### **UNDERGROUND STORAGE TANK DECOMMISSIONING** AND SITE ASSESSMENT

### **PETTIT OIL** 220 TUMWATER DRIVE **PORT ANGELES, WASHINGTON 98363**

**SUBMITTED TO:** PACIFIC ENVIRONMENTAL SERVICES COMPANY P.O. Box 2049 Port Townsend, Washington 98368



### PREPARED BY:

DLH ENVIRONMENTAL CONSULTING 1335 NORTH NORTHLAKE WAY **SUITE 101 SEATTLE. WASHINGTON 98103** 

**September 29 1, 1999** 

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### 1.0 PROJECT DESCRIPTION/SCOPE OF WORK

Five underground storage tanks (USTs) were removed on August 23 and 24,1999 from the Pettit Oil Tumwater truck route facility in Port Angeles, Washington. Four of the tanks were situated side-by-side and the fifth was perpendicular to the other four tanks (see site sketch in Appendix A). The tanks were of steel construction and in fair condition except Tank 2, which had a small hole in the bottom of the tank. The associated product lines and pumps were in questionable condition. All associated pumps, concrete pump island, piping, and vent lines were removed.

The tanks were decommissioned by Pacific Environmental Services Company (PESCO) located in Port Townsend, Washington 98368. Donna Hewitt of DLH Environmental Consulting was onsite during all tank removal activities (IFCI Decommissioning Supervisor #1044716-26). Laboratory analysis was conducted by CCI Laboratories, Inc located in Everett, Washington. PESCO is responsible for the disposal of the tanks (Peninsula Recycling) and the tanks were pumped, rinsed, and cleaned by Tank Services Northwest, Inc. Washington.

The following tanks were decommissioned:

 Tank 1 (T1) 2000 gal gasoline Tank 2 (T2) 2000 gal gasoline • Tank 3 (T3) 2000 gal diesel • Tank 4 (T4) 2000 gal diesel • Tank 5 (T5) 8000 gal diesel

A site sketch showing the location of the tanks is provided in Appendix A.

Washington State Department of Ecology (WDOE) requirements indicate that a site assessment be conducted during tank decommissioning activities. As part of the site assessment, associated soils were sampled to determine if contamination was present. The scope of work for this study included visual inspection of the tanks and laboratory analysis of soil samples collected from the tank excavation and stockpiled soils.

### 2.0 METHODS OF INVESTIGATION

The tanks were pumped, inerted and removed by excavating overburden soils and pulling the tanks out of the excavation with heavy equipment. Pumps, vent lines, and associated product lines were also removed.

Soil samples for hydrocarbon analysis were collected from the bottom and side walls of the tank excavation and from stockpiled soils.

Soil samples (23 total) were placed in sterilized glassware furnished by the project laboratory. In an effort to minimize the possible loss of any volatile hydrocarbons that may have been present in the soil, the samples were stored in an iced chest until delivered to the laboratory.

All EPA-established sample-handling protocols, including chain of custody procedures, were observed during the course of the project.

Samples were analyzed according to the WDOE document "Guidance for Site Checks and Site Assessments for Underground Storage Tanks" February, 1991 (Revised October, 1992).

### 3.0 RESULTS OF INVESTIGATION

### 3.1 Soil Conditions

Site soils surrounding the tanks and used as backfill consisted of a mixture of fill and native material. The fill material was mostly sand and silty sand. Native soils appeared to be mostly sands and gravel indicative of river deposits, and soils at depth contained some organic clayey material indicative of shoreline estuary deposits.

### 3.2 Groundwater

Perched groundwater was encountered at approximately 11-13 feet below ground level. Water sampling was not conducted. No sheen was noted on water entering the excavation pit or on the water that pooled in the excavation pit. A baker tank was placed onsite to capture this water. Based on existing data of the area, groundwater flow direction is towards the northeast (towards the shoreline).

### 3.3 Observation of Tank Removal Activities

Concrete, asphalt, and then all surface overburden soils were removed to expose the tanks. The tanks were removed from the ground with a backhoe and subsequently were inspected for holes. A visual inspection of the tanks indicated that they were in fair condition with the exception of one hole in the bottom of Tank 2. The tanks were subsequently cleaned, cut, (Appendix C) and placed on flatbed trailers and removed from the site. All associated product lines, vents, and pumps were also removed.

### 3.4 Hydrocarbon Testing

Soil samples were collected from stockpiled soils, excavation walls, and below each tank. The samples were analyzed for Total Petroleum Hydrocarbon (TPH) content using Method WTPH-G (for gasoline), BTEX and Lead, and Method WTPH-D for diesel. The results of laboratory analysis are presented in Tables A and B. Laboratory reports are located in Appendix B.



### **TABLE A** Soil Sample Analytical Results

| Sample #  | Sample Location                               | Analysis                         | Results                            |
|-----------|---|----------------------------------|------------------------------------|
| 82499-S1  | Stockpiled soil - T1                          | WTPH-G<br>BTEX                   | 1,400 ppm<br>BC                    |
| 82499-S2  | Stockpiled soil - T2                          | WTPH-G<br>BTEX<br>WTPH-D<br>Lead | 2,500 ppm<br>AC<br>91ppm<br>16 ppm |
| 82499-S3  | Stockpiled soil - T3                          | WTPH-D                           | 2,400 ppm                          |
| 82499-\$4 | Stockpiled soil - T4                          | WTPH-G<br>BTEX<br>WTPH-D         | 1,000 ppm<br>BC<br>11,000 ppm      |
| 82499-SW  | Southwest corner of excavation adjacent to T4 | WTPH-D                           | ND                                 |
| 82499-WW  | West wall along the ends of T3 and T4         | WTPH-D                           | ND                                 |
| 82499-NWC | Northwest corner of T3 and T4                 | WTPH-D                           | ND                                 |
| 82499-S5  | Stockpiled soil - T5                          | WTPH-D                           | 150 ppm                            |

WTPH Washington Total Petroleum Hydrocarbon

Gasoline G = D Diesel

Parts per million ppm

BTEX Benzene, Toluene, Ethyl benzene, Xylene =

BC **Below Cleanup** = AC Above Cleanup = ND None Detected

TABLE B Over Excavation Soil Sample Analytical Results

| Sample #    | Sample Location                     | Analysis                         | Results                             |
|-------------|-------------------------------------|----------------------------------|-------------------------------------|
| 82599-T5B   | T5, Bottom                          | WTPH-D                           | ND (none<br>detected)               |
| 82599-T5EW  | T5, East Wall                       | WTPH-D                           | ND                                  |
| 82599-T5SW  | T5, Southwest Corner - Wall         | WTPH-D                           | ND                                  |
| 82599-T4B   | T4, Bottom                          | WTPH-G<br>WTPH-D                 | ND<br>ND                            |
| 82599-T2T3B | T2 and T3, Bottom                   | WTPH-G<br>WTPH-D                 | ND<br>ND                            |
| 82699-T1W   | T1, West Wall                       | WTPH-G<br>BTEX<br>WTPH-D         | ND<br>ND<br>ND                      |
| 82699-T1B   | T1, Bottom                          | WTPH-G<br>BTEX<br>WTPH-D         | ND<br>ND<br>ND                      |
| 82699-Stock | Stock pile, over excavated material | WTPH-G<br>BTEX<br>WTPH-D<br>LEAD | 2600 ppm<br>AC<br>7200 ppm<br>3 ppm |
| 82699-T5EW  | T5, East Wall                       | WTPH-G<br>BTEX<br>WTPH-D         | ND<br>ND<br>ND                      |
| 82699-T1WW  | T1, West Wall                       | WTPH-G<br>BTEX<br>WTPH-D         | ND<br>BC<br>70 ppm                  |
| 82799-WPINW | West Pump Island, North Wall        | WTPH-G<br>BTEX<br>WTPH-D         | ND<br>ND<br>ND                      |
| 82799-WPIB  | West Pump Island, Bottom            | WTPH-G<br>BTEX<br>WTPH-D         | ND<br>ND<br>ND                      |
| 82799-EPIEW | East Pump Island, East Wall         | WTPH-G<br>BTEX<br>WTPH-D         | ND<br>ND<br>ND                      |
| 82799-EPINW | East Pump Island, North Wall        | WTPH-G<br>BTEX<br>WTPH-D         | 9 ppm<br>ND<br>1200 ppm             |
| 82799-EPIB  | East Pump Island, Bottom            | WTPH-G<br>BTEX<br>WTPH-D         | ND<br>ND<br>ND                      |

### 3.5 Soil Removal Activities

Based on laboratory data, soil contamination was confirmed (above Model Toxics Control Act Level A) and therefore 2,385.86 tons of soil was excavated and disposed of offsite at the Shotwells Facility (Appendix C) located in Port Angeles, Washington.

### 4.0 WASHINGTON STATE DEPARTMENT OF ECOLOGY (WDOE) REQUIREMENTS

The WDOE requires UST checklists and site assessment forms to be filled out during UST decommissioning projects. These forms have been completed and are located in Appendix D.

### **5.0 CONCLUSIONS**

Analysis of soils samples collected around and under the underground tanks indicated the presence of petroleum products (gasoline, diesel and some BTEX). The petroleum impacted soil (2,385.86 tons) was removed and properly disposed of at Shotwells Port Angeles. The tanks were properly removed by PESCO and subsequently cleaned and cut up for scrap metal by Tank Services Northwest, Inc. The tank scrap material was disposed of at Peninsula Recycling in Port Townsend.

Contamination in the form of diesel (sample # 82799-EPINW) is still present onsite. This area is located in the northeast corner of the property, north of the former pump island.

### **6.0 RECOMMENDATIONS**

Based on the results of this site assessment, the following recommendations are made:

- 1. The proper agency (WDOE) should be notified of the contamination and soil removal activities.
- 2. A copy of this report must be signed and forwarded to the WDOE at the following address:

UST SECTION
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504

- 3. A copy of this report should be filed with the local Fire Department.
- 4. The contaminated soil left on the site should be addressed by either removal or opsite (in situ) remediation.

### 7.0 LIMITATIONS

This report has been prepared for specific application to this project in a manner consistent with the level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area.

