TEXACO STATION #63232 003
KING Co. - Seattle
LUST # 2248

EXCAVATION AND SOIL SAMPLING REPORT

AT

FORMER TEXACO FACILITY 63-232-0037
8701 GREENWOOD AVENUE NORTH
SEATTLE, WASHINGTON

ECOLOGY TCP IDENTIFICATION NO. 2868
ERI JOB 3100114.R02
March 15, 1996

Prepared for

TEXACO REFINING AND MARKETING INC.
ENVIRONMENT, HEALTH & SAFETY
3400 188TH STREET SW, SUITE 630
LYNNWOOD, WASHINGTON 98037

Prepared by

ENVIRONMENTAL RESOLUTIONS, INC.

ERI
ENVIRONMENTAL RESOLUTIONS, INC.

EXCAVATION AND SOIL SAMPLING REPORT

at

Former Texaco Facility 63-232-0037
8701 Greenwood Avenue North
Seattle, Washington

ERI Job 3100114.R02

Prepared for

Texaco Refining and Marketing Inc.
Environment, Health & Safety
3400 188th Street SW, Suite 630
Lynnwood, Washington 98037

SR
Rec - 4/22/96

by

Environmental Resolutions, Inc.

DEPARTMENT OF ECOLOGY
NWRO/TCP TANK UNIT

INTERIM CLEANUP REPORT	☐
SITE CHARACTERIZATION	☐
FINAL CLEANUP REPORT	☑
OTHER _____	☐
AFFECTED MEDIA: SOIL	☑
OTHER _____ GW	☑

INSPECTOR (INIT.) AN DATE 3/26/96

John K. Meyer
Branch Manager

Steve M. Zigan R.G.
President

March 20, 1996

Texaco Refining and Marketing Inc
3400 188th Street SW
Suite 630
Lynnwood WA 98037

March 21, 1996

ENV - SERVICE STATIONS
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 is the Groundwater Sampling Report for the First Quarter groundwater monitoring and sampling conducted on February 27, 1996 by EMCON. Groundwater samples collected from five onsite monitoring wells (AGW-1, AGW-2, AGW-5, AGW-6, and AGW-7) were analyzed for TPH-G, TPH-D, TPH-O, BTEX (benzene, toluene, ethylbenzene and total xylenes) and Total Lead. None of these analytes were detected at concentrations above the MTCA Method A Cleanup Levels in any of the wells. The February 1996 sampling event is the fourth consecutive quarter with analytical results indicating below MTCA cleanup levels in groundwater in all five wells.

Also enclosed is a report documenting the recent removal of subsurface remediation system piping from the former gasoline and diesel underground storage tank basin. In addition, the report documents excavation and soil sampling activities conducted to remove abandoned piping and hydrocarbon impacted soil discovered during field activities. Approximately 125 cubic yards were excavated. Laboratory analytical results show that confirmation soil samples collected at the limits of the excavation contained analyte concentrations below MTCA Method A Cleanup Levels.

Also enclosed per your request is the Laboratory Report for the sludge sample ('tile-eff') collected from the northern concrete sump/separator during the 1994 tank removal activities. This sample is referenced on page 5-1 in the Underground Storage Tank Decommissioning Report dated September 9, 1994, prepared by EMCON.

An Independent Remedial Action Program report dated January 5, 1996 was submitted to Ecology for this site. The report requested that Ecology issue a 'no further action' determination for the site, based on results of fourth quarter 1995 and first quarter 1996 groundwater sampling events demonstrating compliance with Model Toxics Control Act Method A cleanup standards. The enclosed groundwater report demonstrates that the fourth quarter 1995 and first quarter 1996 groundwater results were in compliance with the cleanup standards.

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

Sincerely,

T. A. Geijer

Theresa A. Geijer, R.G.
Project Coordinator

TAG:tag
p:\tag\greenw\1qt96gw.cov

Enclosures: First Quarter 1996 Groundwater Sampling Report (March 8, 1996)
Excavation and Soil Sampling Report (March 20, 1996)

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

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

PR:

TABLE OF CONTENTS

TABLES

PLATES

APPENDICES

EXCAVATION AND SOIL SAMPLING REPORT
at
Texaco Facility 63-232-0037
8701 Greenwood Avenue
Seattle, Washington
For
Texaco Refining and Marketing Inc.
Environment, Health & Safety

1.0 INTRODUCTION

As requested by Texaco Refining and Marketing Inc., Environment, Health & Safety (TRMI-EH&S), Environmental Resolutions, Inc. (ERI) has prepared this report documenting results of underground piping removal and soil excavation and sampling conducted during February and March 1996 at former Texaco Facility 63-232-0037, 8701 Greenwood Avenue, Seattle, Washington (Plate P-1). Excavation activities were undertaken to remove subsurface remediation system piping installed within the former gasoline and diesel underground storage tank (UST) basin during previous investigations.

2.0 BACKGROUND

Soil and groundwater assessment and remediation activities have been conducted at the site since 1991. Results of previous investigations indicate that the site is underlain by a silt and peat layer present approximately 8 to 15 feet below ground surface (bgs). The silt and peat appear to act as a confining layer separating lower saturated soils from the overlying vadose zone. The former gasoline and diesel UST basin appears to have been excavated through the peat confining layer, allowing water to accumulate at depths ranging between approximately 1 and 3 feet bgs. Results of previous investigations are summarized in the *Independent Remedial Action Report* dated January 5, 1996, prepared by ERI. On January 8, 1996, the report was presented to the Washington State Department of Ecology (Ecology) for review under the Independent Remedial Action Program (IRAP) with a request for a no further action determination for the site.

Between March and December 1994, a combined air sparging/vapor extraction system was installed in the former gasoline and diesel UST basin (Plate P-2). The system operated by introducing air into the subsurface to volatilize dissolved hydrocarbons and increase the rate of natural biodegradation. Subsurface piping consisted of 3-inch and 4-inch diameter slotted and blank PVC casing buried approximately 10 and 3 feet bgs, respectively, during backfilling of the former UST basin. The subsurface piping was connected to blowers housed within a remediation system enclosure at the surface. The groundwater treatment system operated between December 2, 1994 and June 27, 1995, recovering approximately 45.5 pounds of volatile hydrocarbons. During June 1995, the remediation system was deactivated, and above-ground portions of the system were removed. Below-ground piping was left in place. Details of treatment system installation and operation are presented in the *Remediation Status Report* dated November 10, 1995, prepared by EMCON.

Laboratory results of groundwater samples collected during quarterly sampling events conducted since February 1995 indicate a general decline in dissolved hydrocarbon concentrations from earlier levels. Laboratory results from the most recent quarterly sampling event conducted in February 1996 indicate that hydrocarbon concentrations were below Model Toxics Control Act (MTCA)[1] Method A Cleanup Levels in every groundwater sample analyzed. Groundwater sample laboratory results are presented in the *Groundwater Sampling Report* dated March 8, 1996, prepared by EMCON.

3.0 PURPOSE AND SCOPE OF SERVICES

The purpose of this investigation was to remove remaining portions of remediation system piping. In addition, excavation and soil sampling activities were conducted to remove abandoned piping and hydrocarbon-impacted soil discovered during field activities. To meet these objectives, ERI completed the following tasks:

- Observed excavation and removal of PVC remediation system piping from the former gasoline and diesel UST basin, and subsequent backfilling and compaction;
- Observed removal of the abandoned steel UST piping and collected soil samples for laboratory analyses;
- Observed excavation and removal of hydrocarbon-impacted soil near the abandoned steel piping and former pump islands;
- Collected confirmation soil samples from the limits of excavation following removal of impacted soil;
- Submitted the soil samples to be analyzed for petroleum hydrocarbon compounds;
- Coordinated waste profiling and transportation and disposal of water and hydrocarbon-impacted soil;
- Prepared this report summarizing our investigative methods, laboratory analytical results, and findings.

4.0 FIELD ACTIVITIES

Based on a request by TRMI-EH&S, ERI visited the site between February 29 and March 7, 1996 to observe excavation and removal of below-ground piping. Excavation and piping removal activities were performed by A.L. Sleister & Sons Construction, Inc., of Mukilteo, Washington.

---

[1]Chapter 173-340 WAC, The Model Toxics Control Act Cleanup Regulation, Method A Cleanup Levels. Amended December 1993.

Excavation and piping removal activities in the former gasoline and diesel UST basin were initiated on Thursday, February 29, 1996. Pea gravel and overlying surface fill were excavated and stockpiled along the rim of the excavation. The PVC piping was then removed and transported off site for disposal. Water was present approximately at 2 to 3 feet bgs in the excavation. Following piping removal, the excavation was backfilled with the stockpiled pea gravel and completed at the surface with compacted fill and rock.

During site activities at the northern portion of the gasoline and diesel excavation, several sections of abandoned steel product piping were discovered. This portion of the excavation borders the area of the former pump islands to the north (Plate P-2). The former pump island area had previously been excavated to approximately 3 feet bgs during remedial activities conducted in 1994. The piping appeared to extend from the area of the former pump islands and terminate at the northern sidewall of the former gasoline and diesel UST basin. Soil sample NW-3 was then collected from soil immediately beneath the piping, placed into a laboratory-prepared sampling jar with Teflon-lined lid, and submitted for laboratory hydrocarbon analysis on a 24-hour rush basis.

On Friday, March 1, 1996, ERI returned to the site to observe removal of the steel piping and excavation of hydrocarbon-impacted soil. Prior to removal, approximately 1 gallon of a hydrocarbon-like liquid was removed from the piping and temporarily stored on site pending transport to the Philip Environmental facility in Renton, Washington, for recycling and disposal. Additional soil was then excavated to expose and remove the piping. Approximately 20 to 30 feet of 2-inch diameter steel piping were removed and transported off site for disposal. Following removal of the piping, an organic vapor monitor was used to screen suspected impacted and non-impacted soil. Suspected hydrocarbon-impacted soil was then removed and temporarily stockpiled on site. Soil between the former pump islands was removed to a depth of approximately 3 feet bgs where saturated soils were encountered. Soil samples were then collected from the four sidewalls of the excavation immediately above the saturated soils, placed in laboratory-supplied glass jars with Teflon-lined lids, and submitted for 24-hour rush analysis. During excavation activities, a small amount of a hydrocarbon-like liquid was observed on the surface of the water in the excavation in the area of the former abandoned steel piping. Following sample collection, approximately 590 gallons of water were removed from the excavation and transported off site for treatment and recycling. Water seepage was subsequently observed entering through the sidewall of the excavation from the adjoining former gasoline and diesel UST basin immediately to the south. The water appeared clear with no surface film. Seepages were not observed at remaining portions of the excavation.

Based on laboratory results of soil samples collected on March 1, 1996, ERI returned to the site on Monday, March 4, 1996 to observe additional excavation of hydrocarbon-impacted soil. Water was observed at approximately 3 feet bgs in the excavation. The water appeared clear with no surface film. Rainfall over the prior two days suggests the accumulation may have been due in part to storm water runoff. Prior to removal of additional soil, dewatering activities were performed to remove accumulated water from the excavation. Approximately 615 gallons of water were removed and transported off site for treatment and recycling. During dewatering, water seepage was again observed entering the excavation through the sidewall of the adjoining former gasoline and diesel UST basin immediately to the south. Seepages were not observed at remaining portions of the excavation.

Following dewatering, excavation activities resumed to remove suspected hydrocarbon-impacted soil. During the excavation activities, the south-central portion of the excavation was extended to approximately 8 feet bgs. Remaining portions of the excavation were extended to depths ranging between approximately

4 and 8 feet bgs. Following excavation, soil samples were again collected from the sidewalls of the excavation immediately above the saturated soils at depths ranging between approximately 4 and 8 feet bgs. The soil samples were placed in laboratory-supplied glass jars with Teflon-lined lids, and again submitted for 24-hour rush analyses.

During excavation activities several approximately 2-feet square concrete footings were discovered. One of the footings was removed to access suspected impacted soil. Remaining footings were left in place. An approximately 1-foot diameter wooden piling was observed beneath the footing that was removed. The piling was left in place to avoid disturbing the peat confining layer. During excavation activities, a seepage of clear water continued to enter the excavation from the adjoining former gasoline and diesel UST basin immediately to the south. Remaining portions of the excavation remained dry.

Based on laboratory results of soil samples collected on March 4, ERI returned to the site on March 5, 1996 to observe removal of additional hydrocarbon-impacted soil from the northwestern portion of the excavation. Prior to removal of additional soil, water was observed at approximately 5 feet bgs. The water appeared clear with no surface film. Dewatering activities then removed approximately 1,150 gallons of water for transport, treatment, and recycling. A trickle of clear water was again observed entering the excavation from the adjoining former gasoline and diesel UST basin immediately to the south. Following dewatering, additional excavation activities were performed to remove remaining hydrocarbon-impacted soil from the northwestern portion of the excavation. During excavation, soil samples were collected in laboratory-supplied glass jars with Teflon-lined lids and submitted to an on site mobile laboratory for immediate analysis. Based on the laboratory results, excavation continued until areas of impacted soil had been removed and confirmation soil samples collected at the limits of excavation contained hydrocarbon concentrations below MTCA Method A Cleanup Levels. Soil sample locations and laboratory results are shown on Plate P-3 and Table 1.

On March 6, 1996, ERI returned to the site to observe final dewatering and backfilling of the excavation. Prior to backfilling, water was observed at approximately 6 feet bgs. Approximately 550 gallons of water were then removed and transported off site for treatment and recycling. The water appeared clear with no surface film. The excavation was then backfilled from total depth to grade with compacted structural fill and completed at the surface with crushed rock.

5.0 CHEMICAL ANALYSES

Soil samples collected on February 29 and March 1 through 4, 1996 were submitted to the North Creek Analytical Inc. laboratory in Bothell, Washington, for analysis. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) using Ecology Method WTPH-G/EPA Method 5030/8020, and for total petroleum hydrocarbons as diesel (TPH-D) and as oil (TPH-O) using Ecology Method WTPH-D (extended).

