/07/91 | | 13.67 | 86.24 | NA |
| | 05/31/91 | | 14.43 | 85.48 | NA |
| | 06/26/91 | | 14.81 | 85.10 | NA |
| | 08/05/91 | | 14.96 | 84.95 | NA |
| | 08/14/91 | | 14.87 | 85.04 | NA |
| | 09/11/91 | | 15.11 | 84.80 | NA |
| | 10/16/91 | | 15.16 | 84.75 | NA |
| | 12/30/91 | | 13.78 | 86.13 | NA |
| | 02/25/92 | | 12.68 | 87.23 | NA |
| | 03/25/92 | | 11.93 | 87.98 | NA |
| | 06/16/92 | 16.46** | 14.34 | 2.12 | NA |
| RESNA | 09/08/92 | | 14.75 | 1.71 | None |
| | 11/05/92 | | 14.35 | 2.11 | None |
| | 12/14/92 | | 12.90 | 3.56 | None |
| | 01/28/93 | | 11.60 | 4.86 | None |
| | 02/11/93 | | 12.25 | 4.21 | None |

See notes on page 8 of 8.

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Texaco Service Station
2225 Telegraph Avenue
Oakland, California
(Page 5 of 8)

| Well | Date | Wellhead Elevation | Depth to Water | Groundwater Elevation* | Floating Product | |
|-----------------------|---------------------|--------------------|----------------|------------------------------|------------------|------|
| <u>MW-6F (cont'd)</u> | 03/09/93 | | 12.50 | 3.96 | None | |
| | 04/14/93 | | 12.71 | 3.75 | None | |
| | 05/11/93 | | 13.63 | 2.83 | None | |
| | 06/17/93 | | 14.02 | 2.44 | None | |
| | 07/26/93 | | | Not Monitored | | |
| | 08/10/93 | | | Not Monitored | | |
| | 09/21/93 | | 14.80 | 1.66 | None | |
| | 10/27/93 | | 14.85 | 1.61 | None | |
| | 11/23/93 | | | Not Monitored - Inaccessible | | |
| | <u>MW-6G</u> HLA | 12/15/88 | 99.16* | 12.39 | 86.77 | NA |
| | | 10/03/89 | | 12.22 | 86.94 | NA |
| 04/30/90 | | | 11.73 | 87.43 | NA | |
| 10/16/90 | | | 12.28 | 86.88 | NA | |
| 12/06/90 | | | 12.27 | 86.89 | NA | |
| 01/14/91 | | | 12.14 | 87.02 | NA | |
| 02/08/91 | | | 11.44 | 87.72 | NA | |
| 04/02/91 | | | 10.03 | 89.13 | NA | |
| 05/07/91 | | | 11.00 | 88.16 | NA | |
| 05/31/91 | | | 11.75 | 87.41 | NA | |
| 06/26/91 | | | 12.91 | 86.25 | NA | |
| 08/05/91 | | | 12.43 | 86.73 | NA | |
| 08/14/91 | | | 12.43 | 86.73 | NA | |
| 09/11/91 | | | 12.48 | 86.68 | NA | |
| 10/16/91 | | | 12.64 | 86.52 | NA | |
| 12/30/91 | | | 11.80 | 87.36 | NA | |
| 02/25/92 | | | 10.32 | 88.84 | NA | |
| 03/25/92 | | | 9.93 | 89.23 | NA | |
| 06/16/92 | | 14.71** | 11.88 | 2.83 | NA | |
| RESNA | | 09/08/92 | | 12.20 | 2.51 | None |
| | 11/05/92 | | 12.02 | 2.69 | None | |
| | 12/14/92 | | 10.95 | 3.76 | None | |
| | 01/28/93 | | 9.56 | 5.15 | None | |
| | 02/11/93 | | 10.04 | 4.67 | None | |
| | 03/09/93 | | 10.10 | 4.61 | None | |
| | 04/14/93 | | 10.43 | 4.28 | None | |
| | 05/11/93 | | 11.05 | 3.66 | None | |
| | 06/17/93 | | 11.49 | 3.22 | None | |
| | 07/26/93 | | 11.98 | 2.73 | None | |
| 08/10/93 | | 12.17 | 2.54 | None | | |

See notes on page 8 of 8.

Fourth Quarter 1993 Quarterly Report
2225 Telegraph Avenue, Oakland, California

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Texaco Service Station
2225 Telegraph Avenue
Oakland, California
(Page 6 of 8)