Recommendations and conclusions contained in this report are based on evaluation of technical information made available and reviewed during the course of this survey. Our work product and judgements rendered meet the standard of care of our profession at this time. No other warranty, expressed or implied, is made concerning the professional conclusions and recommendations included in this report.

DLH Environmental Consulting shall not be responsible for conditions or consequences arising from relevant facts that were withheld, concealed, or not fully disclosed at the time this evaluation was performed.

DLH Environmental Consulting has no control over the accuracy of information provided by outside consultants, contractors, and agencies and, therefore, disclaims responsibility for any inaccuracies incurred. Also, DLH Environmental Consulting accepts no responsibility for verifying compliance with government regulations for hazardous material and waste use or storage at the subject facility.

The underlying philosophy in formulating the conclusions and recommendations was to reduce uncertainties regarding the property and pertaining to environmental hazards, to the degree possible. Therefore, the results of this assessment should be viewed as reasonably accurate estimates, given the project limitations of the existing environmental condition of the property.

This report is for the exclusive use of Pacific Environmental Services Co. (PESCO). Pettit Oil, and their representatives. If new information becomes available as a result of future site work, which may include excavations, borings, studies, etc., DLH Environmental Consulting reserves the right to reevaluate the conclusions of this report and to provide amendments as required.

Submitted By:

Donna Hewit

DLH Environmental Consulting

# APPENDIX A SITE MAP SITE SKETCH SITE PHOTOGRAPHS

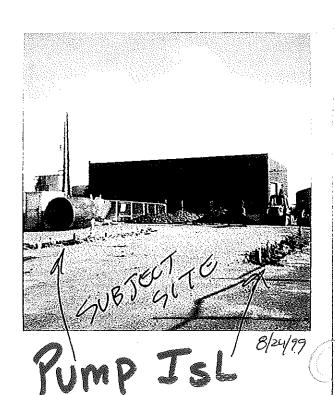
E. STH ST E. BTHST ORT ANG ЯЭТЯО¢ 12 HIGHLAND COASTHR Port Ångeles city pier - art feiro marine lab 兌 0 ЭĊ, .0PEZ ፙ ٧, エ PORT OF PORT ANGELES S PORT OF ENTRY Ĺ د Œ C 7. 4 TSHLEY  $\vdash$ POST ANGELES BOAT HAVEN K  $\supset$ NICHOLAS NEWELL RO SHANEPARK U.S. COAST GUARD & AIR STATION STEVENS MIDDLE SCHOOL OF STEPHEN "DUS THAL AREA COESTAR 配配

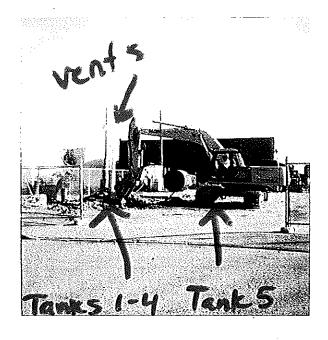
(NOT-TO-SCALE) PETTIT OIL TUMWATER ROAD FACILITY PORT ANGELES, WASHINGTON

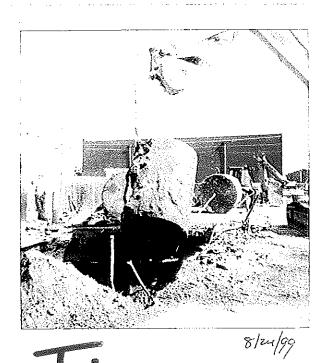
IVMWATER

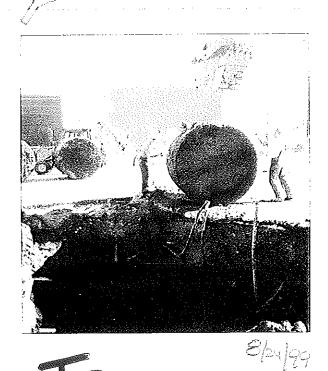
PORT PARKING LOT  $T_i$ 丁之 EKAVA TION LIMITS T3 T5 T4 TI TZ - GASOLINE T3, T4, TS - DIESEL · - Soil Sample Locations

### SUI ECT SITE PHOTOGR PHS PETTIT OIL TUMWATER ROAD FACILITY PORT ANGELES, WASHINGTON





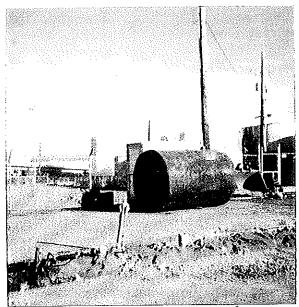




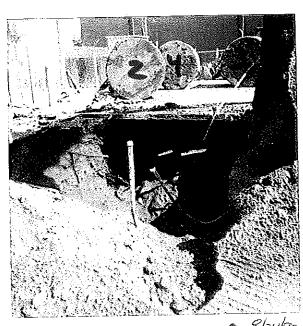
### SUI ECT SITE PHOTOGR. PHS PETTIT OIL TUMWATER ROAD FACILITY PORT ANGELES, WASHINGTON



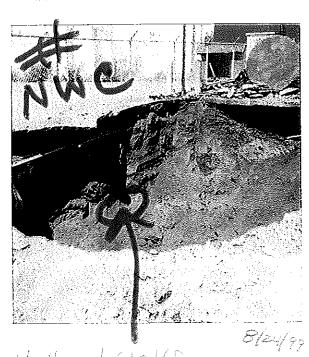
8/



Ty 8/24/99

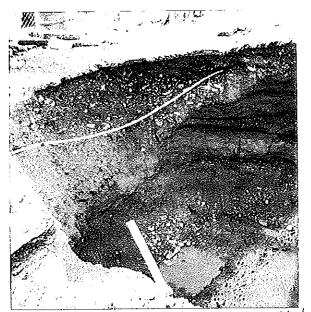


Tanks remained 8/24/99



Northwest Walls Sample # 82499- NIVE

### SUI ECT SITE PHOTOGRAPHS PETTIT OIL TUMWATER ROAD FACILITY PORT ANGELES, WASHINGTON



8/24/99

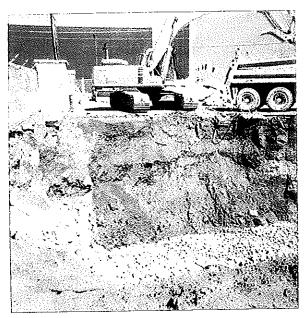


8/25/99



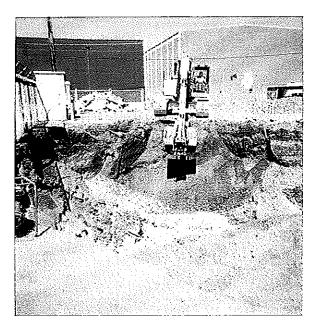


### SUE ECT SITE PHOTOGRE PHS PETTIT OIL TUMWATER ROAD FACILITY PORT ANGELES, WASHINGTON

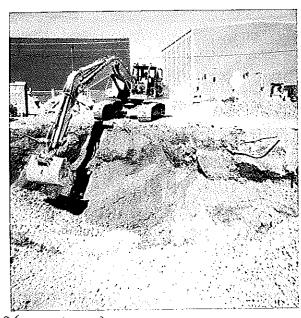


(upm)





8/24/91 (3pm)



8/26/29 (3pm)

### APPENDIX B LABORATORY REPORTS CHAIN OF CUSTODY FORMS



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

8/26/99 DATE: CCIL JOB #:

1335 N. NORTHLAKE WAY #101

908095

SEATTLE, WA 98103

CCIL SAMPLE #: DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

36850

CLIENT SAMPLE ID:

82499-S1

### DATA RESULTS

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-GASOLINE | WTPH-G   | 1400     | MG/KG   | 100MG/KG           | 8/25/99          | LAH            |
| BENZENE      | EPA-8021 | 6.5      | MG/KG   | .5MG/KG            | 8/25/99          | LAH            |
| TOLUENE      | EPA-8021 | 8.4      | MG/KG   | 40MG/KG            | 8/25/99          | LAH            |
| ETHYLBENZENE | EPA-8021 | 10       | MG/KG   | 20MG/KG            | 8/25/99          | LAH            |
| XYLENES      | EPA-8021 | 51       | MG/KG   | 20MG/KG            | 8/25/99          | LAH            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY. WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

CCIL

8/26/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #:

DATE:

908095

SEATTLE, WA 98103

CCIL SAMPLE #:

2

DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

**DONNA HEWITT** 

CLIENT PROJECT ID:

36850

CLIENT SAMPLE ID:

82499-S2

### DATA RESULTS

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-GASOLINE | WTPH-G   | 2500     | MG/KG   | 100MG/KG           | 8/25/99          | LAH            |
| BENZENE      | EPA-8021 | 6.8      | MG/KG   | .5MG/KG            | 8/25/99          | LAH            |
| TOLUENE      | EPA-8021 | 73       | MG/KG   | 40MG/KG            | 8/25/99          | LAH            |
| ETHYLBENZENE | EPA-8021 | 27       | MG/KG   | 20MG/KG            | 8/25/99          | LAH            |
| XYLENES      | EPA-8021 | 150      | MG/KG   | 20MG/KG            | 8/25/99          | LAH            |
| TPH-DIESEL   | WTPH-D   | 9100     | MG/KG   | 200MG/KG           | 8/25/99          | CMH            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE: 8/28/99

CCIL JOB #: 90809

CCIL SAMPLE #: 2

DATE RECEIVED: 8/24/99

WDOE ACCREDITATION #: C

C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

36850

CLIENT SAMPLE ID:

82499-S2

### REPORT AMENDED TO INCLUDE ADDITIONAL PARAMETER

| ANALYTE  | DA<br>METHOD   | RESULTS*                               | UNITS**                                   | ACTION<br>LEVEL***   | ANALYSIS<br>Date   | ANALYSIS<br>BY                         |
|--|--|--|---|--|--|--|
| TPH-GASOLINE BENZENE TOLUENE ETHYLBENZENE XYLENES TPH-DIESEL | WTPH-G<br>EPA-8021<br>EPA-8021<br>EPA-8021<br>EPA-8021<br>WTPH-D | 2500<br>6.8<br>73<br>27<br>150<br>9100 | MG/KG<br>MG/KG<br>MG/KG<br>MG/KG<br>MG/KG | 100mg/kg<br>,5mg/kg<br>40mg/kg<br>20mg/kg<br>20mg/kg<br>200mg/kg | 8/25/99<br>8/25/99<br>8/25/99<br>8/25/99<br>8/25/99<br>8/25/99 | LAH<br>LAH<br>LAH<br>LAH<br>LAH<br>CMH |
| ŁEAD   | EPA-6010   | 16                                     | MG/KG                                     |  | 9/28/99  | TLS                                    |

APPROVED BY:

Page 1

 <sup>&</sup>quot;NO" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>&</sup>quot; Units for all non uquid samples are reported on a DRY weight basis

<sup>&</sup>quot;" ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE: 8/

8/26/99

CCIL JOB #:

908095

CCIL SAMPLE #:

3

DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

36850

CLIENT SAMPLE ID:

82499-S3

### DATA RESULTS

| ANALYTE    | METHOD | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|------------|--------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL | WTPH-D | 2400     | MG/KG   | 200MG/KG           | 8/26/99          | СМН            |

\* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY. WEIGHT BASIS

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CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

CCIL JOB #:

DATE:

8/26/99

908095

CCIL SAMPLE #:

DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

36850

CLIENT SAMPLE ID:

82499-S4

### DATA RESULTS

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-GASOLINE | WTPH-G   | 1000     | MG/KG   | 100MG/KG           | 8/25/99          | LAH            |
| BENZENE      | EPA-8021 | ND(<1.0) | MG/KG   | .5MG/KG            | 8/25/99          | LAH            |
| TOLUENE      | EPA-8021 | ND(<1.0) | MG/KG   | 40MG/KG            | 8/25/99          | LAH            |
| ETHYLBENZENE | EPA-8021 | 1,3      | MG/KG   | 20MG/KG            | 8/25/99          | LAH            |
| XYLENES      | EPA-8021 | 7.7      | MG/KG   | 20MG/KG            | 8/25/99          | LAH            |
| TPH-DIESEL   | WTPH-D   | 11000    | MG/KG   | 200MG/KG           | 8/26/99          | CMH            |

NOTE: GASOLINE RANGE RESULT IS DUE TO DIESEL RANGE PRODUCT ELUTING INTO THE GASOLINE RANGE

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> Units for all non-liquid samples are reported on a dry weight basis

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

8/26/99

CCIL JOB #:

908095

CCIL SAMPLE #:

DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

36850

CLIENT SAMPLE ID:

82499-S5

### **DATA RESULTS**

|            |        |          |         |                    | -                |                |
|------------|--------|----------|---------|--------------------|------------------|----------------|
| ANALYTE    | METHOD | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
| TPH-DIESEL | WTPH-D | 150      | MG/KG   | 200MG/KG           | 8/25/99          | СМН            |

<sup>\* &</sup>quot;NO" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

DATE: 8/26/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #: 908095

SEATTLE, WA 98103

DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

36850

### QUALITY CONTROL RESULTS

### **SURROGATE RECOVERY**

| CCIL SAMPLE ID | ANALYTE  | SUR ID | % RECV |
|----------------|----------|--------|--------|
| 908095-01      | WTPH-G   | TFT    | *      |
| 908095-01      | EPA-8021 | TFT    | *      |
| 908095-02      | WTPH-G   | TFT    | *      |
| 908095-02      | EPA-8021 | TFT    | *      |
| 908095-02      | WTPH-D   | C25    | *      |
| 908095-03      | WTPH-D   | C25    | *      |
| 908095-04      | WTPH-G   | ाना    | *      |
| 908095-04      | EPA-8021 | TFT    | *      |
| 908095-04      | WTPH-D   | C25    | *      |
| 908095-05      | WTPH-D   | C25    | 82     |

<sup>\*</sup> INDICATES SURROGATE DILUTED OUT OF CALIBRATION RANGE



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

9/27/99

CCIL JOB #:

908095

CCIL SAMPLE #:

5

DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

Complete the second of the second second

CLIENT PROJECT ID:

36850

CLIENT SAMPLE ID:

82499-SW

DATA RESULTS

ACTION ANALYSIS ANALYSIS
LEVEL\*\*\* DATE BY

ANALYTE

METHOD

RESULTS' UNITS"

LEVEL"

TPH-DIESEL

WTPH-D

ND(<25)

MG/KG

200MG/KG

9/25/99

CMH

NOTE:

SAMPLE ANALYSIS REQUESTED OUTSIDE OF HOLD TIME

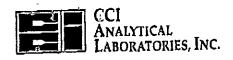
APPROVED BY: \_\_\_\_\_\_

Page 1

<sup>\* &</sup>quot;NO" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT, REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> Units for all non Liquid Samples are reported on a dry weight basis

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS QUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT:

DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

9/27/99

CCIL JOB #:

908095

CCIL SAMPLE #:

DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

36850

CLIENT SAMPLE ID:

82499-WW

The transfer of the control of the c

ANALYSIS ANALYSIS ACTION

ANALYTE

METHOD

RESULTS\*

UNITS"

LEVEL\*\*\*

DATE

BY

e Parities

TPH-DIESEL

WTPH-D

ND(<25)

MG/KG

200MG/KG

9/25/99

CMH

NOTE:

SAMPLE ANALYSIS REQUESTED OUTSIDE OF HOLD TIME

- " 'ND' INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
- " Units for all non liquid samples are reported on a dry weight basis
- "ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY:

Page 1

3229 Pine St. • Everett, WA 98201 • 425 252-2620 • FAX 425 259-6289 • Seattle 206 292-9059

\$00/0002

09/27/99 16:36 FAX



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 08103

DATE:

9/27/99

CCIL JOB #:

908095

CCIL SAMPLE #:

DATE RECEIVED:

8/24/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

CLIENT SAMPLE ID:

82499-NWC

WTPH-D

| Maryanaharakan kecama | Burrell Bereich | TA RESUL | 18 <sub>1211</sub> | range this history | <u>. A j</u> elektiko | 11 12 1 12 2 2 1 1 1 1 2 1 |
|-----------------------|-----------------|----------|--------------------|--------------------|-----------------------|----------------------------|
| ANALYTE               | METHOD          | RESULTS* | ייצדואט"           | ACTION<br>LEYEL*** | ANALYSIS<br>DATE      | analysis<br>By             |
|                       | итон.п          | ND(<25)  | MG/KG              | 200MG/K <b>G</b>   | 9/25/99               | СМН                        |

ND(<25)

MG/KG

NOTE:

TPH-DIESEL

SAMPLE ANALYSIS REQUESTED OUTSIDE OF HOLD TIME

- \* "NO" INDICATES ANALYTS NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
- Unito for all non-liquid samples are reported on a dry weight basis
- -- ACTION CLEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY Consistent application. When provided, they smould be used as cuicelines only. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY:

Page 1



DLH ENVIRONMENTAL CONSULTANTS CLIENT:

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

9/27/99 DATE:

908095 CCIL JOB #:

8/24/99 DATE RECEIVED:

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

36850

REVISED 9/27/99 TO ADD 05,06,07

### QUALITY CONTROL RESULTS

|                                 | SURROGATE RI       | ECOVERY           |          |
|---------------------------------|--------------------|-------------------|----------|
| CCIL SAMPLE ID                  | ANALYTE            | SUR ID            | % RECV   |
| 908095-01                       | WTPH- <b>G</b>     | TFT               | *        |
| 908095-01                       | EPA-8021<br>WTPH-G | गहा<br>गहा        |          |
| 908095-02<br>908095-02          | EPA-8021           | TFT               | *        |
| 908095-02                       | WTPH-D             | C25<br>C25        | •        |
| 908095 <b>-</b> 03<br>908095-04 | WTPH∙D<br>WTPH-G   | TFT               | *        |
| 908095-04                       | EPA-8021           | TFT<br>C25        | *        |
| 908095-04                       | WTPH∙D<br>WTPH-D   | C25               | 80       |
| 908095-05<br>908095 <b>-</b> 06 | WTPH-D             | <b>C25</b><br>C25 | 76<br>80 |
| 908095-07                       | Mthy.o<br>Mahay    | C25               | 82       |

<sup>\*</sup> INDICATES SURROGATE DILUTED OUT OF CALIBRATION RANGE

WTPH-D

Page 1

908095-08

| CCI Analytical Laboratories.Inc. | 3229 Pine Street | Everett, WA 98201 | Phone (425) 252-2620 | (206) 292-9059 Seattle | (425) 259-6289 Fax |
|----------------------------------|------------------|-------------------|----------------------|------------------------|--------------------|
|                                  |                  |                   |                      |                        |                    |
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| CCI Job#              |   |   |   |
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| Chain Of Custody/ | Laboratory Analysis Request |
|-------------------|-----------------------------|
| ories,Inc.        |                             |

| (425) 259-6289 Fax                                | でしたこのとのではっている。   | - 1 Date 3/24 M Page 1 Of 1            |
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| PROJECT TO: 36 850                                | CABERT TO THE STATE OF THE STAT |  |
| REPORT 10 コレ は<br>COMPANY: コレ は                   | ANALYSIS REQUESTED   | OTHER (Specify)                        |
| PROJECT: OONUN HEWITT                             |  |  |
| V. NORTH  |  | Janest C                               |
| C 604 98103                                       | sea on   |  |
| PHONE COOLS SALVIOLO FAX COCKSYST SASS            |  | □ PY                                   |
| COMPANY: PESCO                                    | 00   | /-ime                                  |
| ATTENTION: KIM REDMOND                            | ] 859  | (v<br>>≥ □                             |
| ADDRESS: P.O. GOK 2049                            | 502  <br>  | NOA VOA                                |
| Part Tow  | 8.7<br>8.1<br>9.0<br>0<br>9.0<br>0<br>9.0<br>0   | ) 19ti                                 |
| P.O. NUMBER: 36950 CCI QUOTE:                     | X<br>X<br>DH-Hc<br>0108,<br>0108,<br>0108,   | ABE!                                   |
| SAMPLE I.D. DAT                                   | 11TW<br>11TW<br>11TW<br>11TW<br>A93<br>A93<br>A93  | TCL                                    |
| 18-499-   | × × × × × × × × × × × × × × × × × × ×  |  |
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| 7. 82499- NWC                                     | X  |  |
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| 10.   |  |  |
| SPECIAL INSTRUCTIONS FAX DISMITS -10- SHOTLING IS | S & 360-457-1416 and   | Deso @ 300-379-9395-Tom Cares          |
| pany, Date, and Time?                             |  | TURNAROUND REQUESTED in Business Days* |
| 1. Relinquished By:                               | a_<br>0_   |  |
| Mary Clark  | Sandard S 3 2  | Specify Specify                        |