Soil samples collected on March 5, 1996 were submitted to an on-site mobile laboratory operated by Transglobal Environmental Geosciences, Inc., of Lacey, Washington, for analysis. The soil samples were analyzed for TPH-G and BTEX using Ecology Method WTPH-G/EPA Method 5030/8020, for TPH-D and TPH-O using Ecology Method WTPH-D (extended), and for total petroleum hydrocarbons (TPH-418.1) using Ecology Method WTPH-418.1.

6.0 RESULTS

Laboratory results of soil samples collected between February 29 and March 4, 1996, indicate samples EW2-8 and SWW-4 collected at the eastern and southwestern portions of the excavation at approximately 8 and 4 feet bgs, respectively, contained TPH-G, TPH-D, TPH-O, and BTEX concentrations below MTCA Method A Cleanup Levels. The remaining seven soil samples collected between February 29 and March 4, 1996 prior to the completion of soil excavation activities contained analyte concentrations exceeding MTCA Method A Cleanup Levels (Table 1 and Plate P-3).

On March 6, 1996, confirmation soil samples were collected at the limits of the excavation following removal of hydrocarbon-impacted soil and submitted to an on-site mobile laboratory for immediate analysis. All six soil samples collected from the limits of the excavation following removal of hydrocarbon-impacted soil contained analyte concentrations below MTCA Method A Cleanup Levels (Plate P-3 and Table 1). Four of the samples collected from the northern and western portions of the excavation contained TPH-G, TPH-D, and TPH-O concentrations below the laboratory method reporting limits (MRLs). Laboratory reports are provided in Appendix A.

7.0 WASTE DISPOSAL

Approximately 1 gallon of hydrocarbon-like liquid removed from the abandoned steel piping was temporarily stored on site in a DOT-approved double-walled container. On March 4, 1996 the liquid was transported to the Philip Environmental facility in Renton, Washington, for treatment and recycling. A manifest and bill of lading are provided in Appendix B.

Approximately 2,905 gallons of water generated during excavation dewatering activities were transported to the Philip Environmental facility in Renton, Washington, for treatment and recycling. Manifests and bills of lading are provided in Appendix B.

Approximately 125 cubic yards (190 tons) of hydrocarbon-impacted soil generated during excavation activities were temporarily stockpiled on a paved surface on site and covered with plastic sheeting. On March 7 and 8, 1996, impacted soil was transported to the TPS Technologies facility in Tacoma, Washington, for treatment and recycling. Bills of lading and weigh tickets are provided in Appendix B.

8.0 CONCLUSIONS

On February 29, 1996, below-ground piping associated with the former on-site remediation system was removed and transported off site for disposal. The excavation was subsequently backfilled, compacted, and completed at the surface with crushed rock.

During remediation system piping removal, several portions of older abandoned steel piping were discovered north of the former gasoline and diesel UST basin in the former pump island excavation area. The piping and residual liquid were removed and transported off site for disposal. Approximately 125 cubic yards of impacted soil were subsequently excavated and transported off site for treatment and recycling. Following removal of impacted material, confirmation soil samples were collected from the

limits of the excavation and submitted for laboratory analysis. Laboratory results indicate that soil samples collected at the limits of excavation following removal of impacted soil contained analyte concentrations below MTCA Method A Cleanup Levels.

During soil removal activities, water was observed entering the excavation through the sidewall of the adjoining former gasoline and diesel UST basin immediately to the south. Results of previous investigations suggest the former gasoline and diesel UST basin has been excavated through the peat and silt confining layer, allowing water from the underlying confined aquifer to upwell near the surface. This water appears to have accumulated in the pump island area excavation by migrating through the narrow area separating it from the former gasoline and diesel UST basin. Dewatering activities removed approximately 2,905 gallons of water from the excavation between March 1 and March 6, 1996. The water was transported off site for disposal.

9.0 LIMITATIONS

The site assessment investigation was conducted in accordance with generally accepted standards of environmental geological practice at the time performed. This investigation was conducted solely for the purpose of evaluating environmental conditions of the soil with respect to hydrocarbons at the subject site. No soil engineering or geotechnical implications are stated or should be inferred. The evaluation of the geologic conditions at the site for the purpose of this investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available.

10.0 REFERENCES

EMCON Northwest, Inc., Underground Storage Tank Decommissioning report dated September 9, 1994.

EMCON, Remediation Status Report dated November 10, 1995.

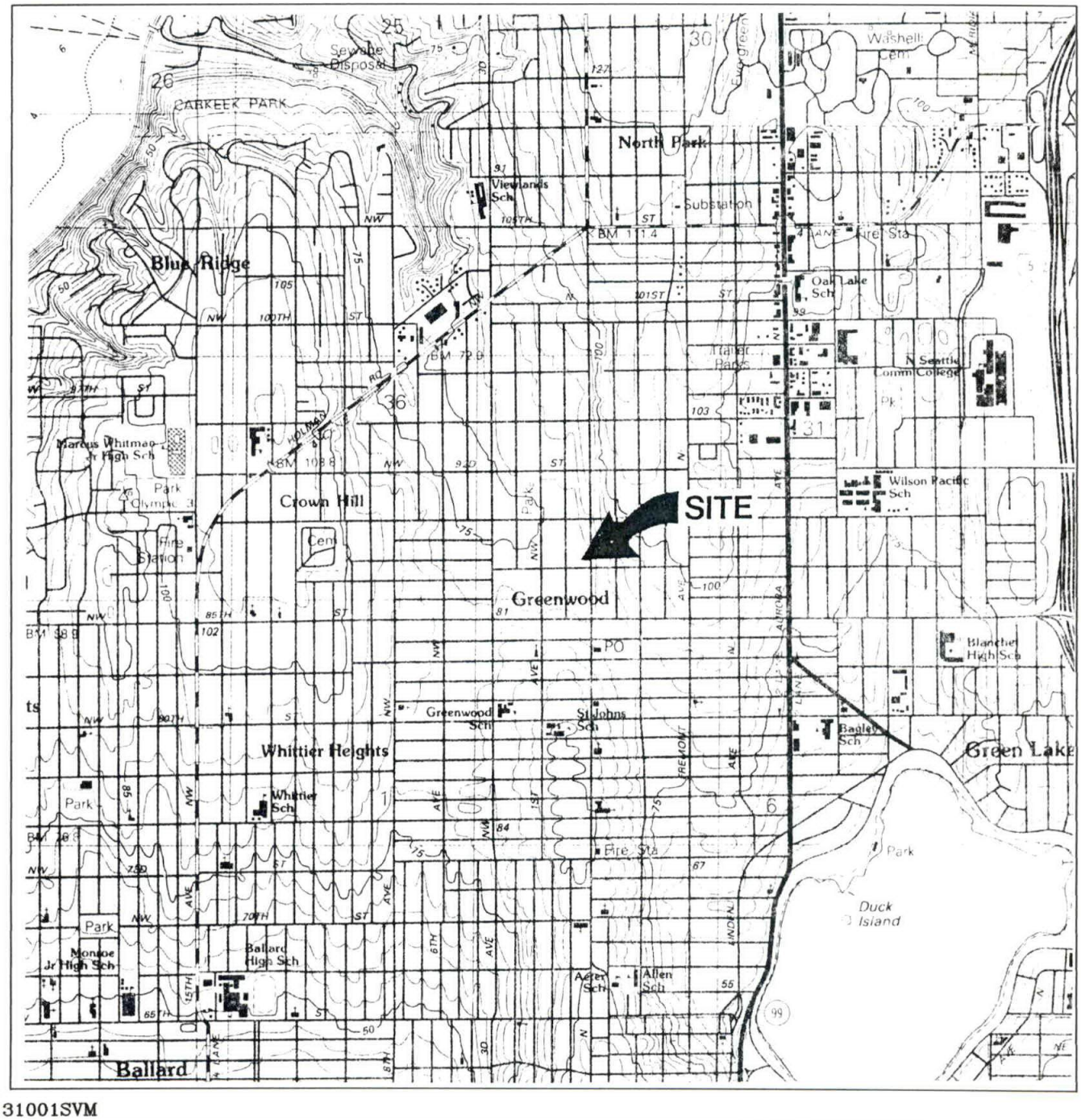
Environmental Resolutions, Inc., Independent Remedial Action Report dated January 5, 1996.

EMCON, Groundwater Sampling Report dated March 8, 1996.

TABLE 1
SOIL ANALYTICAL RESULTS
Former Texaco Facility 63-232-0037
8701 Greenwood Avenue
Seattle, Washington

Sample Name	Date	Depth	TPH-G	TPH-D	TPH-O	B	T	E	X	TPH-418.1
Excavation Soil Samples										
NW-3	2/29/96	3	<1.0	44	350*	<0.050	<0.050	<0.050	<0.10	NA
NW2-3	3/1/96	3	21	120	780*	0.56*	0.61	0.17	0.98	NA
SW-3	3/1/96	3	5.5	160	1300*	<0.050	0.12	<0.050	0.29	NA
WW2-3	3/1/96	3	5.6	270*	2300*	<0.050	<0.050	<0.050	0.15	NA
EW-3	3/1/96	3	11	81	330*	<0.050	<0.050	<0.050	<0.10	NA
NWW-4	3/4/96	4	1800*	410*	63	<0.20	<0.20	9.0	6.1	NA
EW2-8	3/4/96	8	33	11	29	<0.050	<0.050	0.086	0.10	NA
SWW-4	3/4/96	4	19	19	60	<0.050	<0.050	0.015	0.14	NA
WW2-4	3/4/96	4	120*	39	100	0.053	<0.050	0.18	0.53	NA
EW3-3	3/5/96	3	<10	224*	<40	<0.05	<0.05	<0.05	<0.05	420*
NWW2-3	3/5/96	3	<10	<20	<40	<0.05	<0.05	<0.05	<0.05	75
WW3-4	3/5/96	4	1810*	<20	<40	0.64*	1.52	15.1	22.8*	2280*
NEW-3	3/5/96	3	<10	<20	<40	<0.05	<0.05	<0.05	<0.05	<10
EW4-4	3/5/96	4	<10	46	<40	<0.05	<0.05	<0.05	<0.05	157
WW4-4	3/5/96	4	12	<20	<40	0.34	0.22	0.50	2.24	118
WW5-4	3/5/96	4	<10	<20	<40	<0.05	<0.05	<0.05	<0.05	15
WWS-4	3/5/96	4	<10	<20	<40	<0.05	<0.05	<0.05	<0.05	24
WWN-4	3/5/96	4	<10	<20	<40	<0.05	<0.05	<0.05	0.09	108
Stockpile Soil Samples										
SP-1 (comp)	3/1/96	—	28	120	450	<0.050	0.56	0.30	1.9	NA
SP-2 (comp)	3/1/96	—	17	75	320	<0.050	0.97	0.77	0.40	NA
MTCA Method A Cleanup Level			100	200	200	0.5	40	20	20	200

EXPLANATION:
All concentrations in mg/kg (ppm).
Depths are in feet below ground surface.
TPH-G = Total Petroleum Hydrocarbons as Gasoline by Ecology Method WTPH-G.
TPH-D and TPH-O = Total Petroleum Hydrocarbons as Diesel and Oil, respectively, by Ecology Method WTPH-D (extended).
B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes.
BTEX = Aromatic compounds by EPA Method 8020.
TPH-418.1 = Hydrocarbon concentration by Ecology Method WTPH-418.1.
< = Less than the stated laboratory reporting limit.
NA = Not analyzed.
— = Not applicable
* = Removed during excavation
Shaded values exceed MTCA Method A Cleanup Levels.



31001SVM

N

APPROXIMATE SCALE

0 1/2 1

MILE

Source: U.S.G.S. 7.5 x 15 minute topographic quadrangle map Seattle, North 1983

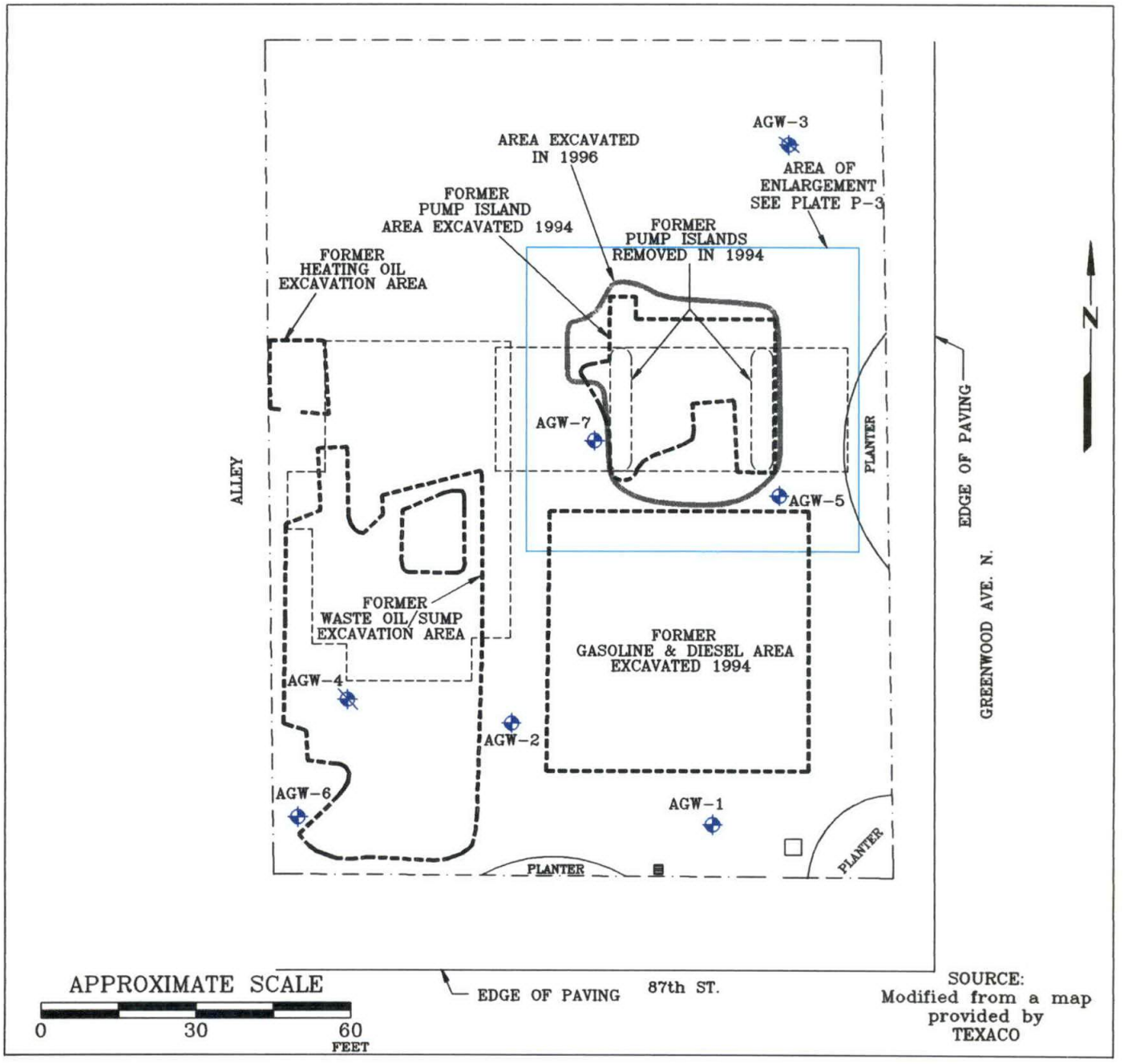
ENVIRONMENTAL RESOLUTIONS, INC.