| Well | Date | Wellhead Elevation | Depth to Water | Groundwater Elevation* | Floating Product |
|-----------------------|----------|--------------------|----------------|------------------------|------------------|
| <u>MW-6G (cont'd)</u> | 09/21/93 | | 12.42 | 2.29 | None |
| | 10/27/93 | | 13.47 | 1.24 | None |
| | 11/23/93 | | 12.48 | 2.23 | None |
| <u>MW-6H</u> HLA | 12/15/88 | 97.93* | 12.39 | 85.54 | NA |
| | 10/03/89 | | 12.36 | 85.57 | NA |
| | 04/30/90 | | 12.10 | 85.83 | NA |
| | 10/16/90 | | 12.18 | 85.75 | NA |
| | 12/06/90 | | 12.29 | 85.64 | NA |
| | 01/14/91 | | 12.22 | 85.71 | NA |
| | 02/08/91 | | 11.93 | 86.00 | NA |
| | 04/02/91 | | 11.59 | 86.34 | NA |
| | 05/07/91 | | 12.24 | 85.69 | NA |
| | 05/31/91 | | 12.22 | 85.71 | NA |
| | 06/26/91 | | 14.34 | 83.59 | NA |
| | 08/05/91 | | 12.62 | 85.31 | NA |
| | 08/14/91 | | 12.43 | 85.50 | NA |
| | 09/11/91 | | 12.83 | 85.10 | NA |
| | 10/16/91 | | 12.71 | 85.22 | NA |
| | 12/30/91 | | 12.16 | 85.77 | NA |
| | 02/25/92 | | 12.17 | 85.76 | NA |
| | 03/25/92 | | 11.65 | 86.28 | NA |
| | 06/16/92 | 14.47** | 12.12 | 2.35 | NA |
| | RESNA | 09/08/92 | | 12.30 | 2.17 |
| 11/05/92 | | | 12.05 | 2.42 | None |
| 12/14/92 | | | 11.65 | 2.82 | None |
| 01/28/93 | | | 11.57 | 2.90 | None |
| 02/11/93 | | | 12.22 | 2.25 | None |
| 03/09/93 | | | 12.02 | 2.45 | None |
| 04/14/93 | | | 12.02 | 2.45 | None |
| 05/11/93 | | | 12.35 | 2.12 | None |
| 06/17/93 | | | 12.22 | 2.25 | None |
| 07/26/93 | | | 12.32 | 2.15 | None |
| 08/10/93 | | | 12.30 | 2.17 | None |
| 09/21/93 | | | 12.79 | 1.68 | None |
| 10/27/93 | | 13.93 | 0.54 | None | |
| 11/23/93 | | 12.46 | 2.01 | None | |
| <u>MW-6I</u> HLA | 12/15/88 | 97.60* | 12.82 | 84.78 | NA |

See notes on page 8 of 8.

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Texaco Service Station
2225 Telegraph Avenue
Oakland, California
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| <u>Well</u> | Date | Wellhead Elevation | Depth to Water | Groundwater Elevation* | Floating Product | |
|-----------------------|----------|-----------------------|-------------------|---------------------------|---------------------|------|
| <u>MW-6I (cont'd)</u> | 10/03/89 | | 12.83 | 84.77 | NA | |
| | 04/30/90 | | 12.66 | 84.94 | NA | |
| | 10/16/90 | | 12.71 | 84.89 | NA | |
| | 12/06/90 | | 12.75 | 84.85 | NA | |
| | 01/14/91 | | 12.55 | 85.05 | NA | |
| | 02/08/91 | | 12.32 | 85.28 | NA | |
| | 04/02/91 | | 12.22 | 85.38 | NA | |
| | 05/07/91 | | 12.61 | 84.99 | NA | |
| | 05/31/91 | | 12.82 | 84.78 | NA | |
| | 06/26/91 | | 12.93 | 84.67 | NA | |
| | 08/05/91 | | 13.01 | 84.59 | NA | |
| | 08/14/91 | | 12.98 | 84.62 | NA | |
| | 09/11/91 | | 13.11 | 84.49 | NA | |
| | 10/16/91 | | 13.04 | 84.56 | NA | |
| | 12/30/91 | | 12.72 | 84.88 | NA | |
| | 02/25/92 | | 12.45 | 85.15 | NA | |
| | 03/25/92 | | 12.12 | 85.48 | NA | |
| | 06/16/92 | | 14.14** | 12.75 | 1.39 | NA |
| | 09/08/92 | | | 12.84 | 1.30 | None |
| | RESNA | 11/05/92 | | 12.75 | 1.39 | None |
| | | 12/14/92 | | 12.40 | 1.74 | None |
| | | 01/28/93 | | 12.20 | 1.94 | None |
| | | 02/11/93 | | 12.40 | 1.74 | None |
| 03/09/93 | | | 12.45 | 1.69 | None | |
| 04/14/93 | | | 12.43 | 1.71 | None | |
| 05/11/93 | | | 12.73 | 1.41 | None | |
| 06/17/93 | | | 12.78 | 1.36 | None | |
| 07/26/93 | | | 12.92 | 1.22 | None | |
| 08/10/93 | | | 12.97 | 1.17 | None | |
| 09/21/93 | | | 13.02 | 1.12 | None | |
| 10/27/93 | | 13.10 | 1.04 | None | | |
| 11/23/93 | | 13.02 | 1.12 | None | | |
| <u>RW-1 HLA</u> | 10/16/90 | 97.89* | 12.24 | 85.65 | NA | |
| | 01/14/91 | | 12.80 | 85.09 | NA | |
| | 02/08/91 | | 12.53 | 85.36 | NA | |
| | 04/02/91 | | NA | NA | NA | |
| | 05/07/91 | | NA | NA | NA | |
| | 05/31/91 | | 12.86 | 85.03 | NA | |
| | 08/05/91 | | 13.19 | 84.70 | NA | |

