

# \* PETROLEUM RELEASE FORM \*

Please Check All That Apply

## INCIDENT INFORMATION

RECEIVED BY: (Dept. use only) get LOG NBR: (Dept. use only) 04-99-1403

DATE REPORTED: (today's date) 12/21/99

SITE NAME: Gary's Cannon Beach Service

SITE ADDRESS: 260 N Hemlock

SITE CITY: Cannon Beach ZIP: 97110

SITE COUNTY: Clatsop PHONE: \_\_\_\_\_

☐ NON-REGULATED UST

☒ REGULATED UST & FAC NBR: 319

☐ HEATING OIL TANK

### MAIL CONTACTS

REPORTED BY (person reporting this release to the Dept.)

NAME: Gary Moon

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ZIP: \_\_\_\_\_

STATE: \_\_\_\_\_ PHONE: \_\_\_\_\_

EMAIL: \_\_\_\_\_

INVOICE CONTACT (required, may be same as responsible party)

NAME: \_\_\_\_\_

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ZIP: \_\_\_\_\_

STATE: \_\_\_\_\_ PHONE: \_\_\_\_\_

RESPONSIBLE PARTY (person responsible for remedial action)

NAME: Gary Moon

COMPANY: Gary's Cannon Beach Service

ADDRESS: PO Box 428

CITY: Cannon Beach ZIP: 97110

STATE: OR PHONE: 436-2280

EMAIL: \_\_\_\_\_

OTHER CONTACT(S) (not required)

NAME: \_\_\_\_\_

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ZIP: \_\_\_\_\_

STATE: \_\_\_\_\_ PHONE: \_\_\_\_\_

### SITE ASSESSMENT

DATE DISCOVERED: 12/15/99 DATE TANK IS EMPTY: 12/15/99

#### CONFIRMATION:

- ☐ SI) STAFF: DEQ
- ☐ LD) LAB: DEQ
- ☐ LR) LAB: RP
- ☐ LO) LAB: OTHER
- ☐ RR) RP REPORT
- ☐ CN) CONTRACTOR
- ☐ OT) OTHER

#### DISCOVERY:

- ☐ RM) ROUTINE MONITORING
- ☐ DC) DECOMMISSIONING
- ☐ CP) COMPLAINT
- ☐ IC) INVENTORY CONTROL
- ☐ SA) SITE ASSESSMENT
- ☐ TT) TANK TEST
- ☐ OT) OTHER

#### CAUSE:

- ☐ TL) TANK LEAK
- ☐ PL) PIPE LEAK
- ☒ OF) OVERFILL
- ☐ SS) SURFACE SPILL
- ☐ PV) PUMP/VALVE LEAK
- ☐ OT) OTHER
- ☐ UN) UNKNOWN

### CONTAMINANTS

- ☐ UG) UNLEADED GASOLINE
- ☐ LG) LEADED GASOLINE
- ☐ MG) MISC. GASOLINE
- ☐ DS) DIESEL (motor fuel)

- ☒ WO) WASTE OIL
- ☐ HO) HEATING OIL
- ☐ LB) LUBRICANT
- ☐ SV) SOLVENT

- ☐ OP) OTHER PET. DIST
- ☐ CH) CHEMICAL
- ☐ OT) OTHER
- ☐ UN) UNKNOWN

### IMPACTS

- ☒ SL) SOIL
- ☐ GW) GROUNDWATER
- ☐ SW) SURFACE WATER
- ☐ DW) DRINKING WATER
- ☐ FV) FACILITY OR BUILDING (VAPOR)
- ☐ FP) FACILITY OR BUILDING (FREE PRODUCT.)

### SITE-MANAGEMENT (THIS SECTION DEPT. USE ONLY)

RELEASE STOPPED: 12/15/99 FINAL REQUEST INVOICE DATE: 12/26/02

CLEANUP STARTED: 12/21/99 NO FURTHER ACTION: 2/26/03 *BWMA*

NOTES/COMMENTS: \_\_\_\_\_

## COST RECOVERY AGREEMENT

LTR  
DEC 30 1999

### NORTHWEST REGION

This document serves as an agreement between the undersigned (hereinafter "you") and the Department of Environmental Quality (DEQ) regarding DEQ review and oversight of the investigation and /or cleanup of petroleum (hazardous substances) at the property located at:

Facility Name: GARY'S CANNON BEACH SERVICE CENTER, INC. ✓  
Address: 280 N. HEMLOCK, P.O. BOX 428  
City, Zip: CANNON BEACH, OR 97110  
File/Log #: 04-99-1403

LUST

DEQ agrees to review environmental documents submitted by you or on your behalf regarding the investigation and/or cleanup of the above-referenced site. Additional details regarding DEQ oversight will be established upon review of the initial site data.