SITE VICINITY MAP

FORMER TEXACO FACILITY 63-232-0037
8701 Greenwood Avenue North
Seattle, Washington

PROJECT 3100

PLATE P-1



FN 31001002

EXPLANATION

- AGW-5 Groundwater Monitoring Well
- AGW-4 Decommissioned Groundwater Monitoring Well
- ----- Limit of Excavation

ENVIRONMENTAL RESOLUTIONS, INC.

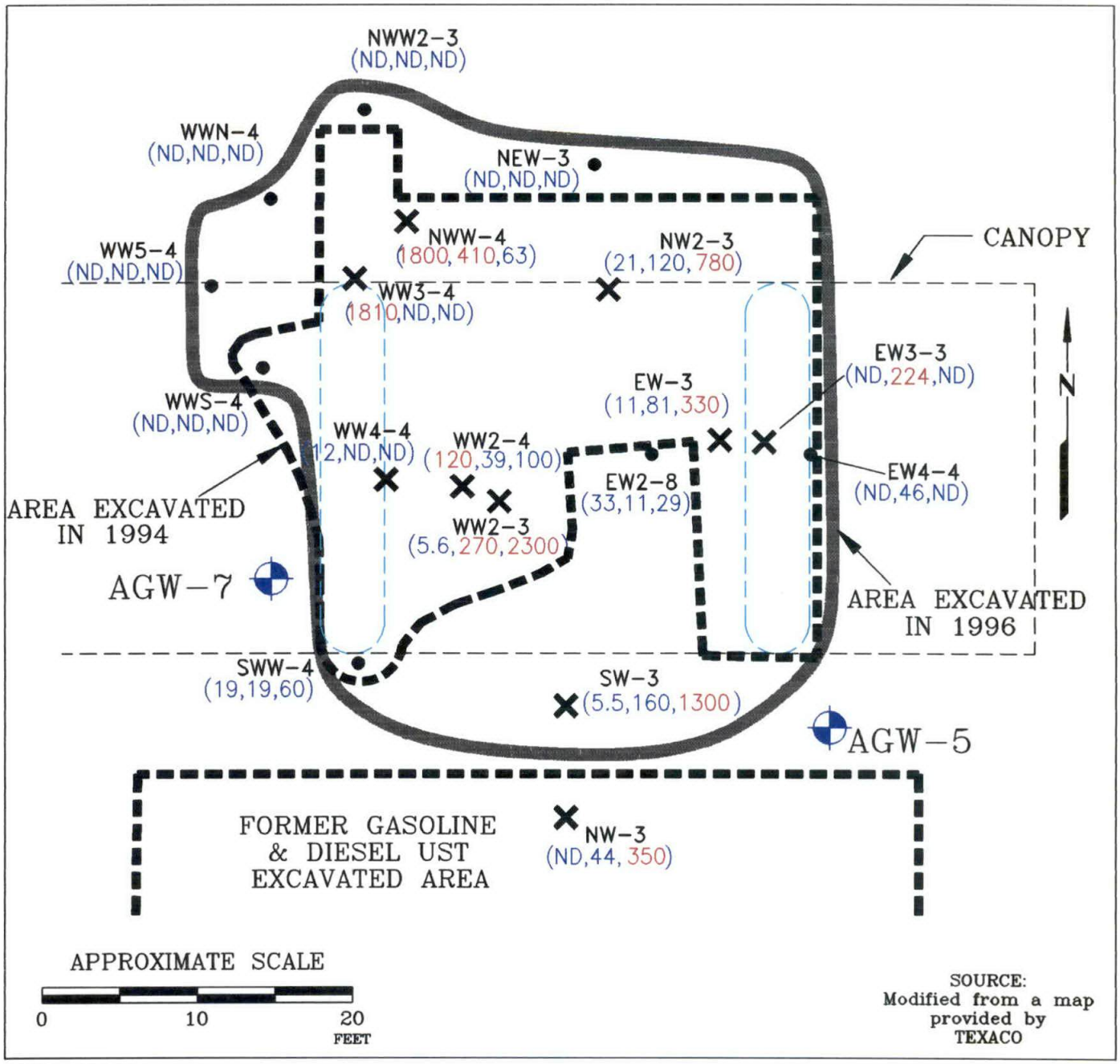
AREAS OF PRIOR EXCAVATION

FORMER TEXACO FACILITY 63-232-0037
8701 Greenwood Avenue North
Seattle, Washington

PROJECT NO. 31001

PLATE P-2

DATE: 12/29/95



FN 31001004

EXPLANATION

- AGW-7 — Groundwater Monitoring Well
- AGW-3 — Decommissioned Groundwater Monitoring Well
- × — Soil Sample Location Removed During Excavation
- ● — Soil Sample Location – Remaining Following Excavation
- – – – Limit of 1994 Excavation
- Former Dispenser Island

WW5-4 — Soil Sample Names (Numbers Signify Depth Below Grade in Feet)

(5.5,160,1300)
- Numbers in Red Exceed MTCA Method A Cleanup Levels
- TPH-O Concentration
- TPH-D Concentration
- TPH-G Concentration

ENVIRONMENTAL RESOLUTIONS, INC.

SOIL SAMPLE ANALYSES MAP

FORMER TEXACO FACILITY 63-232-0037
8701 Greenwood Avenue North
Seattle, Washington

PROJECT NO. 31001

PLATE P-3

DATE: 03/13/96

APPENDIX A

LABORATORY REPORTS AND CHAIN OF CUSTODY

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Project Name:	Texaco Seattle, #63-232-0037	
1921 Edmonds Drive SE	Client Project :	#31001.14T3	
Renton, WA 98055			Received: Feb 29, 1996
Attention: John Meyer	NCA Project #:	B602480	Reported: Mar 1, 1996

PROJECT SUMMARY PAGE

Laboratory Sample Number	Sample Description	Sample Matrix	Date Sampled
B602480-01	NW-3	Soil	2/29/96

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

NORTH CREEK ANALYTICAL Inc.

Laura Dutton

for Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco Seattle, #63-232-0037	
1921 Edmonds Drive SE	Sample Matrix:	Soil	
Renton, WA 98055			Received: Feb 29, 1996
Attention: John Meyer	First Sample #:	B602480-01	Reported: Mar 1, 1996

TOTAL SOLIDS & MOISTURE CONTENT REPORT

Sample Number	Sample Description	Total Solids %	Moisture Content %
B602480-01	NW-3	93	7.0

The enclosed analytical results for soils, sediments and sludges have been converted to a DRY WEIGHT reporting basis.
To attain the wet weight "as received" equivalent, multiply the dry weight result by the decimal fraction of percent Total Solids.

NORTH CREEK ANALYTICAL Inc.

Laura Dutton

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco Seattle, #63-232-0037	Sampled:	Feb 29, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Feb 29, 1996
Renton, WA 98055	Analysis Method:	WTPH-G	Analyzed:	Mar 1, 1996
Attention: John Meyer	First Sample #:	B602480-01	Reported:	Mar 1, 1996

TOTAL PETROLEUM HYDROCARBONS-GASOLINE RANGE

Sample Number	Sample Description	Sample Result mg/kg (ppm)	Surrogate Recovery %
B602480-01	NW-3	N.D.	104
BLK030196	Method Blank	N.D.	113

Reporting Limits	1.0

4-Bromofluorobenzene surrogate recovery control limits are 50 - 150 %.
Volatile Total Petroleum Hydrocarbons are quantitated as Gasoline Range Organics (toluene - dodecane).
Analytes reported as N.D. were not detected above the stated Reporting Limit. The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Laura Dutton

for Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco Seattle, #63-232-0037
Sample Matrix: Soil
Analysis Method: WTPH-G
Units: mg/kg (ppm)

Analyzed: Mar 1, 1996
Reported: Mar 1, 1996

HYDROCARBON QUALITY CONTROL DATA REPORT

ACCURACY ASSESSMENT
Laboratory Control Sample

Gasoline

Spike Conc. Added:	5.0
Spike Result:	4.6
% Recovery:	92
Upper Control Limit %:	115
Lower Control Limit %:	33

PRECISION ASSESSMENT
Sample Duplicate

Gasoline Range Hydrocarbons

Sample Number:	B602480-01
Original Result:	N.D.
Duplicate Result:	N.D.
Relative % Difference	Relative Percent Difference values are not reported at sample concentration levels less than 10 times the Detection Limit.
Maximum RPD:	67

NORTH CREEK ANALYTICAL In

Matthew T. Essig
Project Manager

% Recovery: $\frac{\text{Spike Result}}{\text{Spike Concentration Added}} \times 100$

Relative % Difference: $\frac{\text{Original Result - Duplicate Result}}{(\text{Original Result + Duplicate Result}) / 2} \times 100$

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco Seattle, #63-232-0037	Sampled:	Feb 29, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Feb 29, 1996
Renton, WA 98055	Analysis Method:	EPA 8020	Analyzed:	Mar 1, 1996
Attention: John Meyer	First Sample #:	B602480-01	Reported:	Mar 1, 1996

BTEX DISTINCTION

Sample Number	Sample Description	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	Surrogate Recovery %
B602480-01	NW-3	N.D.	N.D.	N.D.	N.D.	100
BLK03096	Method Blank	N.D.	N.D.	N.D.	N.D.	107
Reporting Limits:		**0.050**	**0.050**	**0.050**	**0.10**	

4-Bromofluorobenzene surrogate recovery control limits are 34 - 166 %.
Analytes reported as N.D. were not detected above the stated Reporting Limit.
The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Laura Dutton

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco Seattle, #63-232-0037
Sample Matrix: Soil
Analysis Method: EPA 8020
Units: mg/kg (ppm)
QC Sample #: B602480-01

Analyzed: Mar 1, 1996
Reported: Mar 4, 1996

MATRIX SPIKE QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Sample Result:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.54	0.54	0.54	1.62
Spike Result:	0.47	0.51	0.48	1.70
Spike % Recovery:	87%	94%	89%	105%
Spike Dup. Result:	0.50	0.50	0.51	1.74
Spike Duplicate % Recovery:	93%	93%	94%	107%
Upper Control Limit %:	111	118	120	128
Lower Control Limit %:	59	55	61	55
Relative % Difference:	6.4%	2.0%	6.1%	2.3%
Maximum RPD:	17	16	17	17

NORTH CREEK ANALYTICAL In

Matthew T. Essig
Project Manager

% Recovery: $\frac{\text{Spike Result - Sample Result}}{\text{Spike Conc. Added}} \times 100$

Relative % Difference: $\frac{\text{Spike Result - Spike Dup. Result}}{\text{(Spike Result + Spike Dup. Result) / 2}} \times 100$

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco Seattle, #63-232-0037	Sampled:	Feb 29, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Feb 29, 1996
Renton, WA 98055	Analysis Method:	WTPH-D Extended	Extracted:	Feb 29, 1996
Attention: John Meyer	First Sample #:	B602480-01	Analyzed:	b29-Mar 1,1996
			Reported:	Mar 1, 1996

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE EXTENDED

Sample Number	Sample Description	Diesel Result mg/kg (ppm)	Heavy Oil Result mg/kg (ppm)	Surrogate Recovery %
B602480-01	NW-3	44	350	80
BLK022996	Method Blank	N.D.	N.D.	93
Reporting Limit:		**10**	**25**	

2-Fluorobiphenyl Surrogate Recovery Control Limits are 50 - 150%.
Extractable Hydrocarbons are quantitated as Diesel Range Organics (C12 - C24) and Heavy Oil Range Organics (>C24).
Analytes reported as N.D. were not detected above the stated Reporting Limit. The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Laura Dutton

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco Seattle, #63-232-0037
Sample Matrix: Soil
Analysis Method: WTPH-D
Units: mg/kg (ppm)

Extracted: Feb 29, 1996
Analyzed: b29-Mar 1,1996
Reported: Mar 1, 1996

HYDROCARBON QUALITY CONTROL DATA REPORT

ACCURACY ASSESSMENT
Laboratory Control Sample

Diesel

Spike Conc. Added:	68.0
Spike Result:	65.4
% Recovery:	96
Upper Control Limit %:	110
Lower Control Limit %:	72

PRECISION ASSESSMENT
Sample Duplicate

Diesel Range Hydrocarbons

Sample Number:	B602452-03
Original Result:	N.D.
Duplicate Result:	N.D.
Relative % Difference	Relative Percent Difference values are not reported at sample concentration levels less than 10 times the Reporting Limit.
Maximum RPD:	49

NORTH CREEK ANALYTICAL In

Laura Sutton

for Matthew T. Essig
Project Manager

$$\text{\% Recovery:} \quad \frac{\text{Spike Result}}{\text{Spike Concentration Added}} \times 100$$

$$\text{Relative \% Difference:} \quad \frac{\text{Original Result - Duplicate Result}}{(\text{Original Result + Duplicate Result}) / 2} \times 100$$

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508 (206) 481-9200 FAX 485-2992
East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

TEXACO CHAIN OF CUSTODY REPORT

Work Order #: B602480

CONSULTANT: ERI
PROJECT MANAGER: John Meyer
ADDRESS: 1921 Edmonds Dr SE Renton, WA 98055
PHONE: (206) 227-0280 FAX: (206) 227-0225
PROJECT NAME: Texaco Greenwood
PROJECT NUMBER: 31001.14T3
SAMPLED BY: Meyer, Jon

TEXACO INFORMATION

TEXACO PROJECT MANAGER: T. Geiger
TEXACO FACILITY NUMBER: 63-2320037
SITE ADDRESS: 8701 Greenwood Ave South, WA

State Hydrocarbon Methods (please circle): WA OR AK ID

TURNAROUND REQUEST in Business Days

Organic & Inorganic Analyses *: 10 | 5 | 3 | 1 (X)
Air Analyses *: 3 | 1
OTHER Specify:

* Standard Turnaround for Organic & Inorganic Analyses is 10 Days
* Standard Turnaround for Air Analyses is 3 Days

NCA SAMPLE NUMBER	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE / TIME	Analysis Request: TPH-G/BTEX	TPH-D	TPH-D Extended	TPH-418.1	TPH-HCID	Tot/Diss Lead	MATRIX (W, S, O)	# OF CONTAINERS	COMMENTS & PRESERVATIVES USED
B602480-01	1. NW-3	2/29/96	X		X				S	1	Analyze ASAP
	2.										
	3.										
	4.										
	5.										
	6.										
	7.										
	8.										
	9.										
	10.										

