



EMCON

18912 North Creek Parkway • Suite 100 • Bothell, Washington 98011-8016 • (206) 485-5000 • Fax (206) 486-9766

TEXACO STATION # 63232 0037
KING CO., Seattle
LUST # 2298

RECEIVED
NOV 29 1995
DEPT. OF ECOLOGY

November 9, 1995
Project 40368-013.009

Ms. Theresa Geijer
Texaco Environmental Services
3400 188th Street SW, Suite 630
Lynnwood, Washington 98037

Re: Groundwater Sampling Report
Texaco Service Station 63-232-0037
8701 Greenwood Avenue North
Seattle, Washington

| | | | |
|---------------|-----------------------------|-------------------------------------|--|
| SITE 12/12/95 | | DEPARTMENT OF ECOLOGY | |
| | | NWRO/TCP TANK UNIT | |
| | | INC # 2298 | |
| | INTERIM CLEANUP REPORT | <input checked="" type="checkbox"/> | |
| | SITE CHARACTERIZATION | <input type="checkbox"/> | |
| | FINAL CLEANUP REPORT | <input type="checkbox"/> | |
| | OTHER <u>GW Monitoring</u> | <input checked="" type="checkbox"/> | |
| | AFFECTED MEDIA: SOIL | <input checked="" type="checkbox"/> | |
| | OTHER _____ GW | <input checked="" type="checkbox"/> | |
| | INSPECTOR (INIT.) <u>RV</u> | DATE <u>12/4/95</u> | |

Dear Ms. Geijer:

This letter report documents recent groundwater sampling activities that EMCON conducted at Texaco Service Station 63-232-0037, 8701 Greenwood Avenue North, Seattle, Washington (Figure 1). On September 11, 1995, EMCON measured the groundwater depth in five monitoring wells, obtained groundwater samples, and submitted the samples for laboratory analysis.

Attached are a site vicinity map, a September 11, 1995, groundwater data map, historical tables of groundwater monitoring data and groundwater laboratory results, the field sampling data sheets, a chain-of-custody form, and laboratory report for the September 11, 1995, sampling event.

If you have any questions about this report, please call.

Sincerely,

EMCON

Holly Corner

Holly Corner
Project Geologist

James Bailey

James Bailey, R.G.
Supervising Hydrogeologist

Attachments: Figures 1 and 2
Tables 1 and 2
Field Sample Data Sheets, September 11, 1995
Laboratory Report and Chain-of-custody Documentation





Texaco Refining and
Marketing Inc

3400 188th Street SW
Suite 630
Lynnwood WA 98037

November 27, 1995

RECEIVED

NOV 29 1995

DEPT. OF ECOLOGY

ENV - SERVICE STATIONS

Third Quarter 1995 Groundwater Monitoring and Sampling Data and Remediation Status Reports
8701 Greenwood Avenue North
Seattle, Washington (Texaco Facility #63-232-0037)

Mr. Roger Nye
Washington Department of Ecology- Northwest Region
3190 - 160th Avenue Southeast
Bellevue, Washington 98008-5452

Dear Mr. Nye:

Enclosed please find referenced Remediation Status and Groundwater Sampling (Third Quarter 1995) Reports. Operation of a combination airsparging and vapor extraction system was initiated in December 1994. This system was installed in the pea gravel of the former tank pit to remediate low concentrations of hydrocarbons in groundwater. The enclosed reports detail the installation, operation and monitoring of the remediation system. The system was shut down and removed at the end of June 1995 to allow for property development.

The most recent groundwater monitoring and sampling was conducted on September 11, 1995. Depth to water in five on-site monitoring wells (AGW-1, AGW-2, AGW-5, AGW-6 and AGW-7) ranged from approximately 0 to 3.6 feet bgs (below ground surface). As indicated by the groundwater contour map (Figure 2) in the enclosed Groundwater Sampling Report, the September 1995 groundwater flow direction was toward the south.

Groundwater samples collected from the five wells in September 1995 were submitted for chemical analysis of gasoline- (TPH-G), diesel-, and oil-range hydrocarbons, BTEX (benzene, toluene, ethylbenzene and xylenes) compounds and total lead. None of the analytes were detected at or above respective MTCA Method A Cleanup Levels. Chemical analytical data for the September event are shown in Figure 2. Table 2 lists chemical analytical data for this and previous sampling events. Concentrations of TPH-G and BTEX have shown a decreasing trend in all wells since 1991, with concentrations at or below the MTCA Method A Cleanup Levels during the last two quarters (September and June 1995).

Texaco will continue quarterly monitoring and sampling of groundwater. The next event is scheduled for December 1995. Texaco plans to request an 'NFA' letter if analytical data from the next two sampling events are consistent with the Third Quarter 1995 data. Texaco is anxious facilitate the property owners plans to develop this site in the near future. At the Friday December 1, 1995 (9:30 am) meeting at your office we will further discuss the plans for this site.

If you have any questions please contact me at (206) 774-6090, extension 224.