DEQ requires that persons requiring DEQ review and oversight of investigation and cleanup activities agree to the terms of this agreement and pay project-oversight costs.

DEQ project oversight costs will include direct costs and indirect costs. Direct costs include site-specific expenses and legal costs. Indirect costs are those general management and support costs of the DEQ and of the Environmental Cleanup Division (ECD) allocable to DEQ oversight of this agreement and not charged as direct personal services costs. Review and oversight costs shall not include any unreasonable costs or costs not otherwise recoverable by DEQ under ORS 465.255.

DEQ costs are payable within thirty (30) days of issuance of the monthly statement, by check made payable to the "Department of Environmental Quality."

If you elect not to enter into this agreement, it does not release you from any responsibility you might have from any reporting requirements, investigation and cleanup of petroleum (hazardous substances) at the above referenced facility. This does not preclude the DEQ from conducting audits or inspections of all or portions of the investigation and cleanup activities associated with this facility. Enforcement action may be initiated if violation of DEQ requirements is found.

Either DEQ or you may terminate this agreement by giving 15 days advanced written notice to the other. Only those costs incurred or obligated by DEQ prior to the effective date of any termination of the agreement shall be recoverable under this agreement. Termination of this agreement will not affect any other right DEQ may have for recovery of costs under any applicable law.

You will hold DEQ harmless for any claims (including but not limited to claims of property damage or personal injury) arising from activities reviewed or overseen under this agreement.

This agreement is not and shall not be construed as an admission by you of any liability under ORS 465.255 or any other law or as a waiver by you of any defense such as liability. This agreement is not and shall not be construed as a waiver, release or settlement of claims DEQ may have.

The DEQ Regional Office will be responsible for the review and oversight of the investigation and cleanup activities associated with the property. Please refer all site specific inquiries to that office.

Inquiries regarding Cost Recovery should be directed to the Underground Storage Tank Cleanup Program at (503) 229-5527. Questions regarding invoicing should be directed to Tina Leppaluoto at (503) 229-5812.

If the terms of this agreement are acceptable, please have it executed by an authorized officer in the space provided below. In order to more effectively schedule your project, please return this agreement within thirty (30) days of receipt to: UST Duty Officer, Department of Environmental Quality, Northwest Region Office, 2020 SW Fourth Avenue, Portland Oregon 97201.

Accepted and agreed to this 28 day of DEC., 19 99

By: Gary D. Moon  
(signature)

Title: PRESIDENT

Please provide the following information on where the invoices should be sent.

Individual Name: GARY MOON Title: PRESIDENT

Company: GARY'S CANNON BEACH SERVICE CENTER, INC.

Mail Address: P.O. BOX 428

City, State, Zip: CANNON BEACH, OR. 97110

Phone Number: 503 436 2280

FILE NAME Gary's Cannon Beach Services LOG NO. 04-99-1403

## NWR'S NFA TRACKING CHECKLIST

| ROUTE TO   | ACTIVITY                                                                                                                      | RESPONSIBLE PERSON | DATE COMPLETED |
|------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|
|            | Sequent checked by project manager to make sure fees paid and tanks closed and that UST compliance issues have been resolved. | <i>Sh</i>          | 12-17-02       |
|            | OTIS updated with soil disposal, public notice, and other applicable information by project manager.                          | <i>Sh</i>          | 12-17-02       |
|            | Draft NFA prepared by Project Manager (PM) and submitted to NRS-4 Hydro or Manager for review                                 | <i>Sh</i>          | 12-17-02       |
| <i>HSC</i> | Draft NFA approved by NRS-4 Hydro (or Manager, if necessary) and submitted for data entry                                     | <i>HSC</i>         | 12/26/02       |
|            | SEQUENT updated with final invoice request date and new green sheet information.                                              | <i>BMA</i>         | 12/26/02       |
|            | OPTIONAL STEP: Expedited payment request by responsible party (RP) is handled by =====>>                                      | _____              | _____          |
|            | OPTIONAL STEP: Estimated Expedited Payment Amount given to RP by =====>>                                                      | _____              | _____          |
|            | To Administrative staff for cost recovery entries                                                                             | <i>BMA</i>         | 12/26/02       |
|            | Final invoice paid notice received from Business Office and PM informed by Manager                                            | <i>BP</i>          | 2/25/03        |
|            | Final NFA drafted and signed by PM (and Manager, if necessary), and sent for data entry                                       | <i>Sh</i>          | 2/25/03        |
|            | SEQUENT updated with filed closed information.                                                                                | <i>BMA</i>         | 2/26/03        |
|            | Proofreading letter and file closure activities                                                                               | <i>BMA</i>         | 12/26/02       |
| <i>SW</i>  | Copies made and mailed                                                                                                        | <i>SW</i>          | 2-27-03        |