RELINQUISHED BY: [signature] DATE: 2/29/96
PRINT NAME: John Meyer FIRM: ERI TIME: 4:35

RECEIVED BY: [signature] T. Geiger DATE: 2/29/96
PRINT NAME: MATTHEW [illegible] FIRM: NCA TIME: 4:35 pm

RELINQUISHED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS: Please fax & phone results to T. Geiger and John Meyer ASAP. Thanks!

Pacific # 91B-0254

PAGE 1 OF 1

TEXCOC.REV2, 11/95

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Project Name:	Texaco #63-232-0037	
1921 Edmonds Drive SE	Client Project :	31001.14T3	
Renton, WA 98055			Received: Mar 1, 1996
Attention: John Meyer	NCA Project #:	B603016	Reported: Mar 4, 1996

PROJECT SUMMARY PAGE

Laboratory Sample Number	Sample Description	Sample Matrix	Date Sampled
B603016-01	NW2-3	Soil	3/1/96
B603016-02	SW-3	Soil	3/1/96
B603016-03	WW2-3	Soil	3/1/96
B603016-04	WW-3	Soil	3/1/96
B603016-05	SP-1 (comp)	Soil	3/1/96
B603016-06	SP-2 (comp)	Soil	3/1/96
B603016-07	EW-3	Soil	3/1/96

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco #63-232-0037
Sample Matrix: Soil
First Sample #: B603016-01

Received: Mar 1, 1996
Reported: Mar 4, 1996

TOTAL SOLIDS & MOISTURE CONTENT REPORT

Sample Number	Sample Description	Total Solids %	Moisture Content %
B603016-01	NW2-3	92	8.0
B603016-02	SW-3	94	6.0
B603016-03	WW2-3	91	9.0
B603016-04	WW-3	89	11
B603016-05	SP-1 (comp)	93	7.0
B603016-06	SP-2 (comp)	92	8.0
B603016-07	EW-3	91	9.0

The enclosed analytical results for soils, sediments and sludges have been converted to a DRY WEIGHT reporting basis.
To attain the wet weight "as received" equivalent, multiply the dry weight result by the decimal fraction of percent Total Solids.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco #63-232-0037	Sampled:	Mar 1, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Mar 1, 1996
Renton, WA 98055	Analysis Method:	WTPH-G	Analyzed:	Mar 3, 1996
Attention: John Meyer	First Sample #:	B603016-01	Reported:	Mar 4, 1996

TOTAL PETROLEUM HYDROCARBONS-GASOLINE RANGE

Sample Number	Sample Description	Sample Result mg/kg (ppm)	Surrogate Recovery %
B603016-01	NW2-3	21	127
B603016-02	SW-3	5.5	103
B603016-03	WW2-3	5.6	97
B603016-05	SP-1 (comp)	28	107
B603016-06	SP-2 (comp)	17	116
B603016-07	EW-3	11	113
BLK030396	Method Blank	N.D.	80

Reporting Limits	**1.0**

4-Bromofluorobenzene surrogate recovery control limits are 50 - 150 %.
Volatile Total Petroleum Hydrocarbons are quantitated as Gasoline Range Organics (toluene - dodecane).
Analytes reported as N.D. were not detected above the stated Reporting Limit. The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco #63-232-0037
Sample Matrix: Soil
Analysis Method: WTPH-G
Units: mg/kg (ppm)

Analyzed: Mar 3, 1996
Reported: Mar 4, 1996

HYDROCARBON QUALITY CONTROL DATA REPORT

ACCURACY ASSESSMENT
Laboratory Control Sample

Gasoline

Spike Conc. Added:	5.0
Spike Result:	3.9
% Recovery:	78
Upper Control Limit %:	115
Lower Control Limit %:	33

PRECISION ASSESSMENT
Sample Duplicate

Gasoline Range Hydrocarbons

Sample Number:	B603016-07
Original Result:	11
Duplicate Result:	9.3
Relative % Difference:	Relative Percent Difference values are not reported at sample concentration levels less than 10 times the Detection Limit.
Maximum RPD:	67

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

% Recovery: $\frac{\text{Spike Result}}{\text{Spike Concentration Added}} \times 100$

Relative % Difference: $\frac{\text{Original Result - Duplicate Result}}{(\text{Original Result + Duplicate Result}) / 2} \times 100$

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco #63-232-0037	Sampled:	Mar 1, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Mar 1, 1996
Renton, WA 98055	Analysis Method:	EPA 8020	Analyzed:	Mar 3, 1996
Attention: John Meyer	First Sample #:	B603016-01	Reported:	Mar 4, 1996

BTEX DISTINCTION

Sample Number	Sample Description	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	Surrogate Recovery %
B603016-01	NW2-3	0.56	0.61	0.17	0.98	132
B603016-02	SW-3	N.D.	0.12	N.D.	0.29	117
B603016-03	WW2-3	N.D.	N.D.	N.D.	0.15	118
B603016-05	SP-1 (comp)	N.D.	0.56	0.30	1.9	116
B603016-06	SP-2 (comp)	N.D.	0.097	0.077	0.40	125
B603016-07	EW-3	N.D.	N.D.	N.D.	N.D.	125
BLK030396	Method Blank	N.D.	N.D.	N.D.	N.D.	131
Reporting Limits:		**0.050**	**0.050**	**0.050**	**0.10**	

4-Bromofluorobenzene surrogate recovery control limits are 34 - 166 %.
Analytes reported as N.D. were not detected above the stated Reporting Limit.
The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco #63-232-0037
Sample Matrix: Soil
Analysis Method: EPA 8020
Units: mg/kg (ppm)
QC Sample #: B603016-07

Analyzed: Mar 3, 1996
Reported: Mar 4, 1996

MATRIX SPIKE QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Sample Result:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.55	0.55	0.55	1.65
Spike Result:	0.57	0.65	0.63	1.94
Spike % Recovery:	104%	118%	115%	118%
Spike Dup. Result:	0.58	0.58	0.59	1.75
Spike Duplicate % Recovery:	105%	105%	107%	106%
Upper Control Limit %:	111	118	120	128
Lower Control Limit %:	59	55	61	55
Relative % Difference:	1.7%	11%	6.6%	10%
Maximum RPD:	17	16	17	17

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

% Recovery: $\frac{\text{Spike Result - Sample Result}}{\text{Spike Conc. Added}} \times 100$

Relative % Difference: $\frac{\text{Spike Result - Spike Dup. Result}}{\text{(Spike Result + Spike Dup. Result) / 2}} \times 100$

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco #63-232-0037	Sampled:	Mar 1, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Mar 1, 1996
Renton, WA 98055	Analysis Method:	WTPH-D Extended	Extracted:	Mar 1, 1996
Attention: John Meyer	First Sample #:	B603016-01	Analyzed:	Mar 3-4, 1996
			Reported:	Mar 4, 1996

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE EXTENDED

Sample Number	Sample Description	Diesel Result mg/kg (ppm)	Heavy Oil Result mg/kg (ppm)	Surrogate Recovery %
B603016-01	NW2-3	120	780	77
B603016-02	SW-3	160	1,300	86
B603016-03	WW2-3	270	2,300	97
B603016-05	SP-1 (comp)	120	450	97
B603016-06	SP-2 (comp)	75	320	92
B603016-07	EW-3	81	330	96
BLK030396	Method Blank	N.D.	N.D.	81
Reporting Limit:		**10**	**25**	

2-Fluorobiphenyl Surrogate Recovery Control Limits are 50 - 150%.
Extractable Hydrocarbons are quantitated as Diesel Range Organics (C12 - C24) and Heavy Oil Range Organics (>C24).
Analytes reported as N.D. were not detected above the stated Reporting Limit. The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco #63-232-0037
Sample Matrix: Soil
Analysis Method: WTPH-D
Units: mg/kg (ppm)

Extracted: Mar 1, 1996
Analyzed: Mar 3-4, 1996
Reported: Mar 4, 1996

HYDROCARBON QUALITY CONTROL DATA REPORT

ACCURACY ASSESSMENT
Laboratory Control Sample

Diesel

Spike Conc. Added:	68.0
Spike Result:	69.6
% Recovery:	102
Upper Control Limit %:	110
Lower Control Limit %:	72

PRECISION ASSESSMENT
Sample Duplicate

Diesel Range Hydrocarbons

Sample Number:	B602472-04
Original Result:	33
Duplicate Result:	33
Relative % Difference	Relative Percent Difference values are not reported at sample concentration levels less than 10 times the Reporting Limit.
Maximum RPD:	49

NORTH CREEK ANALYTICAL In

Matthew T. Essig
Project Manager

$$\%\ \text{Recovery:} \quad \frac{\text{Spike Result}}{\text{Spike Concentration Added}} \times 100$$

$$\text{Relative \% Difference:} \quad \frac{\text{Original Result - Duplicate Result}}{(\text{Original Result + Duplicate Result}) \ / \ 2} \times 100$$

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508 (206) 481-9200 FAX 485-2992
East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

TEXACO CHAIN OF CUSTODY REPORT Work Order #:

CONSULTANT: ERI
PROJECT MANAGER: John Meyer
ADDRESS: 1921 Edmonds Dr SE Renton, WA 98055
PHONE: (206) 227-0280 FAX: 227-0225
PROJECT NAME: Texaco Glenwood
PROJECT NUMBER: 31001.14T3
SAMPLED BY: John Meyer

TEXACO INFORMATION
TEXACO PROJECT MANAGER: T. Geijer
TEXACO FACILITY NUMBER: 63-232-0037
SITE ADDRESS: 8701 Glenwood Ave

State Hydrocarbon Methods (please circle): WA OR AK ID

TURNAROUND REQUEST in Business Days
Organic & Inorganic Analyses *: 10 | 5 | 3 | (1)
Air Analyses *: 3 | 1
OTHER Specify:
* Standard Turnaround for Organic & Inorganic Analyses is 10 Days
* Standard Turnaround for Air Analyses is 3 Days

NCA SAMPLE NUMBER	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE / TIME	Analysis Request: TPH-G/BTEX	TPH-D	TPH-D Extended	TPH-418.1	TPH-HCID	Tot/Diss Lead				MATRIX (W, S, O)	# OF CONTAINERS	COMMENTS & PRESERVATIVES USED
NW2-3	1. B1003016-01	3/1/96	X		X							S	1	
SW-3	2. -02		X		X									
WW2-3	3. -03		X		X									
WW-3	4. -04													Hold
SP-1 (comp)	5. -05		X		X									
SP-2 (comp)	6. -06		X		X									
EW-3	7. -07		X		X									
	8.													
	9.													
	10.													

RELINQUISHED BY: John Meyer DATE: 3/1/96
PRINT NAME: John Meyer FIRM: ERI TIME: 15:35

RECEIVED BY: Pamela M Rose DATE: 3/1/96
PRINT NAME: R. Rose FIRM: NCA TIME: 1540

RELINQUISHED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS: Analyze ASAP. Phone results to J. Meyer & T. Geijer ASAP.