Sincerely,

Theresa A. Geijer, R.G.
Project Coordinator

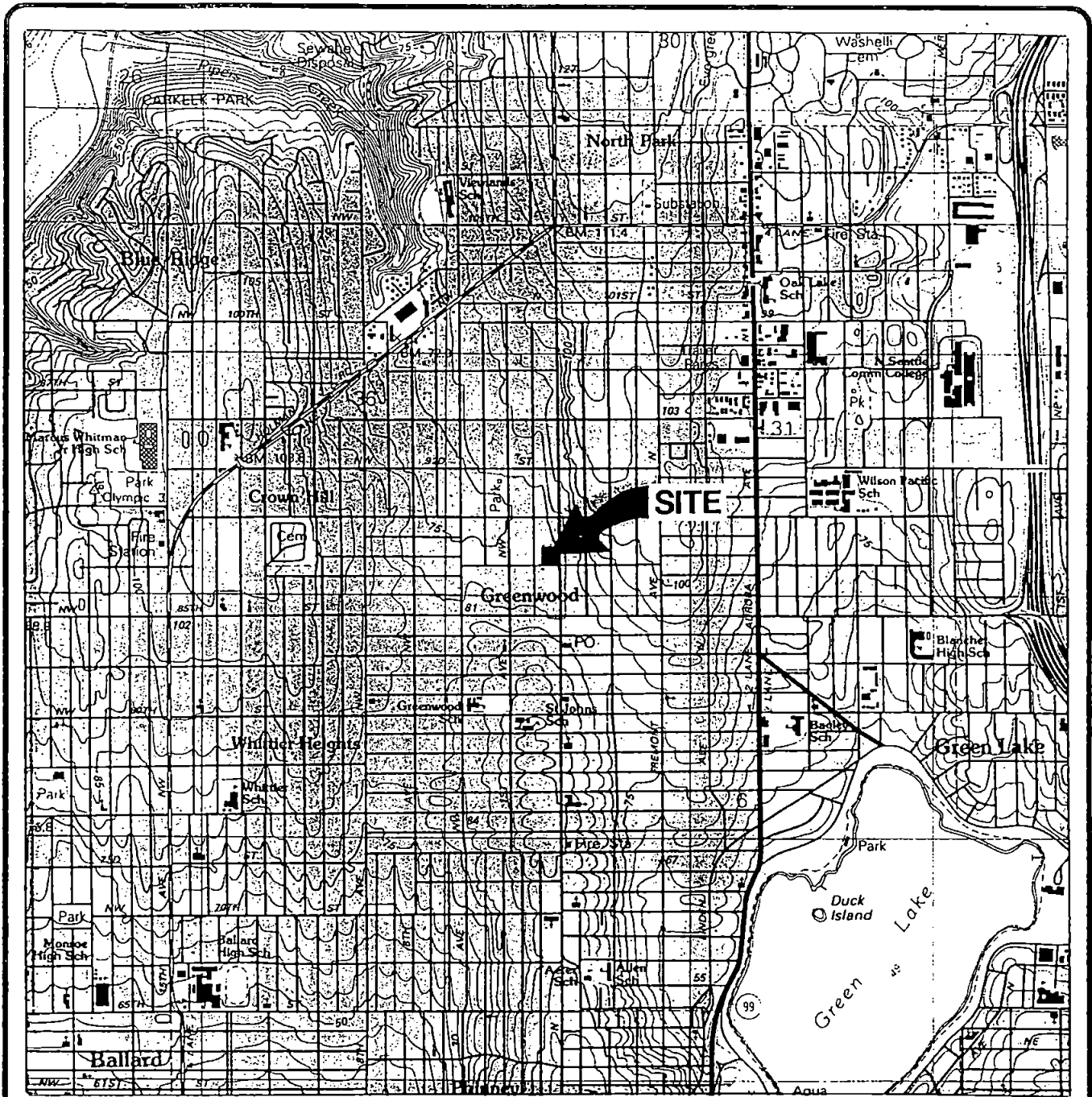
TAG:tag
p:\tag\greenw\rem395gw.cov

Enclosures

RLane-File-UCPFile (w/enclosures)
PNWRead (w/o enclosures)

cc: Mr. R. Isackson (w/enclosures)
Mr. R. Beighle (w/enclosures)

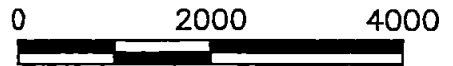
PR: hws



SOURCE: U.S.G.S. 7.5' x 15' Quadrangle, Seattle North, WA.



WASHINGTON



SCALE (Ft.)



DATE 3-95
 DWN. MLP
 REV. _____
 APPR. _____
 PROJECT NO.
 0368-013.11

Figure 1
 TEXACO SERVICE STATION
 8701 GREENWOOD AVENUE NORTH
 SEATTLE, WASHINGTON
SITE LOCATION MAP

| | |
|-------|-----|
| TPH-G | ND |
| TPH-D | ND |
| TPH-O | ND |
| B | 3.2 |
| T | ND |
| E | ND |
| X | ND |
| Pb | ND |

| | |
|-------|----|
| TPH-G | ND |
| TPH-D | ND |
| TPH-O | ND |
| B | ND |
| T | ND |
| E | ND |
| X | ND |
| Pb | ND |

| | |
|-------|-----|
| TPH-G | ND |
| TPH-D | ND |
| TPH-O | ND |
| B | 0.7 |
| T | ND |
| E | ND |
| X | ND |
| Pb | ND |

| | |
|-------|----|
| TPH-G | ND |
| TPH-D | ND |
| TPH-O | ND |
| B | ND |
| T | ND |
| E | ND |
| X | ND |
| Pb | ND |

| | |
|-------|----|
| TPH-G | ND |
| TPH-D | ND |
| TPH-O | ND |
| B | ND |
| T | ND |
| E | ND |
| X | ND |
| Pb | ND |

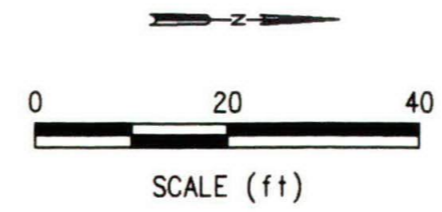
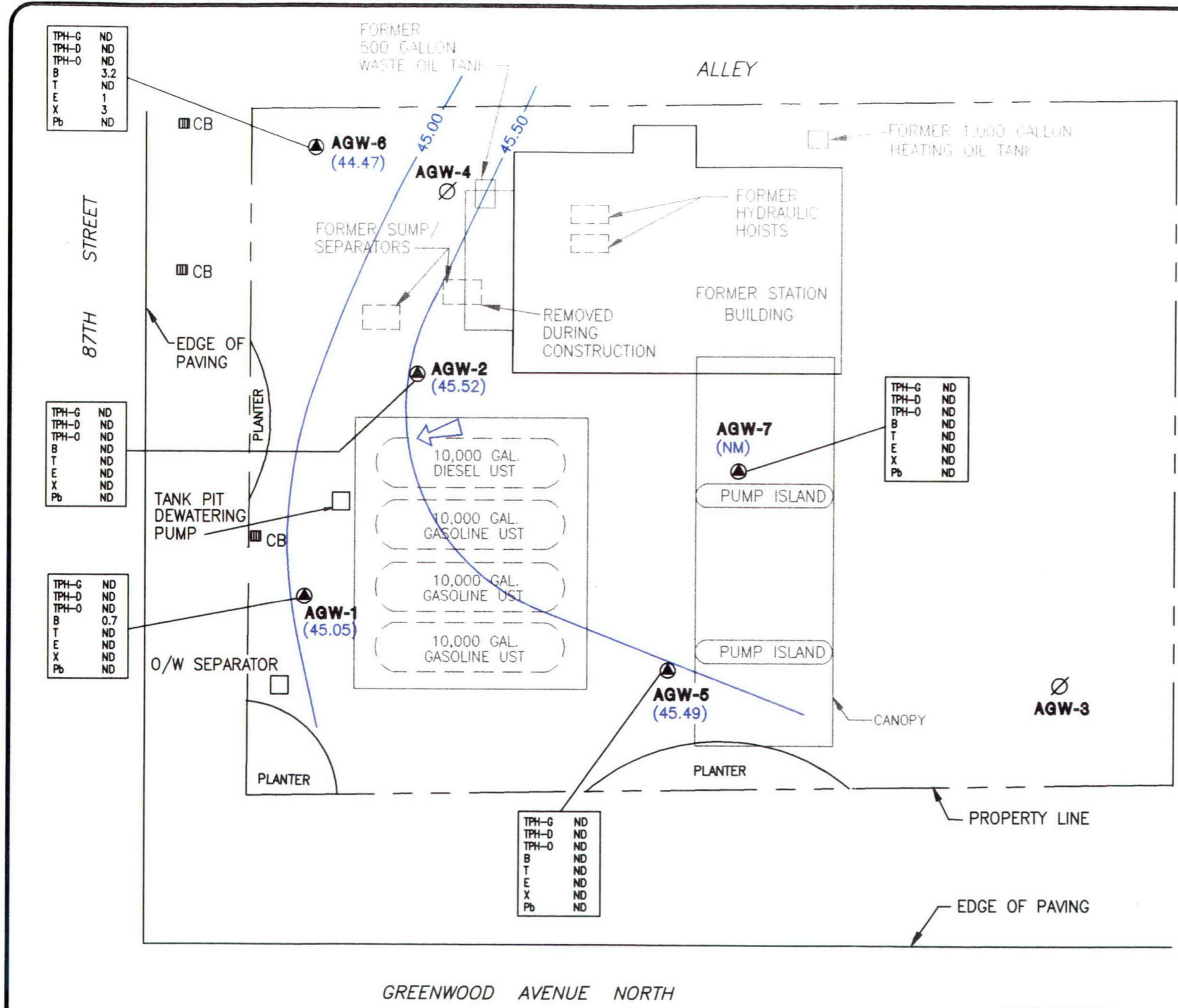
LEGEND:

- AGW-1 Monitoring Well Location and Well Number
- AGW-3 Decommissioned Monitoring Well
- CB Catch Basin
- 45.00 — Groundwater Elevation Contour
- (41.43) Relative Groundwater Elevation
- Inferred Groundwater Flow Direction
- (NM) Actual elevation could not be calculated because of flowing conditions at the well.