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TABLE 1
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Texaco Service Station
2225 Telegraph Avenue
Oakland, California
(Page 8 of 8)

| Well | Date | Wellhead Elevation | Depth to Water | Groundwater Elevation* | Floating Product |
|---------------|----------|--------------------|----------------|------------------------|------------------|
| RW-1 (cont'd) | 08/13/91 | | 14.05 | 83.84 | NA |
| | 09/11/91 | | 15.96 | 81.93 | NA |
| | 10/16/91 | | 16.00 | 81.89 | NA |
| | 12/30/91 | | 12.65 | 85.24 | NA |
| | 02/25/92 | | 14.40 | 83.49 | NA |
| | 03/25/92 | | NA | NA | NA |
| RESNA | 06/16/92 | 14.42** | 12.37 | 2.05 | NA |
| | 09/08/92 | | Not Monitored | | |
| | 11/05/92 | | Not Monitored | | |
| | 12/14/92 | | Not Monitored | | |
| | 01/18/93 | | Not Monitored | | |
| | 02/11/93 | | Not Monitored | | |
| | 03/09/93 | | Not Monitored | | |
| | 04/14/93 | | Not Monitored | | |
| | 05/11/93 | | Not Monitored | | |
| | 06/17/93 | | Not Monitored | | |
| | 07/26/93 | | Not Monitored | | |
| | 08/10/93 | | Not Monitored | | |
| | 09/21/93 | | Not Monitored | | |
| | 10/27/93 | | Not Monitored | | |
| | 11/23/93 | | Not Monitored | | |

Measurements in feet.

- * : Based on assigned benchmark with elevation arbitrarily set at 100 feet.
- ** : Elevation relative to mean sea level (MSL).
- NA : Not Available
- HLA : Monitoring by Harding Lawson Associates
- RESNA : RESNA Industries Inc. began monitoring.

RESNA assumes all wells are screened in the same hydrostratigraphic unit, as identified by the previous environmental consultant.

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Texaco Service Station
2225 Telegraph Avenue
Oakland, California
(Page 1 of 4)

| Well | Date | TPHg | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Total Oil and Grease |
|------------------------------|----------|--------|---------|----------------|-------------------|------------------|-------------------------|
| <u>MW-6A</u> | | | | | | | |
| HLA | 06/24/88 | NA | ND | ND | ND | ND | NA |
| | 10/20/88 | NA | 1.0 | ND | ND | ND | NA |
| | 09/07/89 | ND | 2.0 | ND | ND | ND | NA |
| | 05/11/90 | <500 | 150 | 6.2 | <0.25 | 13 | NA |
| | 05/07/91 | 2,700 | 700 | 64 | 67 | 74 | NA |
| | 08/14/91 | ND | 3.6 | <0.5 | <0.5 | <0.5 | NA |
| | 12/31/91 | | | Well Damaged | | | |
| | 03/25/92 | | | Well Damaged | | | |
| | 05/02/92 | | | Well Destroyed | | | |
| <u>MW-6B</u> | | | | | | | |
| HLA | 06/24/88 | NA | ND | ND | ND | 5.0 | NA |
| | 10/20/88 | NA | 4.0 | ND | ND | ND | NA |
| | 09/07/89 | 2,700 | 70 | 3.0 | ND | 160 | NA |
| | 04/30/90 | 168 | 45 | 8.0 | 60 | 22 | NA |
| | 05/07/91 | 3,300 | 240 | 6.0 | 20 | 660 | NA |
| | 08/14/91 | 980 | 9.1 | 42 | 310 | 150 | NA |
| | 12/31/91 | 1,200 | 46 | <5.0 | 85 | 220 | ND |
| | 03/25/92 | 190 | 31 | 8.6 | 84 | 8.6 | NA |
| | 06/16/92 | 1,700 | 44 | 1.7 | 7.2 | 230 | NA |
| RESNA | 09/08/92 | 2,900 | 35 | 8.3 | 110 | 330 | NA |
| | 11/05/92 | 1,400 | 29 | <0.5 | 75 | 190 | NA |
| | 02/11/93 | 210 | 1.2 | <0.5 | 2.8 | 4.3 | NA |
| | 05/11/93 | 570 | 54 | 2.4 | 37 | 36 | NA |
| | 08/10/93 | 1,300 | 48 | 2.4 | 28 | 44 | NA |
| | 10/27/93 | 1,300 | 23 | 1.7 | 25 | 250 | NA |
| <u>RW-3 (formerly MW-6C)</u> | | | | | | | |
| HLA | 06/24/88 | NA | 7,400 | 7.0 | 170 | 2,300 | NA |
| | 10/20/88 | NA | 9,500 | 65 | 170 | 850 | NA |
| | 09/07/89 | 18,000 | 7,900 | 430 | 350 | 1,100 | NA |
| | 04/30/90 | 30,000 | 6,100 | 1,500 | 1,000 | 2,700 | NA |
| | 05/07/91 | 5,800 | 4,200 | 640 | 220 | 670 | NA |
| | 08/14/91 | 3,800 | 2,300 | 300 | 49 | 360 | NA |
| | 11/05/91 | | | Well Destroyed | | | |
| <u>RW-2 (formerly MW-6D)</u> | | | | | | | |
| HLA | 07/11/88 | NA | 220 | 27 | <20 | <10 | NA |
| | 10/20/88 | NA | 710 | 74 | 22 | 110 | NA |