PAGE OF

TEXCOC.REV2, 11/95

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Project Name:	Texaco Seattle, #63-232-0037	
1921 Edmonds Drive SE	Client Project :	Not Provided	
Renton, WA 98055			Received: Mar 4, 1996
Attention: John Meyer	NCA Project #:	B603027	Reported: Mar 4, 1996

PROJECT SUMMARY PAGE

Laboratory Sample Number	Sample Description	Sample Matrix	Date Sampled
B603027-01	NWW-4	Soil	3/4/96
B603027-02	EW2-8	Soil	3/4/96
B603027-03	SWW-4	Soil	3/4/96
B603027-04	WW2-4	Soil	3/4/96

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco Seattle, #63-232-0037
Sample Matrix: Soil
First Sample #: B603027-01

Received: Mar 4, 1996
Reported: Mar 4, 1996

TOTAL SOLIDS & MOISTURE CONTENT REPORT

Sample Number	Sample Description	Total Solids %	Moisture Content %
B603027-01	NWW-4	85	15
B603027-02	EW2-8	89	11
B603027-03	SWW-4	89	11
B603027-04	WW2-4	82	18

The enclosed analytical results for soils, sediments and sludges have been converted to a DRY WEIGHT reporting basis.
To attain the wet weight "as received" equivalent, multiply the dry weight result by the decimal fraction of percent Total Solids.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco Seattle, #63-232-0037	Sampled:	Mar 4, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Mar 4, 1996
Renton, WA 98055	Analysis Method:	WTPH-G	Analyzed:	Mar 4, 1996
Attention: John Meyer	First Sample #:	B603027-01	Reported:	Mar 4, 1996

TOTAL PETROLEUM HYDROCARBONS-GASOLINE RANGE

Sample Number	Sample Description	Sample Result mg/kg (ppm)	Surrogate Recovery %
B603027-01	NWW-4	1,800	S-2
B603027-02	EW2-8	33	92
B603027-03	SWW-4	19	101
B603027-04	WW2-4	120	114
BLK030496	Method Blank	N.D.	74

Reporting Limits	1.0

4-Bromofluorobenzene surrogate recovery control limits are 50 - 150 %.
Volatile Total Petroleum Hydrocarbons are quantitated as Gasoline Range Organics (toluene - dodecane).
Analytes reported as N.D. were not detected above the stated Reporting Limit. The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

Please Note:
S-2 = The Surrogate Recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco Seattle, #63-232-0037
Sample Matrix: Soil
Analysis Method: WTPH-G
Units: mg/kg (ppm)

Analyzed: Mar 4, 1996
Reported: Mar 4, 1996

HYDROCARBON QUALITY CONTROL DATA REPORT

ACCURACY ASSESSMENT
Laboratory Control Sample

Gasoline

Spike Conc. Added:	5.0
Spike Result:	3.8
% Recovery:	76
Upper Control Limit %:	115
Lower Control Limit %:	33

PRECISION ASSESSMENT
Sample Duplicate

Gasoline Range Hydrocarbons

Sample Number:	B603013-02
Original Result:	270
Duplicate Result:	250
Relative % Difference:	7.7
Maximum RPD:	67

NORTH CREEK ANALYTICAL Inc

Matthew T. Essig
Project Manager

% Recovery: $\frac{\text{Spike Result}}{\text{Spike Concentration Added}} \times 100$

Relative % Difference: $\frac{\text{Original Result - Duplicate Result}}{(\text{Original Result + Duplicate Result}) / 2} \times 100$

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco Seattle, #63-232-0037	Sampled:	Mar 4, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Mar 4, 1996
Renton, WA 98055	Analysis Method:	EPA 8020	Analyzed:	Mar 4, 1996
Attention: John Meyer	First Sample #:	B603027-01	Reported:	Mar 4, 1996

BTEX DISTINCTION

Sample Number	Sample Description	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	Surrogate Recovery %
B603027-01	NWW-4	N.D. R.L. =0.20	N.D. R.L. =0.20	9.0	6.1	S-2
B603027-02	EW2-8	N.D.	N.D.	0.086	0.10	123
B603027-03	SWW-4	N.D.	N.D.	0.015	0.14	120
B603027-04	WW2-4	0.053	N.D.	0.18	0.53	108
BLK030496	Method Blank	N.D.	N.D.	N.D.	N.D.	83
Reporting Limits:		**0.050**	**0.050**	**0.050**	**0.10**	

4-Bromofluorobenzene surrogate recovery control limits are 34 - 166 %.
Analytes reported as N.D. were not detected above the stated Reporting Limit.
The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

Please Note:
S-2 = The Surrogate Recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco Seattle, #63-232-0037
Sample Matrix: Soil
Analysis Method: EPA 8020
Units: mg/kg (ppm)
QC Sample #: B603027-04

Analyzed: Mar 4, 1996
Reported: Mar 4, 1996

MATRIX SPIKE QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Sample Result:	0.053	N.D.	0.18	0.53
Spike Conc. Added:	0.61	0.61	0.61	1.83
Spike Result:	0.51	0.61	0.77	2.20
Spike % Recovery:	75%	100%	97%	91%
Spike Dup. Result:	0.55	0.66	0.79	2.28
Spike Duplicate % Recovery:	81%	108%	100%	96%
Upper Control Limit %:	111	118	120	128
Lower Control Limit %:	59	55	61	55
Relative % Difference:	7.5%	7.9%	2.6%	3.5%
Maximum RPD:	17	16	17	17

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

% Recovery:	$\frac{\text{Spike Result - Sample Result}}{\text{Spike Conc. Added}}$	x 100
Relative % Difference:	$\frac{\text{Spike Result - Spike Dup. Result}}{\text{(Spike Result + Spike Dup. Result) / 2}}$	x 100

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI	Client Project ID:	Texaco Seattle, #63-232-0037	Sampled:	Mar 4, 1996
1921 Edmonds Drive SE	Sample Matrix:	Soil	Received:	Mar 4, 1996
Renton, WA 98055	Analysis Method:	WTPH-D Extended	Extracted:	Mar 4, 1996
Attention: John Meyer	First Sample #:	B603027-01	Analyzed:	Mar 4, 1996
			Reported:	Mar 4, 1996

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE EXTENDED

Sample Number	Sample Description	Diesel Result mg/kg (ppm)	Heavy Oil Result mg/kg (ppm)	Surrogate Recovery %
B603027-01	NWW-4	410 D-1, D-6	63	72
B603027-02	EW2-8	11	29	96
B603027-03	SWW-4	19	60	97
B603027-04	WW2-4	39	100	95
BLK030496	Method Blank	N.D.	N.D.	97

Reporting Limit:	**10**	**25**

2-Fluorobiphenyl Surrogate Recovery Control Limits are 50 - 150%.
Extractable Hydrocarbons are quantitated as Diesel Range Organics (C12 - C24) and Heavy Oil Range Organics (>C24).
Analytes reported as N.D. were not detected above the stated Reporting Limit. The results reported above are on a dry weight basis.

NORTH CREEK ANALYTICAL Inc.

Matthew T. Essig
Project Manager

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

HYDROCARBON ANALYSIS FOOTNOTES

2/94, Rev. 3

VOLATILE HYDROCARBONS - GASOLINE RANGE ORGANICS

G 1 This sample appears to contain extractable diesel range organics.

G 2 The chromatogram for this sample does not resemble a typical gasoline pattern. Please refer to the sample chromatogram.

G 3 The total hydrocarbon result in this sample is primarily due to an individual compound(s) eluting in the volatile hydrocarbon range. Identification and quantitation by EPA 8010, 8021 or 8240 is recommended.

G 4 This sample contains compound(s) not identified as Benzene, Toluene, Ethyl benzene or Xylene.

G 5 This sample appears to contain or be saturated with gasoline product.

EXTRACTABLE HYDROCARBONS - DIESEL RANGE ORGANICS

D 1 This sample appears to contain volatile gasoline range organics.

D 2 The hydrocarbons present in this sample resemble heavy, non-resolvable oil range organics. Quantitation by TPH-Diesel Extended or TPH 418.1 is recommended.

D 3 The hydrocarbon concentration result in this sample is partially due to an individual peak(s) eluting in the diesel / motor oil carbon range.

D 4 The hydrocarbons present in this sample are a complex mixture of diesel range and heavy oil range organics.

D 5 The hydrocarbon result shown is an estimated (greater than) value due to the high concentration. Reanalysis is being performed to yield a quantitative result. An amended report will follow.

D 6 The sample chromatographic pattern does not resemble the fuel standard used for quantitation. A fuel fingerprint is advised.

D 7 This sample appears to contain or be saturated with diesel product.

Oils and Lubricants
[----------]
TRPH 418.1

Diesel & Fuel Oils
[----------]
Extractable Hydrocarbons (TPH-D)

Gasoline
[----------]
Volatile Hydrocarbons (TPH-G)

HYDROCARBON BOILING POINT RANGE

LOW LOW TO MEDIUM MEDIUM MEDIUM TO HIGH VERY HIGH

CARBON RANGE:

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31+

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

ERI
1921 Edmonds Drive SE
Renton, WA 98055
Attention: John Meyer

Client Project ID: Texaco Seattle, #63-232-0037
Sample Matrix: Soil
Analysis Method: WTPH-D
Units: mg/kg (ppm)

Extracted: Mar 4, 1996
Analyzed: Mar 4, 1996
Reported: Mar 4, 1996

HYDROCARBON QUALITY CONTROL DATA REPORT

ACCURACY ASSESSMENT
Laboratory Control Sample

Diesel

Spike Conc. Added:	68.0
Spike Result:	58.7
% Recovery:	86
Upper Control Limit %:	110
Lower Control Limit %:	72

PRECISION ASSESSMENT
Sample Duplicate

Diesel Range Hydrocarbons

Sample Number:	B603027-02
Original Result:	12
Duplicate Result:	11
Relative % Difference:	Relative Percent Difference values are not reported at sample concentration levels less than 10 times the Reporting Limit.
Maximum RPD:	49

NORTH CREEK ANALYTICAL Inc

Matthew T. Essig
Project Manager

$$\text{\% Recovery:} \quad \frac{\text{Spike Result}}{\text{Spike Concentration Added}} \times 100$$

$$\text{Relative \% Difference:} \quad \frac{\text{Original Result - Duplicate Result}}{(\text{Original Result + Duplicate Result}) / 2} \times 100$$

NORTH CREEK ANALYTICAL

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-8208 (206) 481-9200 FAX 485-2992
East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

TEXACO CHAIN OF CUSTODY REPORT

Work Order #: B603027

CONSULTANT: ERI
PROJECT MANAGER: John Meyer
ADDRESS: 1921 Edmonds Dr SE Renton, WA 98055
PHONE: (206) 227-0280 FAX (206) 227-0225
PROJECT NAME:
PROJECT NUMBER:
SAMPLED BY:

TEXACO INFORMATION

TEXACO PROJECT MANAGER: T. Geiger
TEXACO FACILITY NUMBER: 63-232-0037
SITE ADDRESS: 8701 Greenwood Ave Seattle WA

State Hydrocarbon Methods (please circle): (WA) OR AK ID

TURNAROUND REQUEST in Business Days

Organic & Inorganic Analyses *: 10 | 5 | 3 | (1)
Air Analyses *: 3 | 1
OTHER Specify:

* Standard Turnaround for Organic & Inorganic Analyses is 10 Days
* Standard Turnaround for Air Analyses is 3 Days

NCA SAMPLE NUMBER	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE / TIME	Analysis Request: TPH-G/BTEX	TPH-D	TPH-D Extended	TPH-418.1	TPH-HCID	Tot/Diss Lead	MATRIX (W, S, O)	# OF CONTAINERS	COMMENTS & PRESERVATIVES USED
B603027-01	1. NWW-4	3/4/96	X		X				S	1	
-02	2. EW2-8		X		X						
-03	3. SWW-4		X		X						
-04	4. WW2-4		X		X						
	5.										
	6.										
	7.										
	8.										
	9.										
	10.										

RELINQUISHED BY: [signature] DATE: 3/4/96
PRINT NAME: John Meyer FIRM: ERI TIME: 10:59

RECEIVED BY: Rebecca M Rose DATE: 3/4/96
PRINT NAME: R. Rose FIRM: NCA TIME: 1100

RELINQUISHED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS: Please analyze ASAP. Please results to Meyer & Geiger ASAP! Meyer pager = 978-0254

PAGE OF

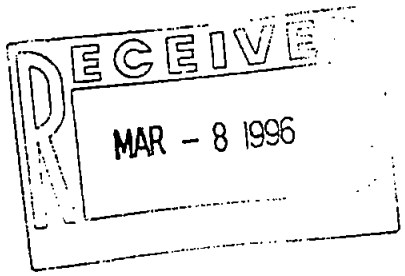
TEXCOC.REV2,11/95

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

7110 38th Drive SE
Lacey, Washington 98503

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432



March 7, 1996

Theresa Geijer
Texaco Environmental Health and Safety
3400 188th Street SW
Suite 630
Lynnwood, WA 98037

Dear Ms. Geijer:

Please find enclosed the data report for analyses conducted on-site March 5, 1996, for soil samples from the 8701 North Greenwood Avenue Project in Seattle, Washington. The soil samples were analyzed for BTEX by EPA Method 8020, Heavy Petroleum Hydrocarbons by WTPH-418.1, and Gasoline, Diesel and Oil by WTPH-G and WTPH-D/D Extended.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to Texaco Environmental Health and Safety for this project. It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec
President

QA/QC FOR ANALYTICAL METHODS

GENERAL

The TEG Northwest Laboratory quality assurance and quality control (QA/QC) procedures are conducted following the guidelines and objectives which meet or exceed certification/-accreditation requirements of California DOHS, Washington DOE, and Oregon DEQ. The Quality Control Program is a consistent set of procedures which assures data quality through the use of appropriate blanks, replicate analyses, surrogate spikes, and matrix spikes, and with the use of reference standards that meet or exceed EPA standards.

When analyses are taking place on-site with the mobile lab, the need for Field Blanks or Travel/Trip Blanks is eliminated. If there is going to be a delay before sample preparation for analysis, the sample is stored at 4° C.

ANALYTICAL METHODS

TEG Northwest Labs use analytical methodologies which are in conformity with U. S. Environmental Protection Agency (EPA), Washington DOE, and Oregon DEQ methodologies. When necessary and appropriate due to the nature or composition of the sample, TEG may use variations of the methods which are consistent with recognized standards or variations used by the industry and government laboratories.

TPH-Gasoline, TPH-Diesel
(Gasoline and/or Diesel, Modified EPA 8015, WTPH-G and WTPH-D)

A blank and a calibration standard are run at the beginning of the day. The standard must be within 15% of the continuing calibration curve value. The standard is rerun at the end of the day. All samples are prepared with a surrogate spike, and the recovery must be between 65% and 135%. A duplicate sample is run at a rate of 1 per 10 samples (or a matrix spike sample is prepared and analyzed). At least 1 method blank is run per 10 samples analyzed.