Contours may not reflect potential effects of the former UST basin.

| | | |
|-------|-----|---|
| TPH-G | 60 | Laboratory Results in Parts per Billion |
| TPH-D | ND | |
| TPH-O | ND | |
| B | 5.3 | |
| T | ND | |
| E | 2 | |
| X | 3 | |
| Pb | ND | |

- TPH-G = Total Petroleum Hydrocarbons as Gasoline
- TPH-D = Total Petroleum Hydrocarbons as Diesel
- TPH-O = Total Petroleum Hydrocarbons as Oil
- B = Benzene
- T = Toluene
- E = Ethylbenzene
- X = Total Xylenes
- Pb = Total Lead
- ND = Not Detected at or Above Method Reporting Limits
- = Not Analyzed



DATE 10-95
 DWN. _____
 REV. _____
 APPR. _____
 PROJECT NO.
 40368-013.011

Figure 2
 8701 GREENWOOD AVENUE NORTH
 SEATTLE, WASHINGTON
GROUNDWATER DATA
 (SEPTEMBER 11, 1995)

Table 1

Groundwater Monitoring Data
 Texaco Service Station 63-232-0037
 8701 Greenwood Avenue North
 Seattle, Washington

| Well Number | Screened Interval (feet bgs) | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Depth to Product (feet) | Groundwater Elevation (feet) | Groundwater Elevation Change Since Last Measurement (feet) |
|-------------|------------------------------|--------------------------------|----------|-----------------------|-------------------------|------------------------------|--|
| AGW-1 | 4.5 - 19.5 | 47.36 | 04/03/91 | 3.18 | None | 44.18 | — |
| | | | 05/15/91 | — | None | — | — |
| | | | 08/15/91 | 0.62 | None | 46.74 | +2.56 |
| | | | 11/21/91 | 0.70 | None | 46.88 | +0.14 |
| | | | 03/06/92 | 0.47 | None | 46.89 | +0.01 |
| | | | 11/06/92 | 0.46 | None | 46.90 | +0.01 |
| | | | 03/26/93 | 0.49 | None | 46.87 | -0.03 |
| | | | 06/09/93 | 0.42 | None | 46.94 | +0.07 |
| | | | 03/17/94 | 1.99 | None | 45.37 | -1.57 |
| | | | 11/10/94 | 1.21 | None | 46.15 | +0.78 |
| | | | 02/24/95 | 6.90 | None | 40.46 | -5.69 |
| | | | 06/28/95 | 5.93 | None | 41.43 | +0.97 |
| | | | 9/11/95 | 2.31 | None | 45.05 | +3.62 |
| | | 03/17/94 | 47.36* | None | 45.37 | -1.57 | |
| AGW-2 | 4.5 - 19.0 | 47.59 | 04/03/91 | 3.43 | None | 44.16 | — |
| | | | 05/15/91 | — | None | — | — |
| | | | 08/15/91 | 1.65 | None | 45.94 | +1.78 |
| | | | 11/21/91 | 1.30 | None | 46.29 | +0.35 |
| | | | 03/06/92 | 1.14 | None | 46.45 | +0.16 |
| | | | 11/06/92 | 1.18 | None | 46.41 | -0.04 |
| | | | 03/26/93 | 1.18 | None | 46.41 | 0.00 |
| | | | 06/09/93 | 1.06 | None | 46.53 | +0.12 |

Table 1

Groundwater Monitoring Data
 Texaco Service Station 63-232-0037
 8701 Greenwood Avenue North
 Seattle, Washington

| Well Number | Screened Interval (feet bgs) | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Depth to Product (feet) | Groundwater Elevation (feet) | Groundwater Elevation Change Since Last Measurement (feet) |
|----------------------------------|------------------------------|--------------------------------|----------|-----------------------|-------------------------|------------------------------|--|
| AGW-2 (continued) | | 47.64* | 03/17/94 | 2.18 | None | 45.46 | -0.07 |
| | | | 11/10/94 | 1.57 | None | 46.07 | +0.61 |
| | | | 02/24/95 | 5.84 | None | 41.80 | -4.27 |
| | | | 06/28/95 | 5.41 | None | 42.23 | +0.43 |
| | | | 09/11/95 | 2.12 | None | 45.52 | +3.29 |
| AGW-3 Well Decommissioned | 4.5 - 19.0 | 49.10 | 03/29/91 | — | None | 49.10 | — |
| AGW-4 Well Decommissioned | 4.5 - 19.5 | 47.97 | 04/03/91 | 4.61 | None | 43.36 | — |
| | | | 05/15/91 | — | None | — | — |
| | | | 08/15/91 | 2.76 | None | 45.21 | +1.85 |
| | | | 11/21/91 | 2.45 | None | 45.52 | +0.31 |
| | | | 03/06/92 | 2.45 | None | 45.52 | 0.00 |
| | | | 11/06/92 | 3.21 | None | 44.79 | -0.76 |
| | | | 03/26/93 | 3.03 | None | 44.94 | +0.18 |
| | | | 06/09/93 | 2.66 | None | 45.31 | +0.37 |
| AGW-5 | 4.5 - 19.5 | 49.47 | 04/03/91 | 2.78 | None | 46.69 | — |
| | | | 05/15/91 | — | None | — | — |
| | | | 08/15/91 | 1.53 | None | 47.94 | +1.25 |
| | | | 11/21/91 | 2.40 | None | 47.07 | -0.87 |
| | | | 03/06/92 | 1.45 | None | 48.02 | +0.95 |

Table 1

Groundwater Monitoring Data
 Texaco Service Station 63-232-0037
 8701 Greenwood Avenue North
 Seattle, Washington

| Well Number | Screened Interval (feet bgs) | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Depth to Product (feet) | Groundwater Elevation (feet) | Groundwater Elevation Change Since Last Measurement (feet) |
|----------------------|------------------------------|--------------------------------|----------|-----------------------|-------------------------|------------------------------|--|
| AGW-5 (continued) | | 49.11* | 11/06/92 | 2.27 | None | 47.20 | -0.82 |
| | | | 03/26/93 | 2.05 | None | 47.42 | +0.22 |
| | | | 06/09/93 | 1.95 | None | 47.52 | +0.10 |
| | | | 03/17/94 | 1.65* | None | 47.46 | -0.06 |
| | | | 11/10/94 | 3.52 | None | 45.59 | -1.87 |
| | | | 02/24/95 | 3.79 | None | 45.32 | -0.27 |
| | | | 06/28/95 | 3.61 | None | 45.50 | +0.18 |
| AGW-6 | 14.0 - 24.0 | 46.17* | 09/11/95 | 3.62 | None | 45.49 | -0.01 |
| | | | 03/17/94 | .51 | None | 45.66 | — |
| | | | 11/10/94 | 1.58 | None | 44.59 | -1.07 |
| | | | 02/24/95 | 2.62 | None | 43.55 | -1.04 |
| | | | 06/28/95 | 3.97 | None | 42.20 | -1.35 |
| AGW-7 | 16.0 - 26.0 | 48.70 | 09/11/95 | 1.70 | None | 44.47 | +2.27 |
| | | | 03/17/94 | .05 | None | 48.65 | — |
| | | | 11/10/94 | 0.00 | None | 48.70 | +0.05 |
| | | | 02/24/95 | 1.64 | None | 47.06 | -1.64 |
| | | | 06/28/95 | 1.26 | None | 47.44 | +0.38 |
| | | | 09/11/95 | 0.00 | None | NM | NM |

NOTE: * = resurveyed March 16, 1994.
 NM = not measurable due to flowing conditions.