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
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Texaco Service Station
2225 Telegraph Avenue
Oakland, California
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| Well | Date | TPHg | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Total Oil and Grease | |
|----------------------|----------|----------|---------|-------------|-------------------|------------------|-------------------------|----|
| <u>RW-2</u> (cont'd) | 09/07/89 | 2,200 | 600 | 26 | 58 | 31 | NA | |
| | 04/30/90 | 3,600 | 800 | 150 | 310 | 280 | NA | |
| | 05/07/91 | 11,000 | 3,200 | 480 | 150 | 780 | NA | |
| | 08/14/91 | NA | NA | NA | NA | NA | NA | |
| | 12/31/91 | NA | NA | NA | NA | NA | NA | |
| | 03/25/92 | NA | NA | NA | NA | NA | NA | |
| | 06/16/92 | 28,000 | 2,900 | 1,000 | 120 | 2,700 | NA | |
| RESNA | 09/08/92 | | | Not Sampled | | | | |
| | 11/05/92 | | | Not Sampled | | | | |
| | 05/11/93 | | | Not Sampled | | | | |
| | 08/10/93 | | | Not Sampled | | | | |
| | 10/27/93 | | | Not Sampled | | | | |
| <u>MW-6E</u> HLA | 10/20/88 | NA | 1.0 | ND | ND | 3.0 | NA | |
| | 09/07/89 | 220 | 3.0 | ND | ND | ND | NA | |
| | 04/30/90 | 250 | 57 | <5.0 | <5.0 | 53 | NA | |
| | 05/07/91 | 160 | 32 | 1.0 | 2.2 | 1.4 | NA | |
| | 08/14/91 | ND | 0.9 | <0.5 | <0.5 | <0.5 | NA | |
| | 12/31/91 | 90 | 3.1 | <0.5 | <0.5 | <0.5 | ND | |
| | 03/25/92 | 830 | 41 | 1.0 | 3.8 | 16 | NA | |
| | 06/16/92 | 3,400 | 300 | 23 | 68 | 510 | NA | |
| | RESNA | 09/08/92 | 480 | 27 | <0.5 | 3.6 | 21 | NA |
| | | 11/05/92 | | | Not Sampled | | | |
| | | 02/11/93 | 270 | 15 | <0.5 | <0.5 | 8.7 | NA |
| | | 05/11/93 | <50 | 2.3 | <0.5 | 1.4 | 3.2 | NA |
| | 08/10/93 | 1,700 | 130 | 2.7 | 23 | 140 | NA | |
| | 10/27/93 | 100 | 6.0 | <0.5 | <0.5 | <0.5 | NA | |
| <u>MW-6F</u> HLA | 10/25/88 | ND | ND | ND | 2.0 | NA | NA | |
| | 09/07/89 | ND | ND | ND | ND | ND | NA | |
| | 04/30/90 | ND | ND | ND | ND | ND | NA | |
| | 05/07/91 | ND | ND | <0.5 | <0.5 | <0.5 | NA | |
| | 08/14/91 | ND | ND | <0.5 | <0.5 | <0.5 | NA | |
| | 12/31/91 | ND | ND | <0.5 | <0.5 | <0.5 | ND | |
| | 03/25/92 | ND | ND | <0.5 | <0.5 | <0.5 | NA | |
| | 06/16/92 | ND | ND | <0.5 | <0.5 | <0.5 | NA | |
| | RESNA | 09/08/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | | 11/05/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | | 02/11/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Texaco Service Station
2225 Telegraph Avenue
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| Well | Date | TPHg | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Total Oil and Grease |
|-----------------------|----------|-------|---------|-------------|-------------------|------------------|-------------------------|
| <u>MW-6F (cont'd)</u> | | | | | | | |
| | 05/11/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 08/10/93 | | | Not Sampled | | | |
| | 10/27/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| <u>MW-6G</u> | | | | | | | |
| HLA | 12/07/88 | ND | ND | ND | ND | NA | NA |
| | 09/07/89 | ND | ND | ND | ND | ND | NA |
| | 04/30/90 | ND | ND | ND | ND | ND | NA |
| | 05/07/91 | ND | ND | <0.5 | <0.5 | <0.5 | NA |
| | 08/14/91 | ND | ND | <0.5 | <0.5 | <0.5 | NA |
| | 12/31/91 | ND | ND | <0.5 | <0.5 | <0.5 | ND |
| | 03/25/92 | ND | ND | <0.5 | <0.5 | <0.5 | NA |
| | 06/16/92 | ND | ND | <0.5 | <0.5 | <0.5 | NA |
| RESNA | 09/08/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 11/05/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 02/11/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 05/11/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 08/10/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 10/27/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| <u>MW-6H</u> | | | | | | | |
| HLA | 12/07/88 | NA | 1,200 | 320 | 110 | 220 | NA |
| | 09/07/89 | 660 | 480 | <10 | 16 | <15 | NA |
| | 04/30/90 | 630 | 700 | 39 | 31 | 50 | NA |
| | 05/07/91 | 570 | 95 | 14 | 15 | 21 | NA |
| | 08/14/91 | 540 | 52 | 9.9 | 11 | 18 | NA |
| | 12/31/91 | 790 | 52 | 28 | 22 | 42 | ND |
| | 03/25/92 | 920 | 170 | 52 | 25 | 54 | NA |
| | 06/16/92 | 460 | 31 | 11 | 6.8 | 16 | NA |
| RESNA | 09/08/92 | 780 | 69 | 23 | 17 | 18 | NA |
| | 11/05/92 | 3,400 | 500 | 260 | 85 | 160 | NA |
| | 02/11/93 | 2,500 | 410 | 170 | 28 | 130 | NA |
| | 05/11/93 | 4,200 | 490 | 270 | 80 | 210 | NA |
| | 08/10/93 | 650 | 83 | 22 | 14 | 29 | NA |
| | 10/27/93 | 1,600 | 130 | 90 | 29 | 130 | NA |
| <u>MW-6I</u> | | | | | | | |
| HLA | 12/07/88 | ND | ND | ND | ND | NA | NA |
| | 09/07/89 | ND | ND | ND | ND | ND | NA |