Purgeable Volatile Aromatics
(BTEX, EPA 602/8020)

A blank and a calibration standard are run at the beginning of the day. The standard must be within 15% of the continuing calibration curve value. The standard is rerun at the end of the day if more than 10 samples have been run. All samples are prepared with a surrogate spike, and the recovery must be between 65% and 135%. At least 1 method blank is run per day.

TPH-Heavy Fuel Hydrocarbons
(EPA 418.1, WTPH-418.1)

Calibration plot values must produce a best fit line, with known values deviating from the plot by less than 10%. Prior to sample run, a blank, a calibration standard, and a method blank are run. One method blank per 10 samples is prepared. A sample duplicate is prepared for each 10 samples to be run per day.

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST INC.

8701 NORTH GREENWOOD AVE. PROJECT
Seattle, Washington
Texaco Environmental Health and Safety

BTEX (EPA 8020) Analyses for Soils

Sample Number	Date Analyzed	Benzene mg/kg	Toluene mg/kg	Eth Benz mg/kg	Xylene mg/kg	Recovery (%)
Meth. Blank	03/05/96	nd	nd	nd	nd	99
EW3-3	03/05/96	nd	nd	nd	nd	112
EW3-3 Dup	03/05/96	nd	nd	nd	nd	107
NWW2-3	03/05/96	nd	nd	nd	nd	102
WW3-4	03/05/96	0.64	1.52	15.1	22.8	int
NEW3	03/05/96	nd	nd	nd	nd	102
EW4-4	03/05/96	nd	nd	nd	nd	101
WW4-4	03/05/96	0.34	0.22	0.50	2.24	103
WW5-4	03/05/96	nd	nd	nd	nd	109
WWS-4	03/05/96	nd	nd	nd	nd	112
WWN-4	03/05/96	nd	nd	nd	0.09	109
WWN-4 Dup	03/05/96	nd	nd	nd	0.10	103
Detection Limits		0.05	0.05	0.05	0.05	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interferences prevent determination.

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST INC.

8701 NORTH GREENWOOD AVE. PROJECT
Seattle, Washington
Texaco Environmental Health and Safety

Heavy Petroleum Hydrocarbons in soil by WTPH-418.1

Sample Number	Date	TPH mg/kg
Meth. Blank	03/05/96	nd
EW3-3	03/05/96	420
EW3-3 Dup	03/05/96	415
NWW2-3	03/05/96	75
WW3-4	03/05/96	2280
NEW3	03/05/96	nd
EW4-4	03/05/96	157
WW4-4	03/05/96	118
WW5-4	03/05/96	15
WWS-4	03/05/96	24
WWN-4	03/05/96	108
WWN-4 Dup	03/05/96	115
Method Detection Limit		10

"nd" Indicates not detected at the listed detection limit.

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST INC.

8701 NORTH GREENWOOD AVE. PROJECT
Seattle, Washington
Texaco Environmental Health and Safety

Gasoline, Diesel and Oil in Soil by WTPH-G and WTPH-D/D-Extended

Sample Number	Date	Recovery %	Gasoline mg/kg	Diesel mg/kg	Heavy Oil mg/kg
Meth. Blank	03/05/96	110	nd	nd	nd
EW3-3	03/05/96	105	nd	224	nd
EW3-3 Dup	03/05/96	113	nd	206	nd
NWW2-3	03/05/96	97	nd	nd	nd
WW3-4	03/05/96	int	1810	nd	nd
NEW3	03/05/96	116	nd	nd	nd
EW4-4	03/05/96	91	nd	46	nd
WW4-4	03/05/96	82	12	nd	nd
WW5-4	03/05/96	108	nd	nd	nd
WWS-4	03/05/96	92	nd	nd	nd
WWN-4	03/05/96	108	nd	nd	nd
WWN-4 Dup	03/05/96	98	nd	nd	nd
MDL			10	20	40

"nd" Indicates not detected at the listed detection limit.
"int" Indicates that interference peaks prevent determination.

teg TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: TEXACO ENV. HEALTH and SAFETY
ADDRESS: 3400 188TH ST. SW, LYNNWOOD, WA
PHONE 206-774-6090 FAX: 206-771-7786
CLIENT PROJECT #: PROJECT MANAGER: Theresa Greijer

DATE: 3/5/96 PAGE 1 OF
PROJECT NAME: 8701 N Greenwood Ave
LOCATION: Seattle
COLLECTOR: John Meyer DATE OF COLLECTION 3/5/96

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH (8015 (diesel) 2x	TPH 8015 (g & d)	PAH 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number of Containers	Laboratory Note Number
EW3-3	3	850	Soil	glass Jar	X			X	X	X											1	
NWW2-3	3'	1000	"	"	X			X	X	X										NWW2-3	1	
WW3-4	4	1002	"	"	X			X	X	X											1	
NEW-3	3	1020	"	"	X			X	X	X												
EW4-4	4	1030	"	"	X			X	X	X												
WW4-4	4	1040	"	"	X			X	X	X												
WW5-4	4	1145	"	"	X			X	X	X												
WW8-4	4	1200	"	"	X			X	X	X												
WWH-4	4'	1205	"	"	X			X	X	X												

3/5/96

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	3/5/96	[signature]	3/5/96 1315
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS
☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

APPENDIX B

BILLS OF LADING, SOIL MANIFESTS, AND WEIGH TICKETS

***FOR 24 HOUR EMERGENCY RESPONSE INFORMATION, CALL (206) 872 7859 ***
(16035) 57396 03/01/96

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB no. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WAD988603116

Manifest Document No. 20809

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Texaco
8201 Greenwood Ave North
Seattle WA 98103

4. Generator's Phone (206)889-3253

5. Transporter 1 Company Name: Amalgamated Services Inc

6. US EPA ID Number: WAD000711531

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Burlington Environmental, Inc. Kent
20245 77th Avenue South
Kent, WA 98032

10. US EPA ID Number: WAD991281767

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (206)854-6643

E. State Transporter's ID

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (206) 872-8030

	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	MATERIAL NOT REGULATED BY DOT	1	TT	~~543~~ 590	G	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a) XPO 143268-00 - RUSTY WATER TREAT (1)

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Please return original manifest to Robin Lane, Texaco, PO Box 2464 Kirkland WA 98083 Texaco job [illegible]

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]			

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
For ASI Scott Nitschke	[signature]	03	01	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

GENERATOR COPY

PHILIP ENVIRONMENTAL TRANSPORTATION GROUP

- ☐ RESOURCE RECOVERY 1629 East Alexander Ave., Tacoma WA 98421 (206) 625-8630
- ☒ BEI PUGET SOUND 1629 East Alexander Ave., Tacoma WA 98421 (206) 625-8630
- ☐ BEI SAN DIEGO 8451 Miralani Dr., Suite A, San Diego, CA 92121 (619) 549-1090
- ☐ BEI ALASKA 1813 E. 1st Ave., Suite 201, Anchorage AK 99501 (907) 272-9007
- ☐ BEI HAWAII 1263 Manulani St., Kailua, HI 96734 (808) 263-4543
- ☐ SMALL QUANTITY SERVICES 1629 East Alexander Ave., Tacoma WA 98421 (206) 625-8630

BILL OF LADING

DATE 3-6-96	BEGINNING MILEAGE 125,389	ON DUTY 0630 (AM) PM
DRIVER NAME G. NICKELL	ENDING MILEAGE 125,	OFF DUTY AM PM
VEHICLE NO. 6000	TRAILER NO.	COST CENTER / SHIPPERS NO. 20858 / ORDER NO. 57396

SHIPPER / ORIGIN

NAME TEXACO

ADDRESS

CITY SEATTLE STATE WA ZIP

WEIGH INFORMATION

GROSS

TARE

NET

FOR OFFICE USE ONLY

MILEAGE / CONTAINER	RATE	FREIGHT
PLEASE PAY THIS AMOUNT →		

QUANTITY	DOT PROPER SHIPPING NAME	HAZARD CLASS	HAZ. MATERIAL I.D. NUMBER
550 G.	MATERIAL NOT REGULATED BY D.O.T.	—	—

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

On behalf of Texaco

X [signature] DATE 3/6/96

MANIFEST NO.	ORDER NO.	FROM	TO	TIME OUT	TIME IN	TRAVEL TIME	MILEAGE	GALLONS / CAN
				AM PM	AM PM			
				AM PM	AM PM			
				AM PM	AM PM			
				AM PM	AM PM			
				AM PM	AM PM			

DESTINATION

NAME B.E. #5 KENT RECEIPT #

ADDRESS

CITY KENT STATE WA ZIP

VEHICLE NO. 6000 TRAILER NO. DATE 3-6-96

☐ LOADED ☒ UNLOADED ☒ RINSED

- ☐ GEORGETOWN 734 S. Lucile St., Seattle, WA 98108 (206) 762-3362
- ☐ PIER 91 Building 19, Box C-105, 2001 W. Garfield St., Seattle, WA 98119 (206) 284-2450
- ☐ TACOMA 1701 E. Alexander Ave., Tacoma, WA 98421 (206) 627-7568
- ☐ WASHOUGAL 625 South 32nd St (PO Box 229) Washougal, WA 98671 (360) 835-8594
- ☒ KENT 20245 77th Ave S., Kent, WA 98032 (206) 872-7859

ARRIVAL TIME: 0800

LOAD TIME: START: 0830 (AM) PM	2 HRS. FREE TIME	UNLOAD TIME: START: AM PM	___ HRS. FREE TIME
FINISH: 1000 AM PM	___ HRS. CHARGEABLE	FINISH: AM PM	___ HRS. CHARGEABLE

REASON FOR LOAD DELAY: STAND BY 0915-

REASON FOR UNLOAD DELAY:

SIGNATURE FOR DELAY:

SIGNATURE FOR DELAY:

DRIVER SIGNATURE [signature]

CUSTOMER COPY

**FOR 24 HOUR EMERGENCY RESPONSE INFORMATION, CALL (206) 872-7859 **
(16035) 52396 03/05/96

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB no. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	WAD988503116
Manifest Document No.	20956
2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address	Texaco 8701 Greenwood Ave North Seattle WA 98103
4. Generator's Phone	(206) 889-3253
5. Transporter 1 Company Name	Burlington Environmental, Inc.
6. US EPA ID Number	WAR000001743
7. Transporter 2 Company Name	
8. US EPA ID Number	
9. Designated Facility Name and Site Address	Burlington Environmental, Inc Kent 20245 77th Avenue South Kent WA 98032
10. US EPA ID Number	WAD991281767
A. State Manifest Document Number	
B. State Generator's ID	
C. State Transporter's ID	
D. Transporter's Phone	(206) 883-3084
E. State Transporter's ID	
F. Transporter's Phone	( )
G. State Facility's ID	
H. Facility's Phone	(206) 872-8030

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. MATERIAL NOT REGULATED BY DOT		1	TT	550	G	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a) WPQ 143268-00 RUSTY WATER TREAT (5)

K. Handling Codes for Wastes Listed Above
a)

15. Special Handling Instructions and Additional Information

Please return original manifest to: Robin Lane, Texaco, PO Box 2969, Kirkland WA 98073 Texaco Job #

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
On behalf of Texaco John K Moyer	[signature]	03	06	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GARY NICKELL	[signature]	3	6	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / TRANSPORTER / FACILITY

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

GENERATOR COPY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
WA.D.988503116	20807		

GENERATOR

3. Generator's Name and Mailing Address: Texaco, 8701 Greenwood Ave N., Seattle, WA. 98103

4. Generator's Phone (206) 789-3253

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Amalgamated Services, Inc.

6. US EPA ID Number: WA.D.000.7.1.1.5.3.1

C. State Transporter's ID

D. Transporter's Phone: (206) 770-2004

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Burlington Environmental, Inc., 20245 77th Ave. S., Kent, WA. 98032

10. US EPA ID Number: WA.D.9.9.1.2.8.1.7.6.7

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Material not regulated by D.O.T.		001	TT	615	G	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: UPC #13268-00 - Rusty Water - Treat (1)

K. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information: return original MANIFEST to: Robin Lane, Texaco, P.O. Box 2969, Kirkland, WA 98033

Texaco Job # 1648400

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
THERESA GEISER	T. H. Geiser	03	04	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
For A.S.I. Scott Nitschke	Scott Nitschke	03	04	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

PHILIP ENVIRONMENTAL
TRANSPORTATION GROUP

- ☐ RESOURCE RECOVERY 1629 East Alexander Ave., Tacoma WA 98421 (206) 625-8630
- ☒ BEI PUGET SOUND 1629 East Alexander Ave., Tacoma WA 98421 (206) 625-8630
- ☐ BEI SAN DIEGO 8451 Miralani Dr., Suite A, San Diego, CA 92121 (619) 549-1090
- ☐ BEI ALASKA 1813 E. 1st Ave., Suite 201, Anchorage AK 99501 (907) 272-9007
- ☐ BEI HAWAII 1263 Manulani St., Kailua, HI 96734 (808) 263-4543
- ☐ SMALL QUANTITY SERVICES 1629 East Alexander Ave., Tacoma WA 98421 (206) 625-8630

BILL OF LADING

DATE	BEGINNING MILEAGE	ON DUTY	AM / PM
3-5-96	125,245	1015	
DRIVER NAME	**ENDING MILEAGE**	**OFF DUTY**	AM / PM
G. NICKELL			
VEHICLE NO.	**TRAILER NO.**	**COST CENTER**	**SHIPPERS NO.** / **ORDER NO.**
6000			20827 / 57396

SHIPPER / ORIGIN

NAME TEXACO

ADDRESS

CITY SEATTLE STATE WA ZIP

WEIGH INFORMATION

GROSS

TARE

NET

FOR OFFICE USE ONLY

MILEAGE / CONTAINER	RATE	FREIGHT

QUANTITY	DOT PROPER SHIPPING NAME	HAZARD CLASS	HAZ. MATERIAL I.D. NUMBER
150G.	MATERIAL NOT REGULATED BY D.O.T.	—	—

PLEASE PAY THIS AMOUNT →

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

X T. A. Gaje DATE 3-5-96

MANIFEST NO.	ORDER NO.	FROM	TO	TIME OUT	TIME IN	TRAVEL TIME	MILEAGE	GALLONS / CAN
				AM / PM	AM / PM			
				AM / PM	AM / PM			
				AM / PM	AM / PM			
				AM / PM	AM / PM			
				AM / PM	AM / PM			