## NFA PROCESS COMPLETE



# Oregon

Theodore R. Kulongoski, Governor

## Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6945

TTY (503) 229-5471

February 26, 2003

GARY MOON  
GARY'S CANNON BEACH SERVICE  
PO BOX 428  
CANNON BEACH OREGON 97110

Re: Gary's Cannon Beach Service  
File No. 04-99-1403  
Facility ID. No. 319

Dear Mr. Moon:

The Department of Environmental Quality has completed its review of the information submitted to date concerning the underground storage tank (UST) decommissioning and cleanup conducted at 280 N. Hemlock in Cannon Beach, Oregon. The Department has determined that the cleanup appears to have met the requirements of Oregon Administrative Rules (OAR) 340-122-205 through 340-122-360 and that no further action is required at this time.

This determination is a result of our evaluation and judgment based on the regulations and facts as we now understand them.

1. One 550-gallon waste oil UST was decommissioned in-place at this location and filled with an inert material.
2. During a site assessment waste oil contamination was discovered around the fill port area which was caused by overfill. Approximately .28 tons of contaminated soil was excavated and taken to Hillsboro Landfill in Hillsboro, Oregon for disposal.
3. After cleanup was completed soil samples were collected from the excavation walls to verify that cleanup was complete and the applicable cleanup levels were met. The results from those samples indicate that waste oil was not detected in the soil and that further waste oil analysis were not required.
4. Groundwater was encountered during the cleanup; two groundwater samples were collected and analyzed for polynuclear aromatic hydrocarbons (PAHs). The results of laboratory analysis indicated PAHs and gasoline constituents were not detected in the groundwater.

Based on the DEQ's review of the final report the cleanup levels have been met for both soil and groundwater. The DEQ has determined the site meets the Soil Matrix Cleanup standards, therefore this site is being closed as a soil matrix cleanup and that no further work is required at this time.

Mr. Moon  
February 26, 2003  
Page 2

The Department's determination will not be applicable if new or undisclosed facts show that the cleanup does not comply with the referenced rules. The Department's determination also does not apply to any conditions at the site other than the reported release of the petroleum product specifically addressed in the report(s).

Please note that pursuant to OAR 340-122-360(2), a copy of your report must be retained until ten (10) years after the first transfer of the property. We recommend that a copy of this information be kept with the permanent facility records.

Your efforts to comply with the regulations to ensure that your facility has been adequately cleaned up have been appreciated.

If you have any questions, please feel free to contact me at (503) 229-5472.

Sincerely,

A handwritten signature in cursive script, reading "Tina Leppaluoto". The signature is written in dark ink and is positioned above the printed name and title.

Tina Leppaluoto, UST Cleanup Specialist  
UST Cleanup and Compliance Section

cc: K&S Environmental, Inc.  
4475 SW Scholls Ferry Road #256  
Portland Oregon 97225

(tll:TLL)



4475 SW Scholls Ferry Rd., #256 ▲ Portland, OR 97225  
(503) 291-1454 ▲ Fax 291-5425

November 19, 2002

DEQ - NW Region  
2020 SW Fourth  
Suite 400  
Portland, OR 97201

RECEIVED  
NOV 21 2002

DEPT OF ENVIRONMENTAL QUALITY  
NORTHWEST REGION

Attn: Tina Leppaluoto  
UST Compliance Specialist

**Re: Gary's Service Center, Cannon Beach, OR**  
**Facility No. 319**  
**File No. 04-99-1403**

Dear Leppaluoto:

Enclosed you will find a copy of the K&S Environmental, Inc. (K&S) report entitled 'Results of Limited Subsurface Investigation at Former W/O UST' for the above referenced site. The report contains all the documentation you had requested in your October 4, 2002 letter to Gary Moon. Due to the convincing results of the recent soil and groundwater sampling, and sampling protocol concerns with the previous sampling event, K&S feels that the results of the sampling completed at the time of the decommissioning are not needed for closure of the site. For this reason the sample locations/results of the previous work have not been included in this report. The pictures included at the end of the enclosed report appear to provide the best documentation for the decommissioning work completed by the owner.