\* Turnaround Requests less than standard may incur Rush Charges

Fuels & Hydrocarbon Analysis 5 sandard

Received By: \_

2. Relinquished By: Received By:



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

9/2/99

CCIL JOB #:

908107

CCIL SAMPLE #: DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

**PETTIT OIL 136850** 

CLIENT SAMPLE ID:

82599-T5B 8/25/99

### DATA RESULTS

| ANALYTE    | METHOD | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>Date | ANALYSIS<br>BY |
|------------|--------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL | WTPH-D | ND(<25)  | MG/KG   | 200MG/KG           | 8/30/99          | LAH            |



<sup>\* &#</sup>x27;ND' INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT, REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY. WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

9/2/99

CCIL JOB #:

908107

CCIL SAMPLE #:

2

DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

**PETTIT OIL 136850** 

CLIENT SAMPLE ID:

82599-T5EW 8/25/99

### DATA RESULTS

ACTION ANALYSIS ANALYSIS **ANALYTE** METHOD **RESULTS\*** UNITS\*\* LEVEL\*\*\* DATE BY TPH-DIESEL WTPH-D ND(<25) MG/KG 200MG/KG 8/30/99 LAH

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>&</sup>quot; UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

9/2/99

CCIL JOB #: CCIL SAMPLE #:

908107

DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

**PETTIT OIL 136850** 

CLIENT SAMPLE ID:

82599-T5SW 8/25/99

### DATA RESULTS

| ANALYTE    | METHOD | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|------------|--------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL | WTPH-D | ND(<25)  | MG/KG   | 200MG/KG           | 8/30/99          | LAH            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

9/2/99

CCIL JOB #:

908107

CCIL SAMPLE #:

4

DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

**PETTIT OIL 136850** 

CLIENT SAMPLE ID:

82599-T4B 8/25/99

### DATA RESULTS

| ANALYTE      | METHOD | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>Date | ANALYSIS<br>BY |
|--------------|--------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D | ND(<25)  | MG/KG   | 200MG/KG           | 8/30/99          | LAH            |
| TPH-GASOLINE | WTPH-G | ND(<5)   | MG/KG   | 100MG/KG           | 9/1/99           | LAH            |

<sup>\* &</sup>quot;NO" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

9/2/99

CCIL JOB #:

908107

CCIL SAMPLE #: DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

**CLIENT PROJECT ID:** 

**PETTIT OIL 136850** 

CLIENT SAMPLE ID:

82599-T2T3B 8/25/99

### DATA RESULTS

| ANALYTE      | METHOD | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|--------------|--------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D | ND(<25)  | MG/KG   | 200MG/KG           | 8/30/99          | LAH            |
| TPH-GASOLINE | WTPH-G | ND(<5)   | MG/KG   | 100MG/KG           | 9/2/99           | LAH            |

<sup>\* \*</sup>ND\* INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

DATE:

9/2/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #:

908107

SEATTLE, WA 98103

DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

**PETTIT OIL 136850** 

### QUALITY CONTROL RESULTS

### SURROGATE RECOVERY

| CCIL SAMPLE ID | ANALYTE | SUR ID | % RECV |  |  |
|----------------|---------|--------|--------|--|--|
| 908107-01      | WTPH-D  | C25    | 90     |  |  |
| 908107-02      | WTPH-D  | C25    | 97     |  |  |
| 908107-03      | WTPH-D  | C25    | 87     |  |  |
| 908107-04      | WTPH-D  | C25    | 91     |  |  |
| 908107-04      | WTPH-G  | TFT    | 66     |  |  |
| 908107-05      | WTPH-D  | C25    | 96     |  |  |
| 908107-05      | WTPH-G  | TFT    | 55     |  |  |



CCI Analytical Laboratories, Inc.

## Chain Of Custody/

| CCI Job#    |
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| (Laboratory |
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| 2. Relinquished By:               | mpany_Date_and_Time); CML 5.26 % 10%   | SPECIAL INSTRUCTIONS FAX ROSALTS TO PESCO | 10. | 9.  | © | 7. | o. | 0  | 4. B2599-THB | 3. 82599-T5SW | 2. 82599-TEEW | 1.82599-T5B 8/25/99 So:1 | PO, NUMBER: 2650 CCI QUOTE:  SAMPLE I.D. DATE TIME TYPE LAB# | PORT                           | PO             | 7             | PESCO  | 123 FAX: | SATTIE, WA 98103 | ADDRESS 1305 N. NORTHAR DAY #101 | MANAGER DONLA HOW TO | REPORT TO CL 14    | PROJECT 10: PR 4:4 OIL 130850 | (206) 292-9059 Seame<br>(425) 259-6289 Fax |                        |
|-----------------------------------|--|---|-----|-----|---|----|----|----|--------------|---------------|---------------|--------------------------|--|--------------------------------|----------------|---------------|--------|----------|------------------|----------------------------------|----------------------|--------------------|-------------------------------|--|------------------------|
| c.                                | 01:01  | 360.                                      | į   | \   |   |    |    | XX | *            | *             | *             | *                        | WTPH-<br>WTPH-<br>WTPH-<br>BTEX                              | 8 🗆 C                          | 015 M          | OĐIFII        | ED [   | )        |                  | <u> </u>                         |                      | ANALYSIS REQUESTED | L <b> </b>                    |  | Laboratory Analysis Re |
| Fuels & Hyd                       | Organic, Meta  | 379-939                                   | 13  | 1 4 |   |    |    |    |              |               |               |                          | EPA 80 EPA 80  | 20 🗌 (<br>10 🗎 (               | 601 🗆<br>624 🗆 | 8260          | • □    |          |                  |                                  |                      | JESTED             |                               |  | nalysis Requ           |
| ydrocarbon Analysis  3 1 Same Day | TURNAROUND REQUESTED in Business Days* Organic, Metals & Inorganic Analysis -  OTHER  To Same Specify: | 5   |     |     |   |    |    |    |              |               |               |                          | EPA 82<br>EPA 80<br>Metals<br>Metals                         | 80 🗌 6<br>Priority<br>Other (1 | Polluta        | PCB<br>ant [] | RCF    | ra 🗌     | TAL[             |                                  |                      |                    |                               |  | quest                  |
| •                                 | EQUESTED in /sis*- Specify:  |   |     |     |   |    |    |    |              |               |               |                          | TCLP   | eta's (                        | I VOAI         | ∐ Ser         | mi-Vol | <u></u>  | est 📙            | Herb                             |                      | OTHER (Specify)    |                               | 25/8                                       |                        |
| i                                 | Business Days* OTHER:  |   |     |     |   |    |    |    |              |               |               |                          |  |                                |                |               |        |          |                  |                                  |                      |                    | aye                           | Dage                                       | :                      |
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\* Turnaround Requests less than standard may incur Rush Charges.



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

DATE: 9/2/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #: 908109

SEATTLE, WA 98103

CCIL SAMPLE #:

1

DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID: CLIENT SAMPLE ID:

PETTIT OIL 36850

82699-T1W 8/26/99

### **DATA RESULTS**

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D   | ND(<25)  | MG/KG   | 200MG/KG           | 8/31/99          | СМН            |
| TPH-GASOLINE | WTPH-G   | ND(<5)   | MG/KG   | 100MG/KG           | 9/2/99           | LAH            |
| BENZENE      | EPA-8021 | ND(<0.1) | MG/KG   | .5MG/KG            | 9/2/99           | LAH            |
| TOLUENE      | EPA-8021 | ND(<0.1) | MG/KG   | 40MG/KG            | 9/2/99           | LAH            |
| ETHYLBENZENE | EPA-8021 | ND(<0.1) | MG/KG   | 20MG/KG            | 9/2/99           | LAH            |
| XYLENES      | EPA-8021 | ND(<0.3) | MG/KG   | 20MG/KG            | 9/2/99           | LAH            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS DATE:

9/2/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #:

908109

SEATTLE, WA 98103

CCIL SAMPLE #:

DATE RECEIVED: WDOE ACCREDITATION #: 8/26/99 C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

PETTIT OIL 36850

CLIENT SAMPLE ID:

82699-T1B 8/26/99

## **DATA RESULTS**

| ANALYTE                      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|------------------------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL                   | WTPH-D   | ND(<25)  | MG/KG   | 200MG/KG           | 8/31/99          | СМН            |
| TPH-GASOLINE                 | WTPH-G   | ND(<5)   | MG/KG   | 100MG/KG           | 9/2/99           | LAH            |
| BENZENE                      | EPA-8021 | ND(<0.1) | MG/KG   | .5MG/KG            | 9/2/99           | LAH            |
| TOLUENE ETHYLBENZENE XYLENES | EPA-8021 | ND(<0.1) | MG/KG   | 40MG/KG            | 9/2/99           | LAH            |
|                              | EPA-8021 | ND(<0.1) | MG/KG   | 20MG/KG            | 9/2/99           | LAH            |
|                              | EPA-8021 | ND(<0.3) | MG/KG   | 20MG/KG            | 9/2/99           | LAH            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> Units for all non Liquid samples are reported on a DRY-Weight Basis

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAXING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE: 9, CCIL JOB #: 90

9/2/99

CCIL SAMPLE #:

908109

DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

**DONNA HEWITT** 

CLIENT PROJECT ID:

PETTIT OIL 36850

CLIENT SAMPLE ID:

82699-STOCK 8/26/99

## **DATA RESULTS**

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D   | 7200     | MG/KG   | 200MG/KG           | 8/31/99          | СМН            |
| TPH-GASOLINE | WTPH-G   | 2600     | MG/KG   | 100MG/KG           | 9/2/99           | LAH            |
| BENZENE      | EPA-8021 | 8.9      | MG/KG   | .5MG/KG            | 9/2/99           | LAH            |
| TOLUENE      | EPA-8021 | 67       | MG/KG   | 40MG/KG            | 9/2/99           | LAH            |
| ETHYLBENZENE | EPA-8021 | 11       | MG/KG   | 20MG/KG            | 9/2/99           | LAH            |
| XYLENES      | EPA-8021 | 60       | MG/KG   | 20MG/KG            | 9/2/99           | LAH            |
| LEAD         | EPA-6010 | 3        | MG/KG   |                    | 8/30/99          | SJT            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY. WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

9/2/99 DATE: 1335 N. NORTHLAKE WAY #101 CCIL JOB #: 908109

SEATTLE, WA 98103 CCIL SAMPLE #:

> DATE RECEIVED: 8/26/99

WDOE ACCREDITATION #: C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

CLIENT SAMPLE ID:

PETTIT OIL 36850 82699-T5EW 8/26/99

**DATA RESULTS** 

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE   | ANALYSIS<br>By |
|--------------|----------|----------|---------|--------------------|--------------------|----------------|
| TPH-DIESEL   | WTPH-D   | ND(<25)  | MG/KG   | 200MG/KG           | 8/31/99            | СМН            |
| TPH-GASOLINE | WTPH-G   | ND(<5)   | MG/KG   | 100MG/KG           | 9/2/99             | LAH            |
| BENZENE      | EPA-8021 | ND(<0.1) | MG/KG   | .5MG/KG            | 9/2/99             | LAH            |
| TOLUENE      | EPA-8021 | ND(<0.1) | MG/KG   | 40MG/KG            | 9/2/99             | LAH            |
| ETHYLBENZENE | EPA-8021 | ND(<0.1) | MG/KG   | 20MG/KG            | 9/2/ <del>99</del> | LAH            |
| XYLENES      | EPA-8021 | ND(<0.3) | MG/KG   | 20MG/KG            | 9/2/99             | LAH            |

<sup>\* &</sup>quot;NO" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAXING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

DATE: 9

9/2/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #:

908109

SEATTLE, WA 98103

CCIL SAMPLE #:

5

DATE RECEIVED: WDOE ACCREDITATION #:

8/26/99 C142

\_\_\_

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID: CLIENT SAMPLE ID:

PETTIT OIL 36850

82699-T1WW 8/26/99

## **DATA RESULTS**

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D   | 70       | MG/KG   | 200MG/KG           | 8/31/99          | CMH            |
| TPH-GASOLINE | WTPH-G   | ND(<5)   | MG/KG   | 100MG/KG           | 9/2/99           | LAH            |
| BENZENE      | EPA-8021 | 8.8      | MG/KG   | .5MG/KG            | 9/2/99           | LAH            |
| TOLUENE      | EPA-8021 | ND(<0.1) | MG/KG   | 40MG/KG            | 9/2/99           | LAH            |
| ETHYLBENZENE | EPA-8021 | ND(<0.1) | MG/KG   | 20MG/KG            | 9/2/99           | LAH            |
| XYLENES      | EPA-8021 | ND(<0.3) | MG/KG   | 20MG/KG            | 9/2/99           | LAH            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAXING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

DATE: 9/2/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #: 908109

SEATTLE, WA 98103

DATE RECEIVED:

8/26/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

**PETTIT OIL 136850** 

# QUALITY CONTROL RESULTS

| SURROGATE RECOVERY |          |            |        |  |  |  |
|--------------------|----------|------------|--------|--|--|--|
| CCIL SAMPLE ID     | ANALYTE  | SUR ID     | % RECV |  |  |  |
| 908109-01          | WTPH-G   | TFT        | 73     |  |  |  |
| 908109-01          | EPA-8021 | TFT        | 97     |  |  |  |
| 908109-01          | WTPH-D   | C25        | 84     |  |  |  |
| 908109-02          | WTPH-G   | TFT        | 55     |  |  |  |
| 908109-02          | EPA-8021 | TFT        | 72     |  |  |  |
| 908109-02          | WTPH-D   | C25        | 91     |  |  |  |
| 908109-03          | WTPH-G   | ाना        | *      |  |  |  |
| 908109-03          | EPA-8021 | TFT        | *      |  |  |  |
| 908109-03          | WTPH-D   | C25        | *      |  |  |  |
| 908109-04          | WTPH-G   | TFT        | 63     |  |  |  |
| 908109-04          | EPA-8021 | ाना        | 82     |  |  |  |
| 908109-04          | WTPH-D   | C25        | 85     |  |  |  |
| 908109-05          | WTPH-G   | ाना        | 69     |  |  |  |
| 908109-05          | EPA-8021 | <b>ाना</b> | 92     |  |  |  |
| 908109-05          | WTPH-D   | C25        | 77     |  |  |  |

<sup>\*</sup> INDICATES SURROGATE DILUTED OUT OF CALIBRATION RANGE

CCI Analytical Laboratories,Inc. 3229 Pine Street
Everett, WA 98201
Phone (425) 252-2620
(206) 292-9059 Seattle (425) 259-6289 Fax

# Laboratory Analysis Request Chain Of Custody/

(Laboratory Use Only)

CCI Job#

| (25) 259-6289 Fax                                | 1 2 kg / kg -  |  |
|--|--|--|
| 36850-86440                                      | Date 7/7/1 rage Or   |  |
| DIH Envionmental Consulting                      | ANALYSIS REQUESTED OTHER (Specify)   |  |
| MANAGER: LOCOLA AS IN                            |  |  |
| ADDRESS 1935 N. NOCHERON SAY #10                 | (  |  |
| Scattle, With 98103                              | TAL<br>T   | 13   |
| 260- 637 3123 FAX 201 - 545 8339                 | 6q   |  |
|  | Outy [   | OND  |
| mon.d  | 7 (/<br>7 (/<br>1  <br>1  <br>1  <br>1  <br>1  |  |
| PO BOX 2049                                      | 505  | _  |
| Port Townsond, was 98368                         |  | AI 03  |
| SES CCI QUOTE:                                   | XX<br>PH-He<br>DS08,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108,<br>D108, |  |
| SAMPLE I.D. DATE TIME TYPE LAB# \$               | WTF<br>BTE<br>WHEEPA<br>MEEPA<br>Meeta<br>Meeta<br>Meeta<br>TCL  |  |
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| SPECIAL INSTRUCTIONS FAX TO: PESCO - 360-379-939 | 15 & SHOTURIS @ 360-457-1416   |  |
| SIGNATURES (Name, Company, Date, and Time):      | TURNAROUND REQUESTED in Business Days*   |  |
| 66/22/0 HXT                                      | 그것 Organic, Metals & Inorganic Analysis OTHER:   |  |
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\* Turnaround Renuests less than standard may Incur Rush Chai

Fuels & Hydrocarbon Analysis

2. Relinquished By: Received By: \_

Received By:

10 5 Standard



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

DATE: 9/9/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #: 9081

908123

SEATTLE, WA 98103

CCIL SAMPLE #:

T . . . . .

DATE RECEIVED:

8/31/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

PETTIT OIL / TUMWATER HWY

CLIENT SAMPLE ID:

82799-WPINW 8/26/99

## DATA RESULTS

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D   | ND(<25)  | MG/KG   | 200MG/KG           | 9/2/99           | СМН            |
| TPH-GASOLINE | WTPH-G   | ND(<5)   | MG/KG   | 100MG/KG           | 9/9/99           | LAH            |
| BENZENE      | EPA-8021 | ND(<0.1) | MG/KG   | .5MG/KG            | 9/9/99           | LAH            |
| TOLUENE      | EPA-8021 | 1.3      | MG/KG   | 40MG/KG            | 9/9/99           | LAH            |
| ETHYLBENZENE | EPA-8021 | ND(<0.1) | MG/KG   | 20MG/KG            | 9/9/99           | LAH            |
| XYLENES      | EPA-8021 | ND(<0.3) | MG/KG   | 20MG/KG            | 9/9/99           | LAH            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAXING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

DATE: 9/9/99

1335 N. NORTHLAKE WAY #101

CCIL JOB #: 9

908123

SEATTLE, WA 98103

CCIL SAMPLE #:

2

DATE RECEIVED:

8/31/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

PETTIT OIL / TUMWATER HWY

CLIENT SAMPLE ID:

82699-WPIB 8/26/99

# DATA RESULTS

| ANALYTE            | METHOD               | RESULTS*        | UNITS**        | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|--------------------|----------------------|-----------------|----------------|--------------------|------------------|----------------|
| TPH-DIESEL         | WTPH-D               | ND(<25)         | MG/KG          | 200MG/KG           | 9/2/99           | СМН            |
| TPH-GASOLINE       | WTPH-G               | ND(<5)          | MG/KG          | 100MG/KG           | 9/9/99           | LAH            |
| BENZENE<br>TOLUENE | EPA-8021<br>EPA-8021 | 0.1<br>ND(<0.1) | MG/KG<br>MG/KG | .5MG/KG<br>40MG/KG | 9/9/99<br>9/9/99 | LAH<br>LAH     |
| ETHYLBENZENE       | EPA-8021             | ND(<0.1)        | MG/KG          | 20MG/KG            | 9/9/99           | LAH            |
| XYLENES            | EPA-8021             | ND(<0.3)        | MG/KG          | 20MG/KG            | 9/9/99           | LAH            |

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101 CCIL JOB #:

SEATTLE, WA 98103

CCIL SAMPLE #:

DATE:

3

DATE RECEIVED:

8/31/99

WDOE ACCREDITATION #:

C142

9/9/99

908123

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

PETTIT OIL / TUMWATER HWY

CLIENT SAMPLE ID:

**EAST PUMP I. E. WALL 8/27/99** 

## **DATA RESULTS**

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D   | ND(<25)  | MG/KG   | 200MG/KG           | 9/2/99           | СМН            |
| TPH-GASOLINE | WTPH-G   | ND(<5)   | MG/KG   | 100MG/KG           | 9/9/99           | LAH            |
| BENZENE      | EPA-8021 | ND(<0.1) | MG/KG   | .5MG/KG            | 9/9/99           | LAH            |
| TOLUENE      | EPA-8021 | ND(<0.1) | MG/KG   | 40MG/KG            | 9/9/99           | LAH            |
| ETHYLBENZENE | EPA-8021 | ND(<0.1) | MG/KG   | 20MG/KG            | 9/9/99           | LAH            |
| XYLENES      | EPA-8021 | ND(<0.3) | MG/KG   | 20MG/KG            | 9/9/99           | LAH            |

<sup>\* &</sup>quot;NO" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

CCIL JOB #: CCIL SAMPLE #:

DATE:

9/9/99 908123

DATE RECEIVED:

8/31/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID: CLIENT SAMPLE ID:

PETTIT OIL / TUMWATER HWY

EAST PUMP I. N. WALL 8/27/99

#### DATA RESULTS

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D   | 1200     | MG/KG   | 200MG/KG           | 9/3/99           | СМН            |
| TPH-GASOLINE | WTPH-G   | 9        | MG/KG   | 100MG/KG           | 9/9/99           | LAH            |
| BENZENE      | EPA-8021 | ND(<0.1) | MG/KG   | .5MG/KG            | 9/9/99           | LAH            |
| TOLUENE      | EPA-8021 | ND(<0.1) | MG/KG   | 40MG/KG            | 9/9/99           | LAH            |
| ETHYLBENZENE | EPA-8021 | ND(<0.1) | MG/KG   | 20MG/KG            | 9/9/99           | LAH            |
| XYLENES      | EPA-8021 | ND(<0.3) | MG/KG   | 20MG/KG            | 9/9/99           | LAH            |

NOTE: GASOLINE RANGE RESULT IS DUE TO DIESEL RANGE PRODUCT ELUTING INTO THE GASOLINE RANGE

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> Units for all non liquid samples are reported on a DRY Weight Basis

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

1335 N. NORTHLAKE WAY #101

SEATTLE, WA 98103

DATE:

9/9/99

CCIL JOB #:

908123

CCIL SAMPLE #:

DATE RECEIVED:

8/31/99

WDOE ACCREDITATION #:

C142

CLIENT CONTACT:

DONNA HEWITT

CLIENT PROJECT ID:

PETTIT OIL / TUMWATER HWY

CLIENT SAMPLE ID:

EAST PUMP BOTTOM 8/27/99

## DATA RESULTS

| ANALYTE      | METHOD   | RESULTS* | UNITS** | ACTION<br>LEVEL*** | ANALYSIS<br>DATE | ANALYSIS<br>By |
|--------------|----------|----------|---------|--------------------|------------------|----------------|
| TPH-DIESEL   | WTPH-D   | ND(<25)  | MG/KG   | 200MG/KG           | 9/2/99           | CMH            |
| TPH-GASOLINE | WTPH-G   | ND(<5)   | MG/KG   | 100MG/KG           | 9/9/99           | LAH            |
| BENZENE      | EPA-8021 | ND(<0.1) | MG/KG   | .5MG/KG            | 9/9/99           | LAH            |
| TOLUENE      | EPA-8021 | ND(<0.1) | MG/KG   | 40MG/KG            | 9/9/99           | LAH            |
| ETHYLBENZENE | EPA-8021 | ND(<0.1) | MG/KG   | 20MG/KG            | 9/9/99           | LAH            |
| XYLENES      | EPA-8021 | ND(<0.3) | MG/KG   | 20MG/KG            | 9/9/99           | LAH            |

NOTE: GASOLINE RANGE RESULT IS DUE TO DIESEL RANGE PRODUCT ELUTING INTO THE GASOLINE RANGE

<sup>\* &</sup>quot;ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

<sup>\*\*\*</sup> ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA



CLIENT: DLH ENVIRONMENTAL CONSULTANTS

DATE: 9/9/99 1335 N. NORTHLAKE WAY #101 CCIL JOB #: 908123

SEATTLE, WA 98103

DATE RECEIVED: 8/31/99

WDOE ACCREDITATION #: C142

CLIENT CONTACT: DONNA HEWITT

CLIENT PROJECT ID:

PETTIT OIL / TUMWATER HWY

# QUALITY CONTROL RESULTS

| SURROGATE RECOVERY |          |        |        |  |  |  |
|--------------------|----------|--------|--------|--|--|--|
| CCIL SAMPLE ID     | ANALYTE  | SUR ID | % RECV |  |  |  |
| 908123-01          | WTPH-G   | TFT    | 72     |  |  |  |
| 908123-01          | EPA-8021 | ाना    | 102    |  |  |  |
| 908123-01          | WTPH-D   | C25    | 75     |  |  |  |
| 908123-02          | WTPH-G   | ाना    | 69     |  |  |  |
| 908123-02          | EPA-8021 | TFT    | 100    |  |  |  |
| 908123-02          | WTPH-D   | C25    | 96     |  |  |  |
| 908123-03          | WTPH-G   | ाना    | 58     |  |  |  |
| 908123-03          | EPA-8021 | ाना    | 86     |  |  |  |
| 908123-03          | WTPH-D   | C25    | 91     |  |  |  |
| 908123-04          | WTPH-G   | TFT    | 61     |  |  |  |
| 908123-04          | EPA-8021 | ΤFT    | 89     |  |  |  |
| 908123-04          | WTPH-D   | C25    | *      |  |  |  |
| 908123-05          | WTPH-G   | TFT    | 67     |  |  |  |
| 908123-05          | EPA-8021 | TFT    | 95     |  |  |  |
| 908123-05          | WTPH-D   | C25    | 76     |  |  |  |

<sup>\*</sup> INDICATES SURROGATE DILUTED OUT OF CALIBRATION RANGE

Chain Of Custody /

| 1                     | '- '- |
|-----------------------|-------|
| (Laboratory USE Othy) | 8/23  |
| CCI Job#              | 2     |

ō

Page\_

Date

Laboratory Analysis Request

|                   | OTHER (Specify) |                     | Pest only [ | ∃ AR⊃Y | Seminary         | Cl 828 | ) 6254<br>) 626<br>) 626 |                | 8 A9<br>8 A9<br>8 A9<br>8 8 49<br>8 8 49<br>9 43<br>9 43 | 3 3         |                      |               |  |              |                     |                    |    | 1000 |  |    | CHOTLEWS & 360-457-1416 | CIVITODANA               | Organic, Metals & Inorganic Analysis       | 10 S 3 2 1 am Specify: |
|-------------------|-----------------|---------------------|-------------|--------|------------------|--------|--------------------------|----------------|--|-------------|----------------------|---------------|--|--------------|---------------------|--------------------|----|------|--|----|-------------------------|--------------------------|--|------------------------|
|                   | STED            |                     |             |        | •                | ח      |                          | 010H<br>□ 0\$1 |  | -1          |                      |               |  | _            | -                   |                    | -  | an a |  |    | 3                       |                          | Org  | Ę                      |
|                   | BEOMESTED       |                     |             |        |                  |        |                          | 1.814          | .EX  | -           | بعو                  | 22            | ۔ير  | ~            | 52                  | . 6                | *  | - 4  |  |    | -<br>-                  | \                        |  |                        |
|                   | ANIAIVSIS       |                     |             | Π      | 031:             | MODII  | 2108                     |                | ·HJ.   | W           | ××                   | ××            | ×  | -            | 4,                  | ر<br>د             |    | +    |  |    | - 02                    | 2                        |  | Or.K                   |
|                   | \ \frac{1}{2}   | (1)                 |             |        |                  |        |                          |                | ·Hd  | LAB#        | <u>^</u>             |               |  | -            |                     |                    |    |      |  |    | 010                     | 20-211                   |  | 0                      |
| ຼ                 |                 |                     |             |        |                  |        |                          | 87536          |  | TYPE        | 4                    | U             | V  | 3 (          | 1                   | S                  |    |      |  |    |                         | ۱ þ                      |  | 8/18                   |
| 圣云                |                 |                     |             |        |                  |        |                          | 43             | ü  | TIME        | 414                  | 4 m           | INA  |              | <b>\( \)</b>        | 3                  |    | }    |  |    | -                       | 252                      | Time):                                     |                        |
| Turne parter They |                 | 25                  |             | FAX:   |                  | Qu     | 49                       | TOW N CENOR WA | CCI OUOTE  | DATE        |                      |               | <del>                                     </del> | _            | ٦,                  |                    |    |      |  |    | -                       | \$ P                     | ry, Date and                               | nuon                   |
| 7 16 7-11 6       |                 | PROVECT DOUGH UP IN | AOCHESS.    | PHCNE  | INVOICE TO PESCO | 1      | P.O BOX 2049             | Por            | A. A.  | SAMPLE I.D. | 15-8 1.1/2 TGL 49770 | 87199 1. PT P | CAEII-WILD                                       | SEAST PURPLE | 4 EAST Row PT. NWOW | SFAST PUMP ROTTORY | 6. |      |  | 9. | 10.                     | SPECIAL INSTRUCTIONS FAX | SIGNATURES (Name Company, Date, and Time): | 1. Relinquished By:    |

Everett, WA 98201 Phone (425) 252-2620 (206) 292-9059 Seattle (425) 259-6289 Fax

CCI Analytical Laboratories.Inc. 3229 Pine Street

2. Relinquished By: Received By: \_

Received By:

" furningund requests itss than standard may incur Aush Chan

Hydrocarbon Analysis

840

# APPENDIX C

# UNDERGROUND STORAGE TANK **CLEANING AND DISPOSAL** CERTIFICATE

# TANK SERVICES NORTHWEST, INC.

Specialists in Solving Tank and Fuel Problems

Remediation . Decommissioning - Installation . Tank & Fuel Cleaning . Sile Assessment . IFCI Certified

20360 Paradise Lake Road, Woodinville, WA 98072 Phone (425) 788-8418 • Toll Free 1-800-532-5902 FAX (425) 788-7086

# UNDERGROUND STORAGE TANK CLEANING & DISPOSAL CERTIFICATION

DATE:

August 25, 1999

CUSTOMER:

Pacific Environmental Services Inc.