Table 2

Groundwater Laboratory Results
 Texaco Station 63-232-0037
 8701 Greenwood Avenue North
 Seattle, Washington

| Monitoring Well | Date | Results of Analyses (µg/L) | | | | | | | |
|---|------------|----------------------------|----------------------------------|-------|---------|---------------------|---------------|---------------|------------|
| | | Ecology Method WTPH-G | Ecology Method WTPH-D (extended) | | | EPA Method 5030/602 | | | |
| Well Number | | TPH-G | TPH-D | TPH-O | Benzene | Toluene | Ethyl-benzene | Total Xylenes | Total Lead |
| MTCA Method A Cleanup Levels ^a | | 1,000 | 1,000 | 1,000 | 5 | 40 | 30 | 20 | 5 |
| AGW-1 | 04/03/91 | ND | — | — | ND | ND | ND | ND | — |
| | 05/15/91 | — | — | — | 440 | 1,000 | 92 | 670 | — |
| | 08/15/91 | 361,000 | — | — | 1,400 | 7,400 | 1,000 | 8,100 | ND |
| | 11/21/91 | 47,000 | ND | ND | 680 | 6,400 | 2,000 | 13,000 | — |
| | 03/06/92 | 48,000 | ND | ND | 710 | 3,200 | 1,400 | 8,700 | ND |
| | 11/06/92 | 37,000 | — | — | 95.1 | 260 | 1,400 | 8,200 | ND |
| | 03/26/93 | 18,400 | — | — | 42.8 | 27 | 397 | 1,450 | ND |
| | 06/09/93 | 15,000 | — | — | 35.2 | 23 | 415 | 1,530 | ND |
| | 03/17/94 | 1,960 | 730 | ND | 17.8 | 8 | 24 | 104 | ND |
| | 11/10/94 | ND | 840 | ND | 2.2 | ND | ND | 2 | ND |
| | *11/10/94 | ND | — | — | 2.2 | ND | ND | 2 | — |
| | ② 02/24/95 | 180 | ND | ND | 4.8 | ND | 6 | 6 | ND |
| | 02/24/95 | 190 | — | — | 5.3 | ND | 6 | 7 | — |
| | ③ 06/28/95 | 60 | ND | ND | 5.3 | ND | 2 | 3 | ND |
| | 06/28/95 | 60 | ND | ND | 5.3 | ND | 2 | 3 | ND |
| | 4 09/11/95 | ND | ND | ND | 0.7 | ND | ND | ND | ND |
| 09/11/95 | ND | — | — | 0.8 | ND | ND | ND | — | |
| AGW-2 | 04/03/91 | — | — | — | ND | ND | ND | ND | — |
| | 05/15/91 | — | — | — | ND | ND | ND | ND | — |
| | 08/15/91 | 1,030 | — | — | 250 | 220 | 15 | 86 | ND |

Table 2

Groundwater Laboratory Results
 Texaco Station 63-232-0037
 8701 Greenwood Avenue North
 Seattle, Washington

| Monitoring Well | Date | Results of Analyses (µg/L) | | | | | | | |
|---|----------|----------------------------|----------------------------------|-------|---------|---------------------|---------------|---------------|------------|
| | | Ecology Method WTPH-G | Ecology Method WTPH-D (extended) | | | EPA Method 5030/602 | | | |
| Well Number | | TPH-G | TPH-D | TPH-O | Benzene | Toluene | Ethyl-benzene | Total Xylenes | Total Lead |
| MTCA Method A Cleanup Levels ^a | | 1,000 | 1,000 | 1,000 | 5 | 40 | 30 | 20 | 5 |
| AGW-2, cont. / 2 3 | 11/21/91 | 7,300 | ND | 1,200 | 910 | 1,300 | 260 | 1,200 | — |
| | 03/06/92 | 24,000 | ND | 1,100 | 870 | 3,700 | 760 | 4,900 | ND |
| | 11/06/92 | 3,230 | — | — | 152 | 98 | 175 | 804 | ND |
| | 03/26/93 | 3,390 | 340 | ND | 113 | 33 | 149 | 642 | ND |
| | 06/09/93 | 3,270 | ND | ND | 108 | 18 | 164 | 666 | 3 |
| | 03/17/94 | 470 | 270 | ND | 18.4 | ND | 17 | 68 | ND |
| | 11/10/94 | 470 | ND | ND | 11.5 | ND | 10 | 72 | ND |
| | 02/24/95 | 110 | ND | ND | 2.8 | ND | 2 | 14 | ND |
| | 06/28/95 | 60 | 440 | ND | 0.6 | ND | ND | 1 | ND |
| 09/11/95 | ND | ND | ND | ND | ND | ND | ND | ND | |
| AGW-3 | 03/29/91 | — | — | — | ND | ND | ND | ND | — |
| Well Decommissioned | | | | | | | | | |
| AGW-4 | 04/03/91 | — | — | — | 2.6 | 20 | 2.7 | 31 | — |
| | 05/15/91 | — | — | — | 8.4 | 19 | 2.4 | 20 | — |
| | 08/15/91 | 1,200 | 3,260 | — | 11 | 4 | 1 | 7 | 4 |
| | 11/21/91 | 3,500 | ND | 2,040 | 660 | 700 | 21 | 133 | — |
| | 03/06/92 | ND | ND | 800 | 139 | 182 | 3 | 18 | ND |
| | 11/06/92 | 90 | — | — | 20.9 | 13 | 4 | 17 | ND |
| | 03/26/93 | 999 | 480 | ND | 31.8 | 35 | 51 | 246 | ND |

Table 2

Groundwater Laboratory Results
 Texaco Station 63-232-0037
 8701 Greenwood Avenue North
 Seattle, Washington

| Monitoring Well | Date | Results of Analyses (µg/L) | | | | | | | |
|---|---------------|----------------------------|----------------------------------|-------|---------|---------------------|---------------|---------------|------------|
| | | Ecology Method WTPH-G | Ecology Method WTPH-D (extended) | | | EPA Method 5030/602 | | | |
| Well Number | | TPH-G | TPH-D | TPH-O | Benzene | Toluene | Ethyl-benzene | Total Xylenes | Total Lead |
| MTCA Method A Cleanup Levels ^a | | 1,000 | 1,000 | 1,000 | 5 | 40 | 30 | 20 | 5 |
| AGW-4, cont. | 06/09/93 | 1,900 | 1,060 | ND | 61.1 | 64 | 108 | 533 | ND |
| | 03/17/94 | — | — | — | — | — | — | — | — |
| Well Decommissioned | | | | | | | | | |
| AGW-5 | 04/03/91 | — | — | — | 30 | 10 | 5 | 7 | — |
| | 05/15/91 | — | — | — | 220 | 53 | 3.5 | 12 | — |
| | 08/15/91 | — | — | — | 9.4 | ND | ND | ND | ND |
| | 1 / 11/21/91 | 100 | ND | ND | 2.5 | ND | ND | ND | — |
| | 2 / 03/06/92 | ND | ND | ND | 0.9 | ND | ND | ND | ND |
| | 3 / 11/06/92 | ND | — | — | ND | ND | ND | ND | ND |
| | 4 / 03/26/93 | ND | — | — | ND | ND | ND | ND | ND |
| | 5 / 06/09/93 | ND | — | — | ND | ND | ND | ND | ND |
| | 6 / 03/17/94 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 7 / 11/10/94 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8 / 02/24/95 | ND | ND | ND | 30.6 | 1 | 2 | ND | ND |
| | 9 / 06/28/95 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 10 / 09/11/95 | ND | ND | ND | ND | ND | ND | ND | ND |
| AGW-6 | 03/17/94 | 300 | ND | ND | 10.6 | 1 | 14 | 56 | 4 |
| | 11/10/94 | 200 | ND | ND | 7.4 | ND | 6 | 29 | ND |
| | 02/24/95 | 460 | ND | ND | 8.3 | 2 | 8 | 20 | ND |