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TABLE 2
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| Well | Date | TPHg | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Total Oil and Grease |
|-----------------------|----------|-------|---------|-------------|-------------------|------------------|-------------------------|
| <u>MW-6I (cont'd)</u> | | | | | | | |
| | 04/30/90 | ND | ND | ND | ND | ND | NA |
| | 05/07/91 | ND | ND | <0.5 | <0.5 | <0.5 | NA |
| | 08/14/91 | ND | ND | <0.5 | <0.5 | <0.5 | NA |
| | 12/31/91 | ND | ND | <0.5 | <0.5 | <0.5 | ND |
| | 03/25/92 | ND | ND | <0.5 | <0.5 | <0.5 | NA |
| | 06/16/92 | ND | ND | <0.5 | <0.5 | <0.5 | NA |
| RESNA | 09/08/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 11/05/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 02/11/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 05/11/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 08/10/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA |
| | 10/27/93 | <50 | <0.5 | <0.5 | <0.5 | 1.1 | NA |
| <u>RW-1</u> | | | | | | | |
| HLA | 06/16/92 | 6,200 | 620 | 1,400 | 240 | 1,400 | NA |
| RESNA | 09/08/92 | | | Not Sampled | | | |
| | 11/05/92 | | | Not Sampled | | | |
| | 02/11/93 | | | Not Sampled | | | |
| MCLs | | --- | 1.0 | --- | 680 | 1,750 | --- |
| DWAL | | --- | --- | 100 | --- | --- | --- |

Results in parts per billion (ppb).

- TPHg : Total petroleum hydrocarbons analyzed as gasoline.
- < : Less than the detection limit for the specified method of analysis.
- MCLs : Adopted Maximum Contaminant Levels in Drinking Water, DHS (October 1990)
- DWAL : Recommended Drinking Water Action Levels, DHS (October 1990)
- NA : Not Analyzed
- ND : Not detectable at or above method detection limit.
-
- HLA : Sampled by Harding Lawson Associates
- RESNA : RESNA Industries Inc. began sampling.

APPENDIX A

**GROUNDWATER SAMPLING PROTOCOL
WELL PURGE DATA SHEETS**

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GROUNDWATER SAMPLING PROTOCOL

The static water level and floating product level, if present, in each well that contained water was measured with an ORS Interphase Probe Model No. 1068018 or Solonist Water Level Indicator; these instruments are accurate to the nearest 0.01 foot. These groundwater depths were subtracted from wellhead elevations, including corrections for product thickness, when necessary, for gradient evaluation by multiplying product thickness (PT) by a correction factor 0.8 and subtracting from the DTW (Adjusted DTW = DTW - [PT x 0.8]).

Water samples collected for subjective evaluation were collected by gently lowering approximately half the length of a new disposable or Teflon® bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples were checked for measurable floating hydrocarbon product. All Teflon® bailers are triple rinsed with Alconox® and triple rinsed with distilled water prior to use.

Before water samples were collected from the groundwater monitoring wells, the wells were purged until stabilization of the temperature, Ph, and conductivity was obtained. Approximately four well casing volumes were purged before those characteristics stabilized. The quantity of water purged from each well was calculated as follows:

1 well casing volume = $\pi r^2 h (7.48)$ where:

- r = radius of the well casing in feet.
- h = column of water in the well in feet
(depth to bottom - depth to water).
- 7.48 = conversion constant from cubic feet to
gallons

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well was allowed to recharge to at least 80% of the initial water level. Water samples were collected with a new disposable or Teflon® bailer, and carefully poured into 40-milliliter (ml) glass vials, which were filled so as to produce a positive meniscus. Each vial was preserved with hydrochloric acid, sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace which would allow volatilization to occur. The samples were transported in iced storage in a thermally insulated ice chest, accompanied by a Chain of Custody form, to a California-certified laboratory.