P.O. Box 2049

Port Townsend, WA 98368

TANK ADDRESS:

Pettit Oil

220 Tumwater Drive

Port Angeles, WA

(Pacific Environmental Job #36850)

CONTENTS:

Two (2)

2,000-gallon tanks

Gasoline

Two (2)

2,000-gallon tanks

Diesel

One (1)

8,000-gallon tank

Diesel

CERTIFICATION:

Tank Services Northwest, Inc. certifies that on the above date the above five tanks were properly pumped out, inerted, cut open, manually cleaned and properly disposed of by recycling in accordance with Uniform Fire Code regulations.

TANK SERVICES NORTHWEST, INC.

Patricia R. Haglin

President

DL.

September 29, 1999

To: DLH Environmental Consulting From: Shotwells Inc.

To Whom it May Concern,

This letter serves as a confirmation that contaminated soil was transferred from the Pettit Oil Tumwater property to the Shotwells facility in Port Angeles for the intent of proper disposal.

Approximately 2 thousand tons of contaminated (diesel and gasoline) soil was transferred.

Jonathan Shotwell

Owner, Shotwells Inc.

Gonathan Shotwell

# FIELDS SHOTWELL CORPORATION SPECIALISTS IN THERMAL TREATMENT AND RECYCLING OF CONTAMINATED SOIL

P. O. Box 2081 Port Angeles, Washington 98362 (360) 457-1417 Facsimile (360) 457-1416

# MASTER SERVICE AGREEMENT THERMAL TREATMENT AND RECYCLING

| 1.    | Purpose of Agreement.            | PETTIT OIL COMPANY                   | ("Generator") and               |
|-------|----------------------------------|--------------------------------------|---------------------------------|
| FIEI  | LDS SHOTWELL CORPORAT            | ION ("FSC") (together, the "Parti    | ies") enter into this Agreement |
| to es | stablish terms for the acceptant | ce and treatment of Generator's      | petroleum contaminated soil     |
| ("PC  | S") at the FSC thermal treatmen  | nt and recycling facility ("Facility | ("). This Agreement provides    |
| gene  | ral terms for processing Genera  | ator's PCS at the Facility. Addition | ional terms shall be provided   |
| (for  | example, specific fees, shipmen  | it dates and testing requirements)   | ) in supplemental documents     |
| Cert  | fications and PCS Acceptance T   | lickets, which become part of this   | Agreement when completed.       |

# 2. Generator's Responsibilities.

- a. Certification of Acceptable PCS. Generator shall tender only Acceptable PCS to FSC. "Acceptable PCS" are petroleum contaminated soils which are neither Dangerous nor Extremely Hazardous wastes under RCW 70.105 or WAC 173-303, and which meet the criteria specified on the FSC Certification form provided to the Generator. Generator shall certify that its PCS are Acceptable PCS by completing the Certification form and submitting it to FSC.
- b. Acceptance and PCS Acceptance Tickets. After reviewing Generator's completed Certification form, FSC shall issue a PCS Acceptance Ticket authorizing Generator to deliver a specified amount of PCS for treatment. Generator shall: (1) sign the Acceptance Ticket; (2) return the original to FSC; (3) retain a copy; and (4) deliver a copy with each shipment of PCS delivered to the Facility.
- c. Fees and Payments For services provided under this Agreement, Generator shall pay FSC a per-unit price for its services. This Agreement contemplates that prices for treatment will vary according to results of tests performed on these batches prior to acceptance by FSC. Accordingly, after reviewing the testing results contained in the Certification forms submitted by Generator, FSC shall offer to Generator, in the space provided in the Acceptance Ticket, a specific price for the discrete batch of PCS characterized in the Certification. Generator expresses its agreement to pay the price offered when it signs the Acceptance Ticket.

d. Payment. Payment shall be due in two installments. The down payment shall be due at execution of this Agreement. The amount of the down payment shall be seventy-five percent (75%) of the estimated total payment, calculated as follows:

The balance shall be due at the time Generator tenders the final shipment of PCS, but in no case later than Sept. 10,  $19\frac{99}{}$ . The balance shall be calculated as follows:

|                       | x \$45.00/ton | x 1.00                   | = pl         | us sales tex |
|-----------------------|---------------|--------------------------|--------------|--------------|
| # of tons<br>(actual) | price         | any fees<br>specified on | total paymer | it           |
|                       |               | manifest                 | down payme   | nt           |
|                       |               |                          | balance due  | <del></del>  |

FSC shall charge and Generator shall pay a service charge of one and one-half percent (1.5%) per month or the maximum rate permitted by law, whichever is less, on any amounts paid after they become due. Generator shall also pay all reasonable costs of collection, including attorneys' fees, incurred by FSC in the collection of amounts owing but not paid by Generator when due.

- 3. Location of Tender. Generator shall tender PCS to FSC at [circle one and cross out others]
  - (a) FSC Facility;
  - (b) Port of Port Angeles; or
  - (c) [other]\_\_\_\_
- 4. FSC's Responsibilities. FSC shall perform thermal treatment on PCS tendered by Generator pursuant to this Agreement, unless: (a) FSC rejects shipments of PCS under Paragraph 6 below ("FSC Inspection of PCS"); or (b) FSC rejects shipments because Generator has breached a term of this Agreement. FSC shall in its sole discretion determine when thermal treatment of the tendered PCS shall occur.
- 5. Mutual Assurances and Indemnification Generator and FSC. FSC agrees to defend indemnify and hold Generator harmless from and against any and all claims, demands, causes of action, damages, liabilities, losses, expenses, penalties and all reasonable costs of defense relative thereto, including legal fees, caused by or resulting from any breach of this agreement by FSC. Generator agrees to defend, indemnify and hold FSC harmless from and against any and all claims, demands, causes of action, damages, liabilities, losses, expenses, penalties and all reasonable costs of defense relative thereto, including legal fees, caused by or resulting from breach of this

Agreement by the Generator, specifically including but not limited to any breach of Generators obligation to tender only Acceptable PCS to FSC. Notwithstanding any other provision herein, obligations created by this provision shall survive the Agreement.

- 6. FSC Inspection of PCS. FSC shall be entitled to inspect and analyze each shipment of PCS tendered by Generator. FSC's right to inspect PCS under this paragraph is entirely at FSC's discretion and imposes no duty on FSC; Generator bears sole responsibility under this Agreement for tendering only Acceptable PCS. If FSC tests Generator's PCS, Generator shall pay FSC's costs incurred in testing the PCS. If FSC determines that the PCS is not Acceptable PCS, using the testing procedures and criteria referenced in the Certification form, it may reject the PCS by providing written notice, with documented test results, to the Generator. Removal (if necessary) and disposal of PCS rejected according to these standards shall be the responsibility of the Generator. If FSC rejects PCS as unacceptable, it reserves the right, after notice to Generator provided above, to transport the PCS to an alternate disposal site or to return it to Generator's site, and shall be entitled to collect from Generator any expenses or damages incurred thereby, including but not limited to transport, storage or disposal costs.
- 7. Title to PCS. Title to PCS shall not pass to FSC until after it has accepted the PCS and received payments of all amounts due. Generator and FSC may agree to make alternative arrangements regarding whether and how title to PCS passes to FSC by express amendment to this Agreement.
- 8. Terms and Notices. This Agreement shall remain in effect until cancelled. Either party may cancel with or without cause upon thirty (30) days' written notice. All notice or payment provided to FSC under this Agreement shall be by U.S. mail to P. O. Box 2081, Port Angeles, Washington 98362. All notices or correspondence due to Generator under this Agreement shall be by U.S. mail to PETTIT OIL COMPANY

  638 Marine Drive

Port Angeles, WA. 98363

- 9. Unenforceability. If any provision contained in this Agreement is held to be unenforceable by a court of law or equity, this Agreement shall be construed as if such provision did not exist, and the unenforceability of such provision shall not be held to render any other provision of this Agreement unenforceable.
- 10. Cost or Attorney Fees. If either Party finds it necessary to retain an attorney to interpret or enforce this Agreement as a result of any default or breach of this Agreement, the prevailing party shall be entitled to recover, in addition to all other relief, all reasonable attorney fees, costs, and expenses incurred by the prevailing party in connection with such default or breach.
- 11. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Washington. If litigation occurs involving this Agreement, the parties hereby mutually consent and stipulate to jurisdiction and venue in the Clallam County Superior Court.

12. Entire-Agreement. This Agreement constitutes the entire agreement between Generator and FSC relating to the treatment and recycling of PCS and supersedes any and all prior agreements, whether written or oral, that may exist between Generator and FSC. This Agreement shall prevail in the event of conflict between terms herein and any conflicting terms in Certification forms or Acceptance Tickets signed by the Parties prior or subsequent to this Agreement.

| For:           | PETTIT OIL COMPANY   |                                       |
|----------------|--|---------------------------------------|
|                | Signature  Signature  Supplied to the supplied | 8/25/99<br>date                       |
| <del></del>    | Printed Name and Title   | · · · · · · · · · · · · · · · · · · · |
| For:           | FIELDS SHOTWELL CORPORATION  | · a helaa                             |
| <del>'</del> , | Signature D Shotwell   | date                                  |
|                | Jonathan G. Shotwell   | •                                     |
|                | Printed Name and Title   | -                                     |
| For:           | PORT OF PORT ANGELES   |                                       |
|                | Signature  | date                                  |
|                | Printed Name and Title   |                                       |
| For:           |  |                                       |
|                | Signature  | date                                  |
| <del></del>    | Printed Name and Title   |                                       |