Table 2

**Groundwater Laboratory Results
Texaco Station 63-232-0037
8701 Greenwood Avenue North
Seattle, Washington**

Page 4 of 4

| Monitoring Well | Date | Results of Analyses (µg/L) | | | | | | | | |
|---|------|----------------------------|----------------------------------|-------|---------|---------------------|---------------|---------------|------------|-----------------|
| | | Ecology Method WTPH-G | Ecology Method WTPH-D (extended) | | | EPA Method 5030/602 | | | | EPA Method 7421 |
| Well Number | | TPH-G | TPH-D | TPH-O | Benzene | Toluene | Ethyl-benzene | Total Xylenes | Total Lead | |
| MTCA Method A Cleanup Levels ^a | | 1,000 | 1,000 | 1,000 | 5 | 40 | 30 | 20 | 5 | |
| AGW-6, cont. | 1 | 06/28/95 | 80 | ND | ND | 4.7 | ND | 1 | 7 | ND |
| | 2 | 09/11/95 | ND | ND | ND | 3.2 | ND | ND | 3 | ND |
| AGW-7 | 1 | 03/17/94 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2 | 11/10/94 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3 | 02/24/95 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 4 | 06/28/95 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5 | 09/11/95 | ND | ND | ND | ND | ND | ND | ND | ND |

NOTE: Shaded values equal or exceed MTCA Method A Cleanup Levels.
 ND = not detected at or above method reporting limit.
 µg/L = micrograms per liter; approximates parts per billion.
 — = not analyzed.
 * = results for duplicate sample, designated AGW-8-1194.
 TPH-G = total petroleum hydrocarbons as gasoline.
 TPH-D = total petroleum hydrocarbons as diesel.
 TPH-O = total petroleum hydrocarbons as oil.

^a Chapter 173-340 WAC, "The Model Toxics Control Act Cleanup Regulation; Method A Cleanup Levels." Amended December 1993.

FIELD SAMPLING DATA SHEET



18912 North Creek Parkway, Suite 100
Bothell, Washington 98011-8016

Office: (206) 485-5000 Fax: (206) 486-9766

Project Name: Texaco-Greenwood

Well ID: AGW- /

Site Address: 8701 Greenwood Ave. N Seattle, WA

Sample ID AGW- / -0995

EMCON Contact: John Meyer

Client Contact: Theresa Geijer

Project #: 0368-013.009

Weather: (Part) Sun (Part) Cloudy Rain Temperature: 72 F

WATER LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness]

| Date | Time | DT-Bottom | DT-Water | DTB-DTW | DT-Product | DTP-DTW |
|--|------|-----------|----------|---------|------------|---------|
| 9/7/95 | 1326 | 19.40 | 2.31 | 17.09 | | |
| Well dia. = Gal/ft: 1"=0.041 2"=0.163 <u>4"=0.653</u> 6"=1.469 10"=4.080 12"=5.675 | | | | | | |

[Water Col x Gal/ft]

| Volume (gal) |
|--------------|
| X1 <u>11</u> |
| X3 <u>33</u> |

WATER QUALITY DATA

| Pore Vol | Method § | Purged (gal) | pH | Temp (°C) | E Cond (µS) | Turbidity (NTU) | Diss O2 (mg/l) | Other |
|----------|----------|--------------|------|-----------|-------------|-----------------|----------------|-------|
| 1 | PP | 11 | 7.04 | 17 | 279 | | | |
| 2 | ↓ | 22 | 7.40 | 15 | 305 | | | |
| 3 | ↓ | 33 | 7.30 | 15 | 283 | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

§ METHOD: (SB) Submersible Pump (PP) Peristaltic Pump (DB) Disposable Bailer (PTB) PVC/Teflon Bailer (Ded B) Dedicated Bailer (DP) Dedicated Pump

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

| Parameter | Date | Time | Method § | # Bottles | Volume (ml) | Type | Preservative | Ice | Filter |
|--|--------|------|----------|-----------|---|-------|--------------|-----|--------|
| GAS/BTEX | 9/7/95 | 1500 | DB | 2 | 40 | glass | HCl | yes | no |
| WTPH-D ext | ↓ | ↓ | PP | 1 | 1000 | amber | none | ↓ | ↓ |
| Total Pb | ↓ | ↓ | PP | 1 | 500 | poly | HNO3 | ↓ | ↓ |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total Bottles (include duplicate count): | | | | <u>6</u> | Duplicate ID: <u>AGW-8-0995</u> Time: <u>1330</u> | | | | |

| Water Characterization | | | Decontamination Materials | | | |
|------------------------|--------------|---------------------------|---------------------------|-----------------|--------|--------|
| Color | Clarity | Odor | Liquinox | Methanol | HCl | Nitric |
| <u>none</u> | <u>clear</u> | <u>strong sulfur-like</u> | D.I. Water | Distilled water | Hexane | |

Notes:

SAMPLER: Matthew Melton

(PRINTED NAME)

(SIGNATURE)

FIELD SAMPLING DATA SHEET



18912 North Creek Parkway, Suite 100
Bothell, Washington 98011-8016

Office: (206) 485-5000 Fax: (206) 486-9766

Project Name: Texaco-Greenwood

Well ID: AGW-2

Site Address: 8701 Greenwood Ave. N Seattle, WA

Sample ID AGW-2-0995

EMCON Contact: John Meyer

Client Contact: Theresa Geijer

Project #: 0368-013.009

Weather: (Part) Sun (Part) Cloudy Rain Temperature: 75°F

WATER LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness]

| Date | Time | DT-Bottom | DT-Water | DTB-DTW | DT-Product | DTP-DTW |
|---|------|-----------|----------|---------|------------|---------|
| 9/11/95 | 1327 | 19.65 | 2.12 | 17.53 | | |
| Well dia. = Gal/ft: 1"=0.041 2"=0.163 4"=0.653 6"=1.469 10"=4.080 12"=5.875 | | | | | | |

[Water Col x Gal/ft]

| Volume (gal) |
|--------------|
| X 1 11 |
| X 3 33 |

WATER QUALITY DATA

| Pore Vol | Method § | Purged (gal) | pH | Temp (°C) | E Cond (µS) | Turbidity (NTU) | Diss O2 (mg/l) | Other |
|----------|----------|--------------|------|-----------|-------------|-----------------|----------------|-------|
| 1 | PP | 11 | 6.84 | 15 | 336 | | | |
| 2 | ↓ | 22 | 6.75 | 15 | 301 | | | |
| 3 | ↓ | 33 | 6.95 | 14 | 301 | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

§ METHOD: (SB) Submersible Pump (PP) Peristaltic Pump (DB) Disposable Bailer (PTB) PVC/Teflon Bailer (Ded B) Dedicated Bailer (DP) Dedicated Pump