WELL PURGE DATA SHEET

Project Name: Texaco - Oakland

Job No. 62073.01

Date: October 27, 1993

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Well No. MW-6B

Time Started 12:20

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|--------------|---------------------|--------------|------|------------------------|
| 12:20 | Start purging MW-6B | | | |
| 12:20 | 0.0 | 75.4 | 7.31 | 1340 |
| 12:28 | 1.0 | 73.7 | 7.26 | 1310 |
| 12:31 | 2.0 | 73.4 | 7.17 | 1360 |
| 12:37 | 3.0 | 70.8 | 7.18 | 1300 |
| 12:40 | 3.5 | 71.3 | 7.19 | 1360 |
| | Stop purging MW-6B | | | |

Notes:

Well Diameter (inches) : 2"
 Depth to Bottom (feet) : 18.06
 Depth to Water - initial (feet) : 13.18
 Depth to Water - final (feet) : 13.17
 % recovery : 100
 Time Sampled : 13:45
 Gallons per Well Casing Volume : 0.80
 Gallons Purged : 3.50
 Well Casing Volume Purged : 4.38
 Approximate Pumping Rate (gpm) : 0.5

WELL PURGE DATA SHEET

Project Name: Texaco - Oakland

Job No. 62073.01

Date: October 27, 1993

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Well No. MW-6E

Time Started 13:20

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|--------------|---------------------|--------------|------|------------------------|
| 13:20 | Start purging MW-6E | | | |
| 13:20 | 0 | 66.1 | 6.57 | 1130 |
| 13:25 | 3.5 | 66.1 | 6.65 | 1130 |
| 13:30 | 7.0 | 65.8 | 6.63 | 1140 |
| 14:10 | 10.5 | 67.6 | 6.76 | 1240 |
| 14:15 | 12.0 | 67.1 | 6.76 | 1170 |
| | Stop purging MW-6E | | | |

Notes:

Well Diameter (inches) : 4"
 Depth to Bottom (feet) : 19.96
 Depth to Water - initial (feet) : 14.34
 Depth to Water - final (feet) : 14.83
 % recovery : 91
 Time Sampled : 16:00
 Gallons per Well Casing Volume : 3.67
 Gallons Purged : 12.0
 Well Casing Volume Purged : 3.27
 Approximate Pumping Rate (gpm) : 1.0

WELL PURGE DATA SHEET

Project Name: Texaco - Oakland

Job No. 62073.01

Date: October 27, 1993

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Well No. MW-6F

Time Started 12:50

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|--------------|---------------------------------|--------------|-------|------------------------|
| 12:50 | Start purging MW-6F | | | |
| 12:50 | 0 | 68.4 | 6.83 | 770 |
| 12:55 | 3.5 | 67.3 | 6.97 | 910 |
| 13:00 | 7.0 | 66.7 | 6.95 | 940 |
| 13:15 | 9.5 | 66.3 | 7.13 | 960 |
| | | | | |
| | Stop purging MW-6F | | | |
| Notes: | | | | |
| | Well Diameter (inches) | : | 4" | |
| | Depth to Bottom (feet) | : | 19.73 | |
| | Depth to Water - initial (feet) | : | 14.85 | |
| | Depth to Water - final (feet) | : | 14.84 | |
| | % recovery | : | 100 | |
| | Time Sampled | : | 15:55 | |
| | Gallons per Well Casing Volume | : | 3.19 | |
| | Gallons Purged | : | 9.5 | |
| | Well Casing Volume Purged | : | 3 | |
| | Approximate Pumping Rate (gpm) | : | 1.0 | |

WELL PURGE DATA SHEET

Project Name: Texaco - Oakland

Job No. 62073.01

Date: October 27, 1993

Page 1 of 1

Well No. MW-6G

Time Started 14:35

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|--------------|---------------------|--------------|------|------------------------|
| 14:25 | Start purging MW-6G | | | |
| 14:25 | 0 | 74.3 | 7.10 | 1520 |
| 14:30 | 3.5 | 73.4 | 7.23 | 1530 |
| 14:35 | 7.0 | 73.3 | 7.24 | 1530 |
| 14:40 | 10.0 | 74.1 | 7.29 | 1490 |
| 14:45 | 13.5 | 73.0 | 7.31 | 1550 |
| 14:10 | Stop purging MW-6G | | | |

Notes:

Well Diameter (inches) : 4"
 Depth to Bottom (feet) : 18.58
 Depth to Water - initial (feet) : 13.47
 Depth to Water - final (feet) : 12.55
 % recovery : 100
 Time Sampled : 16:10
 Gallons per Well Casing Volume : 3.34
 Gallons Purged : 13.5
 Well Casing Volume Purged : 4.04
 Approximate Pumping Rate (gpm) : 1.0