PETTIT OIL COMPANY 638 Marine Drive Port Angeles, WA. 98362

RE: FIELDS SHOTWELL CORPORATION'S Contract No. 99-6

Soil Tendered on 8/25/99 721.01 tons

Soil Tendered on 8/26/99 1,108.27

Soil Tendered on 8/27/99 \_\_556.58

2,385.86 tons @ \$45.00 /ton = \$ $\frac{26}{107,363.20}$ 

Sales tax See The ANOCHEN

<del>- 8,481.73</del>

Total Bill from FIELDS SHOTWELL CORPORATION

\$\frac{\\$115,845.43}{97,820^25}

faid in full, Jonathan & Shotwell As

# REVIEW OF PETROLEUM CONTAMINATED SOILS PROPOSED FOR THERMAL TREATMENT AND RECYCLING

# FIELDS SHOTWELL CORPORATION

Post Office Box 2081

Port Angeles, Washington 98362
Telephone: (206) 457-1417/ Facsimile: (206) 457-1416

| Date: 27 - 99                                   |   |              |
|---|---|--------------|
| Generator's name and address:                   | 7 Ou Port An                            | ic eles      |
| Telephone/Fax: Pesco                            | 360-379-9395                            |              |
| Contact person and affiliation:                 | 4 HAWIT 206-80                          | -47-41       |
| Address: DLH Consul                             | 7144                                    | ·            |
| Telephone/Fax:                                  |   |              |
| Source of petroleum; i.e. UST, distribution sit | e, etc.: _GAS + DIESET                  | TANK         |
| REMOVAL WINE 6                                  | 175 #CX3475 .                           |              |
| Chemical(s) other than petroleum:               | ·                                       | NKS_         |
| Acceptability review:                           |   | •            |
| TPH(gasoline) 150 - 2500 POH                    | Washington's Dangerous Waste Regulation | nc           |
| Benzene 68-NO DON                               | WAC 173-303-110                         | DNA          |
| Ethylbenzene 13 27 00 7                         | WAC 173-303-090 (non-corrosive)         | •            |
| Toluene 13-NO PAH                               | WAC 173-303-090 (non-ignitable)         |              |
| Xylene 7, 7-150 PPH                             | WAC 173-303-090 (non-reactive)          |              |
| Lead ND > 5 pary                                | WAC 173-303-090 (non-toxic)             |              |
| TPH (other) 2400 - 11 000 009                   |   | •            |
| THIS MATORIAL 16                                | LEZALLY ACCEPTASCE                      | <del>.</del> |
| Signature: Lea Dong                             |   | *            |
| Review No.:                                     | ,                                       |              |

# APPENDIX D

# WASHINGTON STATE DEPARTMENT OF ECOLOGY SITE CHECK FORMS



# **UNDERGROUND STORAGE TANK** TEMPORARY/PERMANENT CLOSURE

and SITE ASSESSMENT NOTICE See back of form for instructions

| For    | Office I | Jse On   | ly<br>Maries |     |
|--------|----------|----------|--------------|-----|
| Owner# | <u> </u> | 100      | <b>S</b>     | 75  |
| Site#  |          | <i>。</i> |              | 3,3 |

| Please 🗹 the            | appro   | opriate box(es) | [5] |
|-------------------------|---------|-----------------|-----|
| Please type or print in | nformat | ion             |     |
| Temporary               | X       | Permanent       |     |

|      |                           | <del></del>               |                       |  |       |
|------|---------------------------|---------------------------|-----------------------|--|-------|
|      | Temporary<br>Tank Closure | Permanent<br>Tank Closure | Change-In-<br>Service | Site Assessm<br>Site Check   | ient/ |
| Plea | ase type or print inf     | ormation                  |                       |  |       |
| 1.10 | ease 💌 me a               | ppropriate box(es)        | 1                     | The second of th |       |

| _                           |  |   |   |   |
|-----------------------------|--|---|---|---|
| SITE INFORMAT               |  | <del>.</del>  | # ^ 211   | 25  |
| Site ID Number (on inv      | voice or available from Ecolo  |   | ered): #0034                                    | <u> </u>  |
| Site/Business Name: .       |  |   |   |   |
| Site Address:               | 220 TUMI   | NATER D   | <b>PWE</b> Telephone:                           | (   |
|                             | PORT ANGEL   | ES  | WA  | 98363   |
|                             | City   |   | State   | Z(P-Code  |
| TANK INFORMA                |  |   |   | CONTAMINATION   |
| Tank ID                     | Closure Date   | Tank Capacity   | Substance Stored                                | PRESENT AT THE  |
|                             | 8/24/99  | 2 000   | <u>GAS</u>                                      | TIME OF CLOSURE   |
| 2                           |  | 2000  | _ GAS   | - X   |
| 3                           | <u> </u>   | 2000  | DIESEL  | Yes No  |
| 4                           | - 11   | 2000  | DIESEL  | _   |
| 5                           | 8 25 99  | 8000  | DIESEL  | Unknown   |
|                             |  |   |   | Check unknown if no  obvious contamination was                              |
|                             |  |   | _   | observed and sample   |
|                             |  |   |   | <ul> <li>results have not yet been received from analytical lab.</li> </ul> |
|                             |  |   |   |   |
|                             | WNER/OPERATOR:<br>Pettit Oil Company   |   |   |   |
| <                           | FECCIC OLI CAMPANY   | Marian Marian San San San San San San San San San S   |   |   |
| Owners Signature:           | and the second s | Telepho   | ne: ( <u>360)</u> 457-9404                      |   |
| Address: 638 Mag            | rine Drive<br>Street   | and declare the second | P.O. Box  |   |
| Port Ar                     | ngeles   |   | WA_   | 98363   |
|                             | City   |   | State   | ZIP-Code  |
| TANK CLOSURE                | /CHANGE-IN-SERVI   | CE PERFORMED  | BY:   |   |
| Service Provider:           | SCD  |   | 12  |   |
| 7                           | DONNA HEWLT  | 7 (DLH)   | License Number: Decommissioning License Number: | 4716-76   |
| Licensed Supervisor:        | A TOWLY  | 1/2   | - License Number: 10 1                          | 1110 00   |
| Supervisors Signature:      | 2-0- 11 Pm   |   |   | ·   |
| Address:                    |  | -0  | 2049  |   |
|                             | PORT TO  | UNSEND  | P.O. Box<br>WA-<br>State                        | 98368   |
| Telephone: ()               | City   |   | State   | ŽiP-Code  |
|                             | E ASSESSMENT CC  | NDUCTED BY  |   |   |
| OHE OHEOROIT                |  | • 1   |   |   |
| Name of Registered Site A   |  | NA HEWI-  | 17  |   |
| Telephone: (2012) <u>43</u> |  |   | 10/   |   |
| Address: <u>1335</u>        | N. NOVJHAKE  | WAY SUITE   |   |   |
|                             | TTLE Street  |   | P.O. Box  | 98103-8918  |
|                             | City   |   | State   | ZIP-Code  |



| [      | For Office Use Only |
|--------|---------------------|
| Owner  |                     |
| Site # | 3425                |

|     |                   | _           |    | _ | , | -   |     |
|-----|-------------------|-------------|----|---|---|-----|-----|
| 11. | $M \rightarrow M$ | <b>14</b> . | 18 |   |   | M   |     |
| ш   |                   |             |    |   |   | II. | ~ ~ |

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with the Department of Ecology. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

<u>TANK INFORMATION:</u> Please list all the tanks for which the site check and site assessment is being conducted. Use the tank ID number if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

| CHECKLIST: Please initial each item in the appropriate box.  SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/ site assessment. |   | Underground Storage Tank Section<br>Department of Ecology<br>P. O. Box 47655<br>Olympia, WA 98504-7655 |
|---|---|--|
| , 50  |   |  |
| TANK INFORMATION  Tank ID No.  AND 2  3 AND 4  5  | Tank Capacity 2000 gul 2000 gul 8000 gul  | Substance Stored GASO LING DIESCL DIESCL   |
| Investigate suspecte Extend temporary cle UST system underge UST system perman XXX UST system perman Abandoned tank con   | ed release due to on-site environd release due to off-site environsure of UST system for more bing change-in-service.  The ently closed-in-place in the environsum of the environsum of the ently closed with the temove in the ently closed with the environsum of the | onmental contamination. onmental contamination. than 12 months.  |

| Each                   | ECKLIST  n item of the following checklist shall be initialed by the person registered with the Department of se signature appears below.  |              |  |
|------------------------|--|--------------|--|
| 1.                     | The location of the UST site is shown on the vicinity map.   | YES<br>D#    | NO   |
| 2.                     | A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)  |              | -  |
| 3.                     | A summary of UST system data is provided. (see Section 3.1)  | D#           |  |
| 4.                     | The soils characteristics at the UST site are described. (see Section 5.2)   | D#           | 1  |
| 5.                     | Is there apparent groundwater in the tank excavation?  | D4           |  |
| 6.                     | A brief description of the surrounding land is provided. (see Section 3.1)   | D#           |  |
| 7.                     | 7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.   |              |  |
| 8.                     | A sketch or sketches showing the following items is provided:  |              | 1  |
|                        | <ul> <li>location and ID number for all field samples collected</li> <li>groundwater samples distinguished from soil samples (if applicable)</li> </ul>  |              | <u></u>  |
|                        | - samples collected from stockpiled excavated soil   | DH           |  |
|                        | - tank and piping locations and limits of excavation pit   | D#           | <del> </del>                                     |
|                        | - adjacent structures and streets  |              | <del>                                     </del> |
|                        | - approximate locations of any on-site and nearby utilities  | D#           | +  |
| 9.                     |  |              | D#   |
| 10.                    | A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.  |              |  |
| 11.                    | Any factors that may have compromised the quality of the data or validity of the results are described.  |              |  |
| 12.                    | . The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.   |              |  |
| SITE                   | ASSESSOR INFORMATION   | <u></u>      | <u> </u>   |
| -                      | DONNA HEWITT DLH ENV. CONSULT  | ring         | ,  |
|                        | PERSON REGISTERED WITH ECOLOGY FIRM AFFILIATED WITH  |              |  |
| BUSINE                 | ESSADDRESS: 1335 N. NORTHLAKE WAY #10/ TELEPHONE:(206) 632-3   |              | \$   |
|                        | SEATTIE, WA 98103  |              |  |
|                        | CITY STATE ZIP+CODE  |              |  |
| I here<br>descr<br>WAC | reby certify that I have been in responsible charge of performing the site check/site assessmeribed above. Persons submitting false information are subject to penalties under Chapter 1   | ent<br>73-36 | :0   |
|                        | The state of the s |              |  |
|                        | Date Signature of Person Registered with Ecot  | iogy         |  |