K&S and Gary Moon request that you review the results in the enclosed report and, if appropriate, issue a 'No Further Action' determination for the former waste oil UST at the site. Please do not hesitate to call me if you have any questions.

Sincerely,

Bill Knutson, P.E.  
Environmental Engineer  
DEQ UST Soil Matrix License No. 12530

cc Gary Moon



4475 SW Scholls Ferry Rd., #256 ▲ Portland, OR 97225  
(503) 291-1454 ▲ Fax 291-5425

November 19, 2002

Gary Moon  
Gary's Cannon Beach Service Center, Inc.  
280 N. Hemlock Street  
Cannon, Beach OR 97110

RECEIVED  
NOV 21 2002

DEPT OF ENVIRONMENTAL QUALITY  
NORTHWEST REGION

Re: Results of Limited Subsurface Investigation at Former W/O UST  
Gary's Cannon Beach Service Center, Inc., Cannon Beach, OR  
DEQ File No. 04-99-1403

Dear Mr. Moon:

This report presents the field observations, drilling methods, and analytical laboratory results for the work associated with the installation and sampling of two borings by K&S Environmental, Inc. (K&S) at the above referenced facility. The two borings were positioned one at each end of a former waste oil UST system at the site. The 500 gallon waste oil UST was decommissioned in 1999 by Gary Moon, the property and tank owner. According to Mr. Moon, during the decommissioning of the tank a minimal volume of soil around the tank fill was found to be contaminated and a soil cleanup was completed at that time. Follow-up soil sampling performed by Mr. Moon of the remaining soil at each end of the tank, and a groundwater sample collected from the south end of the tank detected no reportable levels of TPH in either soil sample, and very low levels of TPH in the water sample. The tank was subsequently filled in place with clean imported fill sand and the surface was restored.

Due to a lack of required documentation and the presence of minor levels of TPH in the groundwater sample collected at the time of decommissioning, the DEQ requested a follow-up investigation to document current soil and groundwater conditions at the site. Specific sampling requests were presented in DEQ's October 11, 2001 letter from Greg Toran and DEQ's October 4, 2002 letter from Tina Leppaluoto. The work completed by K&S on addressed all concerns presented in the two referenced DEQ letters and the results are presented below.

### Procedures

On October 18, 2002, K&S arrived at the site to complete a subsurface investigation to investigate the possibility of subsurface contamination adjacent to the decommissioned 500 gallon waste oil UST at the site. The tank was located inside the shop area near the northwest corner of the building. A total of two borings (B-1 and B-2) were installed, one at each end of the decommissioned tank. Prior to installing the borings, the concrete floor was cored with a 4" diameter diamond bit. After the concrete had been cored, a K&S engineer probed the subsurface with a 5 foot tile probe to confirm the exact location of the decommissioned tank. The borings



were installed within 4 inches of the tank ends using a trailer mounted Giddings drill rig that utilizes a 3 inch diameter solid stem auger that is advanced to the desired depth with kelly bars.

Soil samples were collected from the approximate depth interval of 6-6.5 feet in the two borings. The soil samples were obtained by pushing a split spoon sampler into undisturbed soil beyond the bottom of the borehole after the auger had been removed from the borehole. The bottom of the tank was at an approximate depth of 5.5 feet. Soil cuttings were continually inspected for visual and olfactory evidence of contamination during installation of the borings.

Each boring was completed as a temporary monitoring well by installing a 2 inch perforated casing into the borehole to the total depth explored of 10 feet below ground surface. After the groundwater in each well had been allowed to stabilize for approximately 1 hour, a water sample was collected from each boring using a disposable bailer. Subsequent to collection of the water samples, each casing was removed from the borehole, and the boreholes were abandoned by filling the borehole from the bottom to 6 inches with hydrated chip bentonite, then patched at the surface with concrete to match the existing surface.