WELL PURGE DATA SHEET

Project Name: Texaco - Oakland

Job No. 62073.01

Date: October 27, 1993

Page 1 of 1

Well No. MW-6H

Time Started 14:45

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|--------------|---|--------------|------|------------------------|
| 14:45 | Start purging MW-6H | | | |
| 14:45 | 0 | 74.6 | 7.02 | 870 |
| 14:50 | 3.75 | 74.5 | 7.02 | 770 |
| 14:55 | 7.50 | 73.0 | 7.04 | 1110 |
| 15:00 | 11.25 | 72.2 | 7.18 | 880 |
| 15:05 | 15.00 | 71.7 | 7.12 | 990 |
| | Stop purging MW-6H | | | |
| Notes: | | | | |
| | Well Diameter (inches) : 4" | | | |
| | Depth to Bottom (feet) : 19.67 | | | |
| | Depth to Water - initial (feet) : 13.93 | | | |
| | Depth to Water - final (feet) : 12.93 | | | |
| | % recovery : 100 | | | |
| | Time Sampled : 16:15 | | | |
| | Gallons per Well Casing Volume : 3.75 | | | |
| | Gallons Purged : 15.0 | | | |
| | Well Casing Volume Purged : 4.00 | | | |
| | Approximate Pumping Rate (gpm) : 1.0 | | | |

WELL PURGE DATA SHEET

Project Name: Texaco - Oakland

Job No. 62073.01

Date: October 27, 1993

Page 1 of 1

Well No. MW-6I

Time Started 15:15

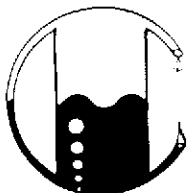
| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|--------------|---------------------|--------------|------|------------------------|
| 15:15 | Start purging MW-6I | | | |
| 15:15 | 0 | 68.9 | 7.26 | 1410 |
| 15:20 | 4.0 | 69.2 | 7.26 | 1450 |
| 15:25 | 8.5 | 68.4 | 7.32 | 1400 |
| 15:35 | 12.5 | 68.8 | 7.43 | 1460 |
| 15:40 | 14.5 | 68.4 | 7.39 | 1440 |
| | Stop purging MW-6I | | | |

Notes:

Well Diameter (inches) : 4"
 Depth to Bottom (feet) : 19.54
 Depth to Water - initial (feet) : 13.10
 Depth to Water - final (feet) : 13.24
 % recovery : 97.8
 Time Sampled : 16:20
 Gallons per Well Casing Volume : 4.21
 Gallons Purged : 14.5
 Well Casing Volume Purged : 3.37
 Approximate Pumping Rate (gpm) : 1.0

APPENDIX B

**LABORATORY ANALYSIS REPORTS AND
CHAIN OF CUSTODY DOCUMENTATION**



MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

62073.01\1718\013103

RESNA Industries
3315 Alampen Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 10-27-93
Date Received: 10-29-93
Date Analyzed: 11-05-93

Sample Number

103544

Sample Description

Project # 62073.01
Texaco - Oakland
2225 Telegraph
MW-6B WATER

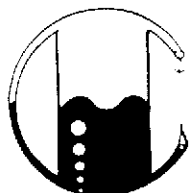
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ----- ppb | ----- ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | 1,300 |
| Benzene | 0.5 | 23 |
| Toluene | 0.5 | 1.7 |
| Xylenes | 0.5 | 250 |
| Ethylbenzene | 0.5 | 25 |

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

62073.01\1718\013103

RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 10-27-93
Date Received: 10-29-93
Date Analyzed: 11-05-93

Sample Number

103545

Sample Description

Project # 62073.01
Texaco - Oakland
2225 Telegraph
MW-6B Rinsate WATER

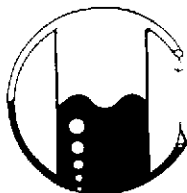
ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | 1.7 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



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RESNA Industries
3315 Alamen Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 10-27-93
Date Received: 10-29-93
Date Analyzed: 11-05-93

Sample Number

103547

Sample Description

Project # 62073.01
Texaco - Oakland
2225 Telegraph
MW-6E WATER

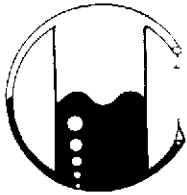
ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | 100 |
| Benzene | 0.5 | 6.0 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



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RESNA Industries
3315 Alamen Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 10-27-93
Date Received: 10-29-93
Date Analyzed: 11-05-93

Sample Number

103546

Sample Description

Project # 62073.01
Texaco - Oakland
2225 Telegraph
MW-6F WATER

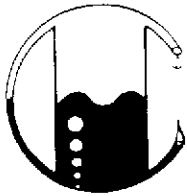
ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 10-27-93
Date Received: 10-29-93
Date Analyzed: 11-05-93

Sample Number

103548

Sample Description

Project # 62073.01
Texaco - Oakland
2225 Telegraph
MW-6G WATER

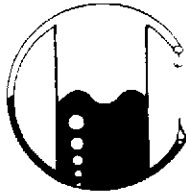
ANALYSIS

| | Detection Limit ----- ppb | Sample Results ----- ppb |
|---|------------------------------------|-----------------------------------|
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



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Phone (510) 372-3700 • Fax (510) 372-6955