DESTINATION

NAME B.E.# 5 KENT RECEIPT #

ADDRESS

CITY KENT STATE WA ZIP

VEHICLE NO. 6000 TRAILER NO. DATE 3-5-96

☐ LOADED ☒ UNLOADED ☒ RINSED

- ☐ GEORGETOWN 734 S. Lucile St., Seattle, WA 98108 (206) 762-3362
- ☐ PIER 91 Building 19, Box C-105, 2001 W. Garfield St., Seattle, WA 98119 (206) 284-2450
- ☐ TACOMA 1701 E. Alexander Ave., Tacoma, WA 98421 (206) 627-7568
- ☐ WASHOUGAL 625 South 32nd St (PO Box 229) Washougal, WA 98671 (360) 835-8594
- ☒ KENT 20245 77th Ave S., Kent, WA 98032 (206) 872-7859

ARRIVAL TIME: 1130

LOAD TIME: START:	AM / PM	HRS. FREE TIME	UNLOAD TIME: START:	AM / PM	HRS. FREE TIME
1135		3/4			
FINISH:	AM / PM	HRS. CHARGEABLE	**FINISH:**	AM / PM	HRS. CHARGEABLE
1215					

REASON FOR LOAD DELAY:

REASON FOR UNLOAD DELAY:

SIGNATURE FOR DELAY:

DRIVER SIGNATURE Gary Nickell

SIGNATURE FOR DELAY:

CUSTOMER COPY

***FOR 24 HOUR EMERGENCY RESPONSE INFORMATION, CALL (206) 872-7859 ***

(16035) 37396 03/05/96

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB no. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WAD988503114 | Manifest Document No. 30827 | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Texaco
8701 Greenwood Ave. North
Seattle WA 98103

4. Generator's Phone (206)889-3253

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Burlington Environmental, Inc.

6. US EPA ID Number: WAR000001743

C. State Transporter's ID

D. Transporter's Phone (206)383-3044

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
Burlington Environmental, Inc. Kent
20245 77th Avenue South
Kent, WA 98032

10. US EPA ID Number: WAD991281767

G. State Facility's ID

H. Facility's Phone (206) 872-8030

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. MATERIAL NOT REGULATED BY DOT		1	TT	~~1000~~ 1150	G	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a) WO 143268-01 - RUSTY WATER - TREAT (3)

K. Handling Codes for Wastes Listed Above
a)

15. Special Handling Instructions and Additional Information
Please return original manifest to: Robin Lane, Texaco, PO Box 2969, Kirkland WA 98033. Texaco job #1648400.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: THERESA GEIJER | Signature | Month 3 | Day 5 | Year 96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: GARY NICKEL | Signature | Month 3 | Day 5 | Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

GENERATOR COPY

*** FOR 24 HOUR EMERGENCY RESPONSE INFORMATION, CALL (206) 872-7859 ***
(16035)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB no. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WAD988600116 | Manifest Document No. 20904 | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Texaco
8701 Greenwood Ave. North
Seattle WA 98107

4. Generator's Phone (206)889-3253

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Burlington Environmental, Inc. | 6. US EPA ID Number: WARCOOOO1743

C. State Transporter's ID

D. Transporter's Phone (206)383-3044

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Burlington Environmental Inc
714 South Lucile Street
Seattle, WA 98108

10. US EPA ID Number: WAD000812909

G. State Facility's ID

H. Facility's Phone (206) 762-3362

	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	[illegible]		1	TM	1	G	
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
a) RFQ 143925-00 GASOLINE WITH TRACE OIL FOR ENERGY RECOVERY AF01 AF02

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Please return original manifest to: Robin Lane, Texaco, PO Box 2969, Kirkland WA 98011. Texaco Job # (to follow)

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: THERESA GEIGER | Signature: T. H. Geiger | Month 03 Day 01 Year 96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: For FEI Gerald K Dow | Signature | Month 03 Day 04 Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month Day Year

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

GENERATOR COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
- -	GENERATOR		103	00623	001

Generator and/or Consultant

Generator's Name and Billing Address: TEXACO EH&S 3700 - 188tH STREET SW LYNNWOOD, WA 98037	Generator's Phone #: 206/774-6090 Person to Contact: THERESA GEIJER FAX#: 206/771-7786	Generator's US EPA ID No. EXT. 224 Customer Account Number with TPS: 1001513
Consultant's Name and Billing Address: ERI 1921 EDMONDS DRIVE SE RENTON, WA 98055	Consultant's Phone #: 206/227-0280 Person to Contact: JOHN MEYER FAX#: 206/227-0225	 Customer Account Number with TPS:
Generation Site (Transport from): *(name & address)* TEXACO #63-232-0037 8701 GREENWOOD AVENUE SEATTLE, WA	Site Phone #: Person to Contact: FAX#:	BTEX Levels TPH Levels AVG. Levels
Designated Facility (Transport to): *(name & address)* TPS TECHNOLOGIES INC. 2800 104th STREET SOUTH TACOMA, WA 98444	Facility Phone #: 206/584-8430 Person to Contact: RENEE AVELINO FAX#: 206/584-8309	Facility Permit Numbers
Transporter Name and Mailing Address: A.L. SLEISTER & SONS	Transporter's Phone #: 206/742-4944 Person to Contact: DAN REYNOLDS FAX#: 206/742-7410	Transporter's US EPA ID No.: Transporter's DOT No.: Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			100520	38400	62120
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			31.06		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐ | Signature and date: | Month | Day | Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: CLARK J SMITH | Signature and date: | Month: 8 | Day: 6 | Year: 96

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Renee Avelino | Signature and date:

Please print or type.

TPS INVOICING COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
- - -	GENERATOR		103	00623	002

Generator and/or Consultant

Generator's Name and Billing Address: TEXACO EH&S 3700 - 188tH STREET SW LYNNWOOD, WA 98037	Generator's Phone #: 206/774-6090 Person to Contact: THERESA GEIJER FAX#: 206/771-7786	Generator's US EPA ID No. EXT. 224 Customer Account Number with TPS: 1001513
Consultant's Name and Billing Address: ERI 1921 EDMONDS DRIVE SE RENTON, WA 98055	Consultant's Phone #: 206/227-0280 Person to Contact: JOHN MEYER FAX#: 206/227-0225	 Customer Account Number with TPS:
Generation Site (Transport from): *(name & address)* TEXACO #63-232-0037 8701 GREENWOOD AVENUE SEATTLE, WA	Site Phone #: Person to Contact: FAX#:	BTEX Levels TPH Levels AVG. Levels
Designated Facility (Transport to): *(name & address)* TPS TECHNOLOGIES INC. 2800 104th STREET SOUTH TACOMA, WA 98444	Facility Phone #: 206/584-8430 Person to Contact: RENEE AVELINO FAX#: 206/584-8309	Facility Permit Numbers
Transporter Name and Mailing Address: A.L. SLEISTER & SONS	Transporter's Phone #: 206/742-4944 Person to Contact: DAN REYNOLDS FAX#: 206/742-7410	Transporter's US EPA ID No.: Transporter's DOT No.: Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			76300	38660	37640
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			18.82		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

3/6/96

XX Print or Type Name: Generator ☐ Consultant ☐ | Signature and date: | Month | Day | Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Lee Gregg | Signature and date: | Month: 3 | Day: 6 | Year: 96

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Renee Avelino | Signature and date:

Please print or type.

TPS INVOICING COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
– –	GENERATOR		103	00623	003

Generator and/or Consultant

Generator's Name and Billing Address: TEXACO EH&S 3700 – 188tH STREET SW LYNNWOOD, WA 98037	Generator's Phone #: 206/774-6090 Person to Contact: THERESA GEIJER FAX#: 206/771-7786	Generator's US EPA ID No. EXT. 224 Customer Account Number with TPS: 1001513
Consultant's Name and Billing Address: ERI 1921 EDMONDS DRIVE SE RENTON, WA 98055	Consultant's Phone #: 206/227-0280 Person to Contact: JOHN MEYER FAX#: 206/227-0225	 Customer Account Number with TPS:
Generation Site (Transport from): *(name & address)* TEXACO #63-232-0037 8701 GREENWOOD AVENUE SEATTLE, WA	Site Phone #: Person to Contact: FAX#:	BTEX Levels TPH Levels AVG. Levels
Designated Facility (Transport to): *(name & address)* TPS TECHNOLOGIES INC. 2800 104th STREET SOUTH TACOMA, WA 98444	Facility Phone #: 206/584-8430 Person to Contact: RENEE AVELINO FAX#: 206/584-8309	Facility Permit Numbers
Transporter Name and Mailing Address: A.L. SLEISTER & SONS	Transporter's Phone #: 206/742-4944 Person to Contact: DAN REYNOLDS FAX#: 206/742-7410	Transporter's US EPA ID No.: Transporter's DOT No.: Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			103120	40120	63000
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			31.50		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
David M. Sawin		3	6	86

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
Renee Avelino	

Please print or type.

TPS INVOICING COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
– –	GENERATOR		103	00623	005

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	Generator's US EPA ID No.
TEXACO EH&S 3700 – 188tH STREET SW LYNNWOOD, WA 98037	206/774-6090 Person to Contact: THERESA GEIJER FAX#: 206/771-7786	EXT. 224 Customer Account Number with TPS: 1001513
Consultant's Name and Billing Address:	**Consultant's Phone #:**	
ERI 1921 EDMONDS DRIVE SE RENTON, WA 98055	206/227-0280 Person to Contact: JOHN MEYER FAX#: 206/227-0225	 Customer Account Number with TPS:
Generation Site (Transport from): *(name & address)*	**Site Phone #:**	**BTEX Levels**
TEXACO #63-232-0037 8701 GREENWOOD AVENUE SEATTLE, WA	Person to Contact: FAX#:	TPH Levels AVG. Levels
Designated Facility (Transport to): *(name & address)*	**Facility Phone #:**	**Facility Permit Numbers**
TPS TECHNOLOGIES INC. 2800 104th STREET SOUTH TACOMA, WA 98444	206/584-8430 Person to Contact: RENEE AVELINO FAX#: 206/584-8309	
Transporter Name and Mailing Address:	**Transporter's Phone #:**	**Transporter's US EPA ID No.:**
A.L. SLEISTER & SONS	206/742-4944 Person to Contact: DAN REYNOLDS FAX#: 206/742-7410	 Transporter's DOT No.: Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			103520	39000	64520
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			32.26		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐ | Signature and date: | Month | Day | Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Kenny Palmer 27TH TM	Kenny Palmer	3	7	96

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name:	Signature and date:
Renee Avelino	

Please print or type.

TPS INVOICING COPY

5114 100,620

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
- -	GENERATOR		103	00623	004

Generator's Name and Billing Address:
TEXACO EH&S
3700 - 188tH STREET SW
LYNNWOOD, WA 98037

Generator's Phone #: 206/774-6090
Generator's US EPA ID No.: EXT. 224
Person to Contact: THERESA GEIJER
FAX#: 206/771-7786
Customer Account Number with TPS: 1001513

Consultant's Name and Billing Address:
ERI
1921 EDMONDS DRIVE SE
RENTON, WA 98055

Consultant's Phone #: 206/227-0280
Person to Contact: JOHN MEYER
FAX#: 206/227-0225
Customer Account Number with TPS:

Generation Site (Transport from): *(name & address)*
TEXACO #63-232-0037
8701 GREENWOOD AVENUE
SEATTLE, WA

Site Phone #:
Person to Contact:
FAX#:
BTEX Levels
TPH Levels
AVG. Levels

Designated Facility (Transport to): *(name & address)*
TPS TECHNOLOGIES INC.
2800 104th STREET SOUTH
TACOMA, WA 98444

Facility Phone #: 206/584-8430
Facility Permit Numbers
Person to Contact: RENEE AVELINO
FAX#: 206/584-8309

Transporter Name and Mailing Address:
A.L. SLEISTER & SONS

Transporter's Phone #: 206/742-4944
Transporter's US EPA ID No.:
Person to Contact: DAN REYNOLDS
Transporter's DOT No.:
FAX#: 206/742-7410
Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			100620	40340	60280
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			30.14		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Frank Cars 3/7/96 Generator ☐ Consultant ☐ Signature and date: [signature] Month Day Year

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Signature and date: Month Day Year

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Renee Avelino
Signature and date: [signature]

Generator and/or Consultant | Transporter | Recycling Facility

Please print or type.

TPS INVOICING COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

↓ Manifest # ↓ 006 04100

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
– –	GENERATOR		103	00623	006

Generator and/or Consultant

Generator's Name and Billing Address: TEXACO EH&S 3700 - 188tH STREET SW LYNNWOOD, WA 98037	Generator's Phone #: 206/774-6090 Person to Contact: THERESA GEIJER FAX#: 206/771-7786	Generator's US EPA ID No. EXT. 224 Customer Account Number with TPS: 1001513
Consultant's Name and Billing Address: ERI 1921 EDMONDS DRIVE SE RENTON, WA 98055	Consultant's Phone #: 206/227-0280 Person to Contact: JOHN MEYER FAX#: 206/227-0225	 Customer Account Number with TPS:
Generation Site (Transport from): *(name & address)* TEXACO #63-232-0037 8701 GREENWOOD AVENUE SEATTLE, WA	Site Phone #: Person to Contact: FAX#:	BTEX Levels TPH Levels AVG. Levels
Designated Facility (Transport to): *(name & address)* TPS TECHNOLOGIES INC. 2800 104th STREET SOUTH TACOMA, WA 98444	Facility Phone #: 206/584-8430 Person to Contact: RENEE AVELINO FAX#: 206/584-8309	Facility Permit Numbers
Transporter Name and Mailing Address: A.L. SLEISTER & SONS	Transporter's Phone #: 206/742-4944 Person to Contact: DAN REYNOLDS FAX#: 206/742-7410	Transporter's US EPA ID No.: Transporter's DOT No.: Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			84100	39500	44600
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			22.30		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Lee Gregg	Lee Gregg	3	7	96

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
Renee Avelino	

Please print or type.