All soil samples collected for possible chemical analyses were placed into EPA approved 8 ounce glass containers using disposable Nitride gloves. The samples were packed for minimal head space, labeled and placed on ice for transport to the laboratory accompanied by chain of custody documentation. The water samples were obtained using a disposable bailer. The water samples were placed into 40 ml VOAs for VOC analyses and into 1 liter amber glass bottles for PAH analyses.

The contaminated soil removed from around the fill riser during the decommissioning of the tank in 1999 was stored on site in a 55 gallon drum when K&S arrived at the site. For disposal purposes, K&S collected a soil sample of the contaminated soil and had it analyzed for TCLP Metals (3), TPH and VOCs.

### **Disposal**

A total of 30 gallons of used oil and sludge was generated during the decommissioning of the 500 gallon waste oil UST. The waste product/sludge waste disposed of by Spencer Environmental. A copy of the waste disposal receipt is attached to this report.

A total of .28 tons of contaminated soil was removed from around the fill riser during the decommissioning of the tank. The soil was drummed and disposed of at Hillsboro Landfill on November 18, 2002. A copy of the disposal receipt is attached to this report.

### **Results**

*Subsurface Conditions:* Soil encountered at the site consisted of a fine poorly graded sand. A layer was encountered at the 5 foot depth that contained some gravel mixed with the native sand. The native material was brown with no visual or olfactory evidence of petroleum contamination in borings B-1 and B-2. Beginning at approximately 7 feet, the moisture content in the soil began increasing. Free water was encountered in borings B-1 and B-2 at approximately 9.5 feet. The

water level in the temporary monitoring wells was measured at 8 feet in both borings just prior to sampling.

**Chemical Results:** A total of 2 soil samples were collected and preserved from the 2 borings installed at the site. The two soil samples were taken to an independent laboratory for chemical analyses of TPH by DEQ approved method NWTPH-HCID.

A total of 2 groundwater samples were collected from the temporary monitoring wells installed at the site. The groundwater samples were preserved and analyzed at an independent laboratory for oil constituents by EPA method 8260B and PAHs.

Results of all soil and groundwater samples collected at the site by K&S are summarized below in Tables 1 and 2. Certified analytical reports with chain of custody documentation are included with this report.

**Table 1**

| Sample ID  | Location    | NWTPH-HCID   | VOCs | PAHs |
|------------|-------------|--------------|------|------|
| W1 (water) | B-1, 8'     | NT           | ND   | ND   |
| W2 (water) | B-2, 8'     | NT           | ND   | ND   |
| S1 (soil)  | B-1, 6-6.5' | ND, ND, ND   | NT   | NT   |
| S2 (soil)  | B-2, 6-6.5' | ND, ND, ND   | NT   | NT   |
| D1* (soil) | Drum        | ND, ND, Pos. | ND   | NT   |

**D1\* - Sample also tested for TPH by NWTPH-Dx and for TCLP Metals (3). Sample contained 13,100 ppm oil and 0.495 ppm Pb.**

ppm - parts per million

ND - None detected at or above reportable levels

NT - Not tested for this analyte

Pos - Positive for hydrocarbons in gas, diesel and/or oil ranges.

### **Discussion of Results**

On October 18, 2002, K&S installed a total of 2 borings adjacent to a decommissioned waste oil UST at the Gary's Service Center facility located at 280 N. Hemlock St. in Cannon Beach, OR. Soil samples were collected from the 6-6.5 foot depth interval. Groundwater was encountered by K&S at a depth of approximately 8 feet and one water sample was collected from each temporary monitoring well casing installed in the two borings. A soil sample was also collected from the drummed contaminated soil removed from around the fill riser during the decommissioning of the tank.

Chemical analyses were completed on the two soil samples collected from the borings installed by K&S at the site. The soil and groundwater sampled at the site were analyzed for total petroleum hydrocarbons constituents as requested by DEQ. The drummed contaminated soil was permitted for disposal with Waste Management and was disposed of under permit at Hillsboro Landfill on 11/18/02.

The results of the subsurface investigations performed by K&S Environmental, Inc. indicates no contamination remains in the soil or groundwater adjacent to the decommissioned 500 gallon waste

oil UST at the site. The tank was properly decommissioned by the owner in 2000 by exposing the tank top, then cutting an access hole and cleaning the tank interior. The tank was then filled with clean imported fill sand and the site was restored. K&S has included pictures that should adequately document the decommissioning work completed at the site.