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

| Parameter | Date | Time | Method § | # Bottles | Volume (ml) | Type | Preservative | Ice | Filter |
|--|---------|------|----------|-----------|---------------|-------|--------------|-----|--------|
| GAS/BTEX | 9/11/95 | 1545 | DB | 2 | 40 | glass | HCl | yes | no |
| WTPH-D ext | ↓ | ↓ | PP | 1 | 1000 | amber | none | ↓ | ↓ |
| Total Pb | ↓ | ↓ | PP | 1 | 500 | poly | HNO3 | ↓ | ↓ |
| Total Bottles (include duplicate count): | | | | 4 | Duplicate ID: | | Time: | | |

| Water Characterization | | | Decontamination Materials | | | |
|------------------------|---------|------|---------------------------|-----------------|--------|--------|
| Color | Clarity | Odor | Liquinox | Methanol | HCl | Nitric |
| none | clear | none | D.I. Water | Distilled water | Hexane | |

Notes:

SAMPLER: Matthew Melton
(PRINTED NAME)

Matthew Melton
(SIGNATURE)

FIELD SAMPLING DATA SHEET



18912 North Creek Parkway, Suite 100
Bothell, Washington 98011-8016

Office: (206) 485-5000 Fax: (206) 486-9766

Project Name: Texaco-Greenwood

Well ID: AGW-5

Site Address: 8701 Greenwood Ave. N Seattle, WA

Sample ID AGW-5-0995

EMCON Contact: John Meyer

Client Contact: Theresa Geijer

Project #: 0368-013.009

Weather: (Part) Sun (Part) Cloudy Rain Temperature: 70°F

WATER LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness]

[Water Col x Gal/ft]

| Date | Time | DT-Bottom | DT-Water | DTB-DTW | DT-Product | DTP-DTW |
|---|-------------|--------------|-------------|--------------|------------|---------|
| <u>9/11/95</u> | <u>1329</u> | <u>19.11</u> | <u>3.62</u> | <u>15.49</u> | | |
| Well dia. = Gal/ft: 1"=0.041 2"=0.163 4"=0.653 6"=1.469 10"=4.080 12"=5.875 | | | | | | |

| Volume (gal) | |
|--------------|-----------|
| X 1 | <u>10</u> |
| X 3 | <u>30</u> |

WATER QUALITY DATA

| Pore Vol | Method [§] | Purged (gal) | pH | Temp (°C) | E Cond (µS) | Turbidity (NTU) | Diss O2 (mg/l) | Other |
|----------|---------------------|--------------|-------------|-------------|-------------|-----------------|----------------|-------|
| 1 | PP | <u>10</u> | <u>7.98</u> | <u>15.5</u> | <u>263</u> | | | |
| 2 | ↓ | <u>20</u> | | | | | | |
| 3 | ↓ | <u>30</u> | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

§ METHOD: (SB) Submersible Pump (PP) Peristaltic Pump (DB) Disposable Bailer (PTB) PVC/Teflon Bailer (Ded B) Dedicated Bailer (DP) Dedicated Pump

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

| Parameter | Date | Time | Method [§] | # Bottles | Volume (ml) | Type | Preservative | Ice | Filter |
|--|----------------|-------------|---------------------|-----------|---------------|-------|--------------|-----|--------|
| GAS/BTEX | <u>9/11/95</u> | <u>1405</u> | DB | <u>.2</u> | <u>40</u> | glass | HCl | yes | no |
| WTPH-D ext | ↓ | ↓ | PP | <u>1</u> | <u>1000</u> | amber | none | ↓ | ↓ |
| Total Pb | ↓ | ↓ | PP | <u>1</u> | <u>500</u> | poly | HNO3 | ↓ | ↓ |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total Bottles (include duplicate count): | | | | <u>4</u> | Duplicate ID: | | Time: | | |

| Water Characterization | | | Decontamination Materials | | | |
|------------------------|--------------|-------------|---------------------------|-----------------|--------|--------|
| Color | Clarity | Odor | Liquinox | Methanol | HCl | Nitric |
| <u>None</u> | <u>clear</u> | <u>None</u> | D.I. Water | Distilled water | Hexane | |

Notes:

Dry @ 1.5 p.v. - RECHARGE - sample

SAMPLER: Matthew Melton
(PRINTED NAME)

(SIGNATURE)

FIELD SAMPLING DATA SHEET



18912 North Creek Parkway, Suite 100
Bothell, Washington 98011-8016

Office: (206) 485-5000 Fax: (206) 486-9766

Project Name: Texaco-Greenwood

Well ID: AGW-6

Site Address: 8701 Greenwood Ave. N Seattle, WA

Sample ID AGW-6-0995

EMCON Contact: John Meyer

Client Contact: Theresa Geijer

Project #: 0368-013.009

Weather: (Part) Sun (Part) Cloudy Rain Temperature: 70 °F

WATER LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness]

| Date | Time | DT-Bottom | DT-Water | DTB-DTW | DT-Product | DTP-DTW |
|---|------|-----------|----------|---------|------------|---------|
| 9/7/95 | 1328 | 23.82 | 1.70 | 22.12 | | |
| Well dia. = Gal/ft: 1"=0.041 2"=0.163 4"=0.653 6"=1.469 10"=4.080 12"=5.875 | | | | | | |

[Water Col x Gal/ft]

| | Volume (gal) |
|----|--------------|
| X1 | 14 |
| X3 | 42 |

WATER QUALITY DATA

| Pore Vol | Method § | Purged (gal) | pH | Temp (°C) | E Cond (µS) | Turbidity (NTU) | Diss O2 (mg/l) | Other |
|----------|----------|--------------|------|-----------|-------------|-----------------|----------------|-------|
| 1 | PP | 14 | 7.28 | 17 | 280 | | | |
| 2 | ↓ | 28 | 7.25 | 15 | 284 | | | |
| 3 | ↓ | 42 | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

§ METHOD: (SB) Submersible Pump (PP) Peristaltic Pump (DB) Disposable Bailer (PTB) PVC/Teflon Bailer (Ded B) Dedicated Bailer (DP) Dedicated Pump

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

| Parameter | Date | Time | Method § | # Bottles | Volume (ml) | Type | Preservative | Ice | Filter |
|--|--------|------|----------|-----------|---------------|-------|--------------|-----|--------|
| GAS/BTEX | 9/7/95 | 1450 | DB | 2 | 40 | glass | HCl | yes | no |
| WTPH-D ext | ↓ | ↓ | PP | 1 | 1000 | amber | none | ↓ | ↓ |
| Total Pb | ↓ | ↓ | PP | 1 | 500 | poly | HNO3 | ↓ | ↓ |
| Total Bottles (include duplicate count): | | | | 4 | Duplicate ID: | | Time: | | |

| Water Characterization | | | Decontamination Materials | | | |
|------------------------|---------|---------------|---------------------------|-----------------|--------|--------|
| Color | Clarity | Odor | Liquinox | Methanol | HCl | Nitric |
| None | Clear | slight sulfur | D.I. Water | Distilled water | Hexane | |

Notes: Dry at 2 pore volumes. Allow to recharge, then sample

SAMPLER: Matthew Melton
(PRINTED NAME)

(SIGNATURE)