TPS INVOICING COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
- -	GENERATOR		103	00623	007

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	Generator's US EPA ID No.
TEXACO EH&S 3700 - 188tH STREET SW LYNNWOOD, WA 98037	206/774-6090	EXT. 224
	Person to Contact: THERESA GEIJER	
	FAX#: 206/771-7786	Customer Account Number with TPS: 1001513

Consultant's Name and Billing Address:	Consultant's Phone #:	
ERI 1921 EDMONDS DRIVE SE RENTON, WA 98055	206/227-0280	
	Person to Contact: JOHN MEYER	
	FAX#: 206/227-0225	Customer Account Number with TPS:

Generation Site (Transport from): *(name & address)*	Site Phone #:	BTEX Levels
~~TEXACO #63 232-0037~~ 8701 GREENWOOD AVENUE SEATTLE, WA	Person to Contact:	TPH Levels
	FAX#:	AVG. Levels

Designated Facility (Transport to): *(name & address)*	Facility Phone #:	Facility Permit Numbers
TPS TECHNOLOGIES INC. 2800 104th STREET SOUTH TACOMA, WA 98444	206/584-8430	
	Person to Contact: RENEE AVELINO	
	FAX#: 206/584-8309	

Transporter Name and Mailing Address:	Transporter's Phone #:	Transporter's US EPA ID No.:
A.L. SLEISTER & SONS	206/742-4944	
	Person to Contact: DAN REYNOLDS	Transporter's DOT No.:
	FAX#: 206/742-7410	Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			88540	40340	48200
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			24:10		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year
Frank Carr		3	7	96

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
Renee Avelino	

Please print or type.

TPS INVOICING COPY

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 85790
Wmaster REBECCA
Sale Loc.
Saletype C CUSTOMER

CAUTION: HOT ASPHALT WILL BURN YOU!

TOD
RECEIVED *

CUSTOMER:

PURCHASE ORDER:
TPS TECHNOLOGIES SOILS
MATERIAL BROUGHT INTO
LAKEVIEW PIT

	JOB LOAD	JOB TONS
TOTAL	2	52.40
DAILY		

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
03/07/96			60-		S-66		
TIME 07:53:							

MIXTURE	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 PETRO CONTAM SOIL	100620	40340	30.14		

SPECIAL INSTRUCTIONS
SCALE SERVICE

60280 LB M

TAX %
PAY THIS AMOUNT

CUBIC YDS

PIT B160 REMARKS

X SCALE OPERATOR

VISA MasterCard

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # REBECCA 85817
Master
Sale Loc.
Saletype C CUSTOMER

CAUTION: HOT ASPHALT WILL BURN YOU!

STEVE STORMS
RECEIVED *

CUSTOMER:

PURCHASE ORDER:
TPS TECHNOLOGIES SOILS
MATERIAL BROUGHT INTO
LAKEVIEW PIT

	JOB LOAD	JOB TONS
TOTAL	3	84.70
DAILY		

ATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
03/07/96 09:18:			60-		S-86		

MIXTURE	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 PETRO CONTAM SOIL	84100	39500	22.30		

SPECIAL INSTRUCTIONS
SCALE SERVICE

44600 LB M

TAX %
PAY THIS AMOUNT

UBIC
OS

PIT B160 REMARKS

X SCALE OPERATOR

VISA MasterCard

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 85798
Wmaster REBECCA
Sale Loc.
Saletype C CUSTOMER

CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED *

CUSTOMER:

PURCHASE ORDER:
TPS TECHNOLOGIES SOILS
MATERIAL BROUGHT INTO
LAKEVIEW PIT

	JOB LOAD	JOB TONS
TOTAL	1	32.26
DAILY		

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
03/07/96			60-		S-116		
TIME 07:50:							

MIXTURE	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 PETRO CONTAM SOIL	103520	39000	32.26		

SPECIAL INSTRUCTIONS
SCALE SERVICE

64520 LB M

TAX %
PAY THIS AMOUNT

UBIC
/DS

PIT B160 REMARKS

X SCALE OPERATOR

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 85861
Wmaster REBECCA
Sale Loc.
Saletype C CUSTOMER

CAUTION: HOT ASPHALT WILL BURN YOU!

TOD
RECEIVED *

CUSTOMER:

PURCHASE ORDER:
TPS TECHNOLOGIES SOILS
MATERIAL BROUGHT INTO
LAKEVIEW PIT

	JOB LOAD	JOB TONS
TOTAL	4	108.80
DAILY		

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
03/07/96			60-		S-66		
TIME 11:25:							

MIXTURE	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 PETRO CONTAM SOIL	88540	40340	24.10		

SPECIAL INSTRUCTIONS
SCALE SERVICE

48200 LB 2

TAX %
PAY THIS AMOUNT

CUBIC YDS

PIT B160 REMARKS

X SCALE OPERATOR

VISA MasterCard

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NQ

Ticket # 85668
Wmaster LISA
Sale Loc.
Saletype C CUSTOMER

CAUTION: HOT ASPHALT WILL BURN YOU!

STEVE STORMS
RECEIVED *

CUSTOMER:

PURCHASE ORDER:
TPS TECHNOLOGIES
CONTAMINATED SOILS BROUGHT
INTO LAKEVIEW PIT.

	JOB LOAD	JOB TONS
TOTAL	1	18.82
DAILY		

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
03/06/96			62-		S86		
TIME 09:56:							

MIXTURE	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 PETRO CONTAM SOIL	76300	38660	18.82		

SPECIAL INSTRUCTIONS
SCALE SERVICE

37640 LB 2

TAX %
PAY THIS AMOUNT

JBIC
DS

PIT B160 REMARKS

X Lisa
SCALE OPERATOR

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 85679
Wmaster LISA
Sale Loc.
Saletype C CUSTOMER

CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED *

CUSTOMER:

PURCHASE ORDER:
TPS TECHNOLOGIES
CONTAMINATED SOILS BROUGHT
INTO LAKEVIEW PIT

	JOB LOAD	JOB TONS
TOTAL	2	64.65
DAILY		

DATE / TIME	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
03/06/96 10:34:			63-		S66T		

MIXTURE	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 CONT. SOIL FOR TPS	103120	40120	31.50		

SPECIAL INSTRUCTIONS
SCALE SERVICE

63000 LB M

TAX %
PAY THIS AMOUNT

PUBLIC WORKS

PIT B160
REMARKS

X LISA
SCALE OPERATOR

VISA MasterCard

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 85663
Wmaster LISA
Sale Loc.
Saletype C CUSTOMER

CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED *

CUSTOMER:

PURCHASE ORDER:
TPS TECHNOLOGIES
CONTAMINATED SOILS BROUGHT
INTO LAKEVIEW PIT.....

	JOB LOAD	JOB TONS
TOTAL	1	31.06
DAILY		

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
03/06/96			64-		S-116		
TIME 09:44:							

MIXTURE	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 CONT. SOIL FOR TPS	100520	38400	31.06		

SPECIAL INSTRUCTIONS
SCALE SERVICE

62120 LB 2

TAX.%
PAY THIS AMOUNT

CUBIC YDS

PIT B160 REMARKS

X Lisa SCALE OPERATOR

VISA MasterCard

ALS/JV
SCALE TICKET

Date Hauled	Year
3 6	96

A.L. SLEISTER

98500 Gross Weight

34,550 Tare Weight

63,950 Net Weight

31.98 TNS

From: MATERIAL YARD To: GREENWOOD JOB

Hauler: Truck # 66 Trailer #

Commodity: 2" SHELL ROCK

Remarks:

№ 5740

MERLINE RICK

15421 - 166th Street S.E., Snohomish, WA 98290

(206) 624-2684 - Seattle (206) 794-7814 - Everett

Truck No: 386

Customer: 271*A. L. SLEISTER CONSTR.

Job: 2774 T&M

Product: 2-5/8" CRUSHED ROCK"

TktNo: 35128051

Date: 3/4/96

10:04 AM

Gross:	88,020
Tare:	39,960
Net:	48,060
Tons:	24.030

Driver's Signature: Dave

Weighed By:

JIM FORAN COMPANY

572-2867
(Seattle) 232-6662

NO. 9706

Mailing Address
P.O. Box 1477
Mercer Island, WA 98040

Pit and Dump Site
1635 Marine View Drive
Tacoma

CUSTOMER NAME A. L. Sleister

TO JOB _____ PO/JOB # _____

☐ CLASS A PIT RUN ☐ CLASS B PIT RUN ☒ OTHER Sandy P/R

ID. NO. 116
GROSS 100520 LB
TARE 38460 LB RECALLED KEYED
NET 62120 LB
03/06/96 11:39 AM

1-911

31.18

DUMPSITE

☐ DIRT
☐ MUD
☐ MUD-SOUP
☐ ASPHALT
☐ CONCRETE UNDER 2'
☐ CONCRETE 2' TO 4'
☐ MIXED INERTS
☐ OTHER _____

TRUCKER
COMPANY NAME _____ Truck # 116

Driver sign

3-6-96
date

SCALE TICKET PRESS HARD 4 COPIES

WHITE-PIT COPY YELLOW-PIT COPY PINK-OFFICE GOLD-CUSTOMER COPY

JIM FORAN COMPANY

572-2867
(Seattle) 232-6662

NO. 9709

Mailing Address
P.O. Box 1477
Mercer Island, WA 98040

Pit and Dump Site
1635 Marine View Drive
Tacoma

CUSTOMER NAME A. L. Sleister

TO JOB _____ PO/JOB # 2774

☐ CLASS A PIT RUN ☐ CLASS B PIT RUN ☒ OTHER Sandy P/R

ID. NO. 116
GROSS 100520 LB
TARE 38460 LB RECALLED KEYED
NET 62120 LB
03/06/96 11:39 AM

1-911

31.18

DUMPSITE

☐ DIRT
☐ MUD
☐ MUD-SOUP
☐ ASPHALT
☐ CONCRETE UNDER 2'
☐ CONCRETE 2' TO 4'
☐ MIXED INERTS
☐ OTHER _____

TRUCKER
COMPANY NAME _____ Truck # 116

Driver sign

3-6-96
date

SCALE TICKET PRESS HARD 4 COPIES

WHITE-PIT COPY YELLOW-PIT COPY PINK-OFFICE GOLD-CUSTOMER COPY

JIM FORAN COMPANY
572-2867
(Seattle) 232-6662

No 9708

Mailing Address
P.O. Box 1477
Mercer Island, WA 98040

Pit and Dump Site
1635 Marine View Drive
Tacoma

CUSTOMER NAME A.L. Sleister

TO JOB _____ PO/JOB # 2657

☑ CLASS A PIT RUN ☐ CLASS B PIT RUN ☒ OTHER S-P/R

ID. NO. 66

GROSS 103380 LB
TARE 40140 LB RECALLED KEYED
NET 63240 LB

03/06/96 11:00 AM

1-22

31.62

DUMPSITE

☐ DIRT
☐ MUD
☐ MUD-SOUP
☐ ASPHALT
☐ CONCRETE UNDER 2'
☐ CONCRETE 2' TO 4'
☐ MIXED INERTS
☐ OTHER _____

TRUCKER
COMPANY NAME _____ Truck # 66

Driver sign _____ 3-6-96 date

SCALE TICKET **PRESS HARD 4 COPIES**

WHITE-PIT COPY YELLOW-PIT COPY PINK-OFFICE GOLD-CUSTOMER COPY

JIM FORAN COMPANY
572-2867
(Seattle) 232-6662

No 9710

Mailing Address
P.O. Box 1477
Mercer Island, WA 98040

Pit and Dump Site
1635 Marine View Drive
Tacoma

CUSTOMER NAME A.L. Sleister

TO JOB _____ PO/JOB # 2657

☐ CLASS A PIT RUN ☐ CLASS B PIT RUN ☒ OTHER S-P/R

ID. NO. 66

GROSS 98480 LB
TARE 40140 LB RECALLED KEYED
NET 58340 LB

03/06/96 12:11 PM

1-22

29.17

DUMPSITE

☐ DIRT
☐ MUD
☐ MUD-SOUP
☐ ASPHALT
☐ CONCRETE UNDER 2'
☐ CONCRETE 2' TO 4'
☐ MIXED INERTS
☐ OTHER _____

TRUCKER
COMPANY NAME _____ Truck # 66

Driver sign _____ 3-6-96 date

SCALE TICKET **PRESS HARD 4 COPIES**

WHITE-PIT COPY YELLOW-PIT COPY PINK-OFFICE GOLD-CUSTOMER COPY

ALS/JV
SCALE TICKET

Date Hauled 3/6/96 Year

A.L. SLEISTER — 102,100 Gross Weight
38,460 Tare Weight
63,640 Net Weight — 31.82 TN

From: MATERIAL YARD To: GREENWOOD #2774
Hauler: Truck # 116 Trailer #
Commodity: PIT-RUN
Remarks:

№ 5738

ALS/JV
SCALE TICKET

Date Hauled 3/6/96 Year

A.L SLEISTER & SONS — 103,600 Gross Weight
38,460 Tare Weight
65,140 Net Weight — 32.57 TN

From: MATERIAL YARD To: GREENWOOD #2774
Hauler: Truck # 116 Trailer # S 116
Commodity: PIT-RUN
Remarks:

№ 5737

ALS/JV
SCALE TICKET

Date Hauled 3/6/96 Year

A.L SLEISTER — 74,350 Gross Weight
38,660 Tare Weight
35,690 Net Weight — 17.85 TN

From: MATERIAL YARD To: GREENWOOD
Hauler: A.L SLEISTER Truck # 86 Trailer #
Commodity: PIT-RUN
Remarks:

№ 5739