62073.01\1718\013103

RESNA Industries
3315 Alamen Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 10-27-93
Date Received: 10-29-93
Date Analyzed: 11-05-93

Sample Number

103549

Sample Description

Project # 62073.01
Texaco - Oakland
2225 Telegraph
MW-6H WATER

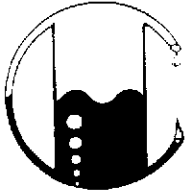
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ----- ppb | ----- ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | 1,600 |
| Benzene | 0.5 | 130 |
| Toluene | 0.5 | 90 |
| Xylenes | 0.5 | 130 |
| Ethylbenzene | 0.5 | 29 |

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

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62073.01\1718\013103

RESNA Industries
3315 Alamen Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 10-27-93
Date Received: 10-29-93
Date Analyzed: 11-05-93

Sample Number

103550

Sample Description

Project # 62073.01
Texaco - Oakland
2225 Telegraph
MW-6I WATER

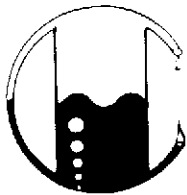
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ----- ppb | ----- ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | 1.1 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS


Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

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Phone (510) 372-3700 • Fax (510) 372-6955

62073.01\1718\013103

RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 10-27-93
Date Received: 10-29-93
Date Analyzed: 11-05-93

Sample Number

103543

Sample Description

Project # 62073.01
Texaco - Oakland
2225 Telegraph
Site Blank WATER

ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | 1.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

| PROJECT NO. 42073.01 | | PROJECT NAME/SITE TCA/110 2225 Telegraph, Oakland | | | | | ANALYSIS REQUESTED | | | | | | | | | | | P.O. #: | | | | | | | | | | | | | | | | | | | | |
|---|------------------|---|--|-------|------|------------|--|-------------|--|---|---|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| SAMPLERS Mary Ryschke (SIGN) | | (PRINT) <i>Mary Ryschke</i> | | | | | NO. CONTAINERS | SAMPLE TYPE | BTX (602/6020) TPH (6015) TPHd (6015) TOC 418/15520 601/6010 624/6240 623/6270 | | | | | | | | | | | REMARKS | | | | | | | | | | | | | | | | | | |
| SAMPLE IDENTIFICATION | | DATE | TIME | COMP. | GRAB | PRES. USED | | | ICED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Site Blank | | 10-27 | 1:42 | | | HD | ✓ | 2 | 146 | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-6B | | " | 1:45 | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-6B Rinse | | " | 1:48 | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-6E | | " | 3:25 | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-6E | | " | 4:00 | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-6C | | " | 4:10 | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-6H | | " | 4:15 | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-6I | | " | 4:20 | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY: <i>Mary Ryschke</i> | DATE 10/27/95 | TIME 5:30 | RECEIVED BY: | | | | LABORATORY: Mobile Chem | | | | | | | | | | | PLEASE SEND RESULTS TO: RESNA San Jose | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY: | DATE: | TIME: | RECEIVED BY: | | | | REQUESTED TURNAROUND TIME: Regular | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY: | DATE: | TIME: | RECEIVED BY: | | | | RECEIPT CONDITION: ON JOB NO keep space | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY: | DATE 10-29 | TIME 1:40 | RECEIVED BY LABORATORY: DAN KEU, NC | | | | PROJECT MANAGER: Phil Mayberry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX C
NON-HAZARDOUS WASTE DATA FORM

Gibson Environmental

01

Non-Hazardous Waste Data Form

Name Texaco EPA ID No. Phone _____

Mailing Address 108 Cutting Blvd. Richmond Ca.

Generating Site 2225 Tele. rd. Oakland 6207301 75 E. 12th Oakland 6207901 3771 Power

Waste: Liquid Richmond, 6208701 Soil Fremont, 6207601

Estimated Volume 450 BBLs/GALS San Pablo 6208801 TONS/YDS

Waste Description:

| Components of the Waste | PPM | % | Components of the Waste | PPM | % |
|-------------------------|-----|---|-------------------------|-----|---|
| <u>Purple Haze</u> | | | <u>Purple Haze</u> | | |
| _____ | | | _____ | | |
| _____ | | | _____ | | |

Special Handling Instructions Gloves Goggles Other _____

Generator certifies that the waste as described is 100% non-hazardous.

Robert A. Adams 11-12-93

Signature of Authorized Agent Date

Name Resna Industries EPA ID No.

Address 3315 Almaden Expy. Suite 34 Phone 1-800-926-0815

San Jose, Ca. Truck Unit ID 249

Pick Up Date 11-11-93

Order No. _____

Robert A. Adams 11-12-93

Signature Date

Facility

- CAD980883177 Gibson Environmental End of Commercial Dr. Bakersfield, CA 93308 (805) 327-0413
- CAD981458466 Gibson Environmental 401 Canal Avenue Wilmington, CA 90748 (310) 549-9117
- CAD043260702 Gibson Environmental 475 Seaport Blvd Redwood City, CA 94063 (415) 368-5511

Disposal Method: Recycle Release # 10629 Actual Tons/Gals 450

[Signature] GWR 4431 11/12/93

Signature Date