FIELD SAMPLING DATA SHEET



18912 North Creek Parkway, Suite 100
Bothell, Washington 98011-8016

Office: (206) 485-5000 Fax: (206) 486-9766

Project Name: Texaco-Greenwood

Well ID: AGW-7

Site Address: 8701 Greenwood Ave. N Seattle, WA

Sample ID AGW-7-0995

EMCON Contact: John Meyer

Client Contact: Theresa Geijer

Project #: 0368-013.009

Weather: (Part) Sun (Part) Cloudy Rain Temperature: 70 °F

WATER LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness]

| Date | Time | DT-Bottom | DT-Water | DTB-DTW | DT-Product | DTP-DTW |
|--|-------------|--------------|-------------|--------------|------------|---------|
| <u>9/11/95</u> | <u>1330</u> | <u>25.40</u> | <u>0.00</u> | <u>25.40</u> | | |
| | | | | | | |
| | | | | | | |
| Well dia. = Gal/ft: 1"=0.041 2"=0.163 <u>4"=0.653</u> 6"=1.469 10"=4.080 12"=5.875 | | | | | | |

| [Water Col x Gal/ft] | |
|----------------------|--------------|
| | Volume (gal) |
| X1 | <u>16.5</u> |
| X3 | <u>49.5</u> |

WATER QUALITY DATA

| Pore Vol | Method § | Purged (gal) | pH | Temp (°C) | E Cond (µS) | Turbidity (NTU) | Diss O2 (mg/l) | Other |
|----------|----------|--------------|-------------|-------------|-------------|-----------------|----------------|-------|
| 1 | PP | <u>16.5</u> | <u>7.89</u> | <u>14</u> | <u>276</u> | | | |
| 2 | | <u>33</u> | <u>7.62</u> | <u>14</u> | <u>253</u> | | | |
| 3 | | <u>49.5</u> | <u>7.46</u> | <u>13.5</u> | <u>253</u> | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

§ METHOD: (SB) Submersible Pump (PP) Peristaltic Pump (DB) Disposable Bailer (PTB) PVC/Teflon Bailer (Ded B) Dedicated Bailer (DP) Dedicated Pump

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

| Parameter | Date | Time | Method § | # Bottles | Volume (ml) | Type | Preservative | Ice | Filter |
|--|----------------|-------------|----------|-----------|---------------|-------|--------------|----------|----------|
| GAS/BTEX | <u>9/11/95</u> | <u>1420</u> | DB | 2 | 40 | glass | HCl | yes | no |
| WTPH-D ext | <u>11</u> | <u>↓</u> | PP | 1 | 1000 | amber | none | <u>↓</u> | <u>↓</u> |
| Total Pb | <u>↓</u> | <u>↓</u> | PP | 1 | 500 | poly | HNO3 | <u>↓</u> | <u>↓</u> |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total Bottles (include duplicate count): | | | | <u>4</u> | Duplicate ID: | | Time: | | |

| Water Characterization | | | Decontamination Materials | | | |
|------------------------|--------------|-------------|---------------------------|-----------------|--------|--------|
| Color | Clarity | Odor | Liquinox | Methanol | HCl | Nitric |
| <u>none</u> | <u>clear</u> | <u>none</u> | D.I. Water | Distilled water | Hexane | |

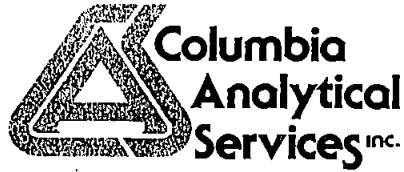
Notes:

WATER IS OVERFLOWING CASING.

SAMPLER: Matthew Melton
(PRINTED NAME)

(SIGNATURE)

RECEIVED
SEP 29 1995



September 26, 1995

Service Request No.: B950697

John Meyer
EMCON Northwest
18912 N Creek Parkway
Suite 210
Bothell, WA 98011

Re: **Texaco - Greenwood/Project #0368-013.011**

Dear John:

Attached are the results of the sample(s) submitted to our laboratory on September 14, 1995. Preliminary results were transmitted via facsimile on September 25, 1995. For your reference, these analyses have been assigned our service request number B950697.

All analyses were performed consistent with our laboratory's quality assurance program. All results are intended to be considered in their entirety, and CAS is not responsible for use of less than the complete report. Results only apply to samples analyzed.

Please call if you have any questions.

Respectfully submitted,

Columbia Analytical Services, Inc.

A handwritten signature in cursive script that reads "Colin B. Elliott".

Colin B. Elliott
Laboratory Manager

CBE/bdr

Page 1 of 7

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: EMCON
Project: Texaco - Greenwood
Sample Matrix: Water

Service Request: B950697
Date Collected: 9/11/95
Date Received: 9/14/95
Date Extracted: NA
Date Analyzed: 9/18,19/1995

BTEX and Total Petroleum Hydrocarbons as Gasoline
 EPA Methods 5030A/8020 and Washington DOE Method WTPH-G
 Units: µg/L (ppb)

| | | | | | |
|--------------------------------|----------------|----------------|---------------------|----------------------|------------------------|
| Analyte: | Benzene | Toluene | Ethylbenzene | Total Xylenes | TPH as Gasoline |
| Method Reporting Limit: | 0.5 | 1 | 1 | 1 | 50 |

| Sample Name | Lab Code | | | | | |
|--------------|------------|-----|----|----|----|----|
| AGW-1-0995 | B950697-01 | 0.7 | ND | ND | ND | ND |
| AGW-2-0995 | B950697-02 | ND | ND | ND | ND | ND |
| AGW-5-0995 | B950697-03 | ND | ND | ND | ND | ND |
| AGW-6-0995 | B950697-04 | 3.2 | ND | ND | 3 | ND |
| AGW-7-0995 | B950697-05 | ND | ND | ND | ND | ND |
| AGW-8-0995 | B950697-06 | 0.8 | ND | ND | ND | ND |
| Method Blank | B950697-MB | ND | ND | ND | ND | ND |

Approved By: _____

Ch. Elliott

Date: _____

9/26/95

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: EMCON
Project: Texaco - Greenwood
Sample Matrix: Water

Service Request: B950697
Date Collected: 9/11/95
Date Received: 9/14/95
Date Extracted: 9/18/95
Date Analyzed: 9/18,19,20/95

Total Petroleum Hydrocarbon as Diesel and Oil
Washington DOE Method WTPH-D
Units: µg/L (ppb)

| | | |
|-------------------------|--------|------|
| Analyte: | Diesel | Oil* |
| Method Reporting Limit: | 250 | 750 |

| Sample Name | Lab Code | Diesel | Oil* |
|--------------|------------|--------|------|
| AGW-1-0995 | B950697-01 | ND | ND |
| AGW-2-0995 | B950697-02 | ND | ND |
| AGW-5-0995 | B950697-03 | ND | ND |
| AGW-6-0995 | B950697-04 | ND | ND |
| AGW-7-0995 | B950697-05 | ND | ND |
| Method Blank | B950697-MB | ND | ND |

* Quantified using 30 weight motor oil as a standard.

Approved By: Col. Elliott Date: 9/26/95

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: EMCON
Project: Texaco-Greenwood / #0368-013.011
Sample Matrix: Water

Service Request: K9505761
Date Collected: 9/11/95
Date Received: 9/15/95
Date Extracted: 9/19/95
Date Analyzed: 9/20/95

Total Lead
EPA Method 7421
Units: µg/L (ppb)

| Sample Name | Lab Code | MRL | Result |
|--------------|--------------|-----|--------|
| AGW-1-0995 | K9505761-001 | 2 | ND |
| AGW-2-0995 | K9505761-002 | 2 | ND |
| AGW-5-0995 | K9505761-003 | 2 | ND |
| AGW-6-0995 | K9505761-004 | 2 | ND |
| AGW-7-0995 | K9505761-005 | 2 | ND |
| Method Blank | K9505761-MB | 2 | ND |

Approved By: _____



Date: _____

9/25/95

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: EMCON
Project: Texaco - Greenwood
Sample Matrix: Water

Service Request: B950697
Date Collected: 9/11/95
Date Received: 9/14/95
Date Extracted: NA
Date Analyzed: 9/18,19/1995

Surrogate Recovery Summary
BTEX and Total Petroleum Hydrocarbons as Gasoline
EPA Methods 5030A/8020 and Washington DOE Method WTPH-G

| Sample Name | Lab Code | Percent Recovery 4-BFB (PID - BTEX) | Percent Recovery 4-BFB (FID - GAS) |
|--------------|------------|--|---------------------------------------|
| AGW-1-0995 | B950697-01 | 102 | 95 |
| AGW-2-0995 | B950697-02 | 104 | 97 |
| AGW-5-0995 | B950697-03 | 99 | 91 |
| AGW-6-0995 | B950697-04 | 105 | 96 |
| AGW-7-0995 | B950697-05 | 106 | 98 |
| AGW-8-0995 | B950697-06 | 104 | 96 |
| Method Blank | B950697-MB | 105 | 93 |

CAS Acceptance Limits:

86-116

86-116

Approved By: _____

Ah. Elliott

Date: _____

9/26/95

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: EMCON
Project: Texaco - Greenwood
Sample Matrix: Water

Service Request: B950697
Date Collected: 9/11/95
Date Received: 9/14/95
Date Extracted: 9/18/95
Date Analyzed: 9/18,19,20/95

Surrogate Recovery Summary
Total Petroleum Hydrocarbons as Diesel and Oil
Washington DOE Method WTPH-D

| Sample Name | Lab Code | Percent Recovery p-Terphenyl |
|--------------|------------|---------------------------------|
| AGW-1-0995 | B950697-01 | 89 |
| AGW-2-0995 | B950697-02 | 88 |
| AGW-5-0995 | B950697-03 | 94 |
| AGW-6-0995 | B950697-04 | 94 |
| AGW-7-0995 | B950697-05 | 91 |
| Method Blank | B950697-MB | 79 |

CAS Acceptance Limits: 59-124

Approved By: _____

C. Elliott

Date: _____

9/26/95



CHAIN OF CUSTODY/LABORATORY ANALYSIS REPORT FORM

DATE 9.11.95 PAGE 1 OF 1
 PROJECT NAME TEXACO-GREENWOOD # 1368-013.011
 PROJECT # 63-232-0037
 COMPANY/ADDRESS 8701 GREENWOOD AVE. N. SEATTLE, WA
 JOHN MEYER PHONE 485-5000
 SAMPLERS SIGNATURE [Signature]

ANALYSIS REQUEST

| SAMPLE I.D. | DATE | TIME | LAB I.D. | SAMPLE MATRIX | NUMBER OF CONTAINERS | ANALYSIS REQUEST | | | | | | | | | | | | REMARKS | | | | | |
|-------------|----------|------|----------|---------------|----------------------|--------------------------------|--------------------------------------|---------------------------------|---------------------------------|-------------|---|-------------------------------------|--|----------------------------------|----------------------|------|----------------|---------|------------------------------|----------------------------|-----------------|---|--|
| | | | | | | TPH - HClD State: <u>WA</u> | TPH - G V BTEX V State: <u>WA</u> | TPH - D WAX State: <u>WA</u> | TPH - 418.1 State: <u>WA</u> | TPH - Other | Halogenated or Aromatic Volatiles 607/8070 | Volatile Organics GC/MS 602/8020 | Base/Neu/Acid Organics GC/MS 624-8240 | Pesticides/PCBS 8080 625/8270 | PAH PCB ONLY 8370 | HFCL | TCLP Metals | | Semi VOA VOA Pest/Herb | Metals Total List Below | DISS Cyanide | pH Cond Cl, SO ₄ , PO ₄ F, Br | NO ₂ NO ₃ (Circle) |
| AGW-1-0995 | 09/11/95 | 1500 | BA171-1 | WATER | 1 | | X | X | | | | | | | | | | X | | | | | |
| 2- | | 1545 | 2 | | | X | X | X | | | | | | | | | | X | | | | | |
| 5- | | 1405 | 3 | | | X | X | X | | | | | | | | | | X | | | | | |
| 6- | | 1450 | 4 | | | X | X | X | | | | | | | | | | X | | | | | |
| 7- | | 1420 | 5 | | | X | X | X | | | | | | | | | | X | | | | | |
| 8- | | 1330 | 6 | | ANA 812 | X | X | X | | | | | | | | | | X | | | | | |

| | | | | | |
|---|---|---|---|--|---|
| RELINQUISHED BY: <u>[Signature]</u> Signature MATTHEW MELTON Printed Name EMCON Firm 9/12/95 / 0930 Date/Time | RECEIVED BY: <u>[Signature]</u> Signature B. Regan Printed Name CAS Bothell Firm 09/14/95 Date/Time | TURNAROUND REQUIREMENTS 24 hr. ___ 48 hr. ___ 5 day ___ <input checked="" type="checkbox"/> Standard (10-15 working days) ___ Provide Verbal Preliminary Results ___ Provide FAX preliminary Results Requested Report Date ___ | REPORT REQUIREMENTS <input checked="" type="checkbox"/> I. Routine Report ___ II. Report (includes DUP.MAS. MSD, as required, may be charged as samples) ___ III. Data Validation Report (includes All Raw Data) ___ IV. CLP Deliverable Report | INVOICE INFORMATION: P.O.# ___ Bill To ___ | SAMPLE RECEIPT: Shipping VIA: ___ Shipping to: ___ Condition: <u>7°</u> Lab No: <u>13550697</u> |
|---|---|---|---|--|---|

| | | | |
|--|--|---|---|
| RELINQUISHED BY: <u>[Signature]</u> Signature B. Regan Printed Name CAS Bothell Firm 09/14/95 1630 Date/Time | RECEIVED BY: <u>[Signature]</u> Signature Cindy Richardson Printed Name NET Firm 9/13/95 10:30 Date/Time | SPECIAL INSTRUCTIONS/COMMENTS: <u>METALS : TOTAL Pb.</u> Received by: <u>[Signature]</u> Lori K. ... CAS-K Date: 09/15/95 Time: 10:30 | * Releasing sample containers for Pb only to Kelso CAS. <u>[Signature]</u> |
|--|--|---|---|

N:

TEXACO ENVIRONMENTAL SERVICES - WELL INSPECTION FORM

Date: 9-11-99
 Inspector: MAR MCELROY / ERICANT
 Site Address: 8701 GREENWOOD N. SEATTLE WA

| Well # | EQUIPMENT TYPE & CONDITION | | | | | | | | |
|--------|----------------------------|--------------|--------------|------------|------------------------------|-----------------------------|------------|--|-------------|
| | Well Box Type | Lid & Cover | | | | Well Box | | | |
| | | Concrete Pad | Well Box Lid | Lid Gasket | Bolt Gaskets (Replaced / OK) | Locking Cap (Replaced / OK) | Lock #2396 | Casing Gauging Mark (Present/Unmarked) | Cond Of CSG |
| AGW-1 | MORLUS | OK | OK | OK | OK | OK | OK | OK | |
| -2 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| -3 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| -6 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| -7 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

OTHER CONDITIONS (ie; well status): _____

COMMENTS: _____