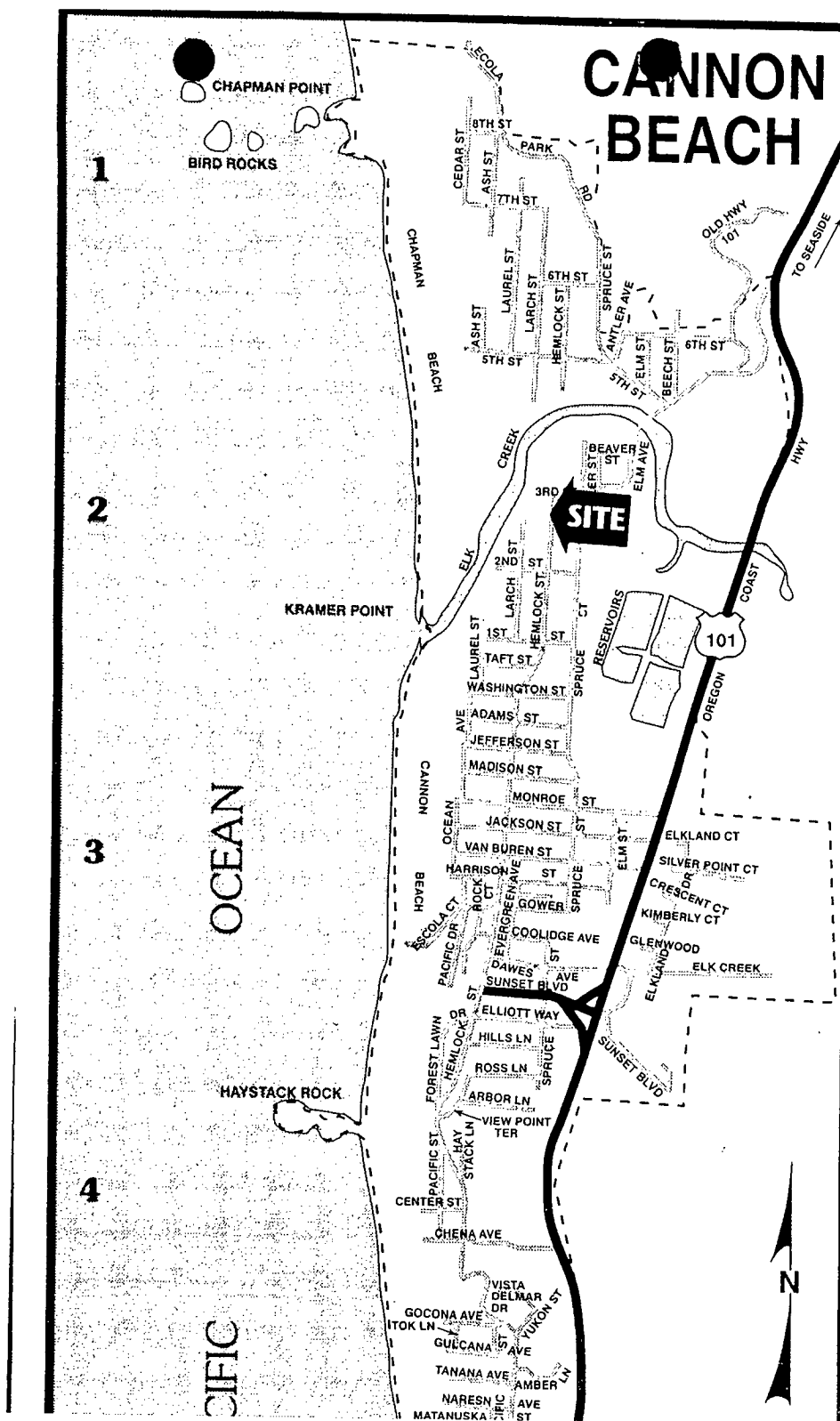
A copy of this report has been forwarded to Tina Leppaluoto of the for her review. Please do not hesitate to call me if you have any questions.

Sincerely,



Bill Knutson, P.E.  
Environmental Engineer

✓cc Tina Leppaluoto, DEQ UST Cleanup Specialist

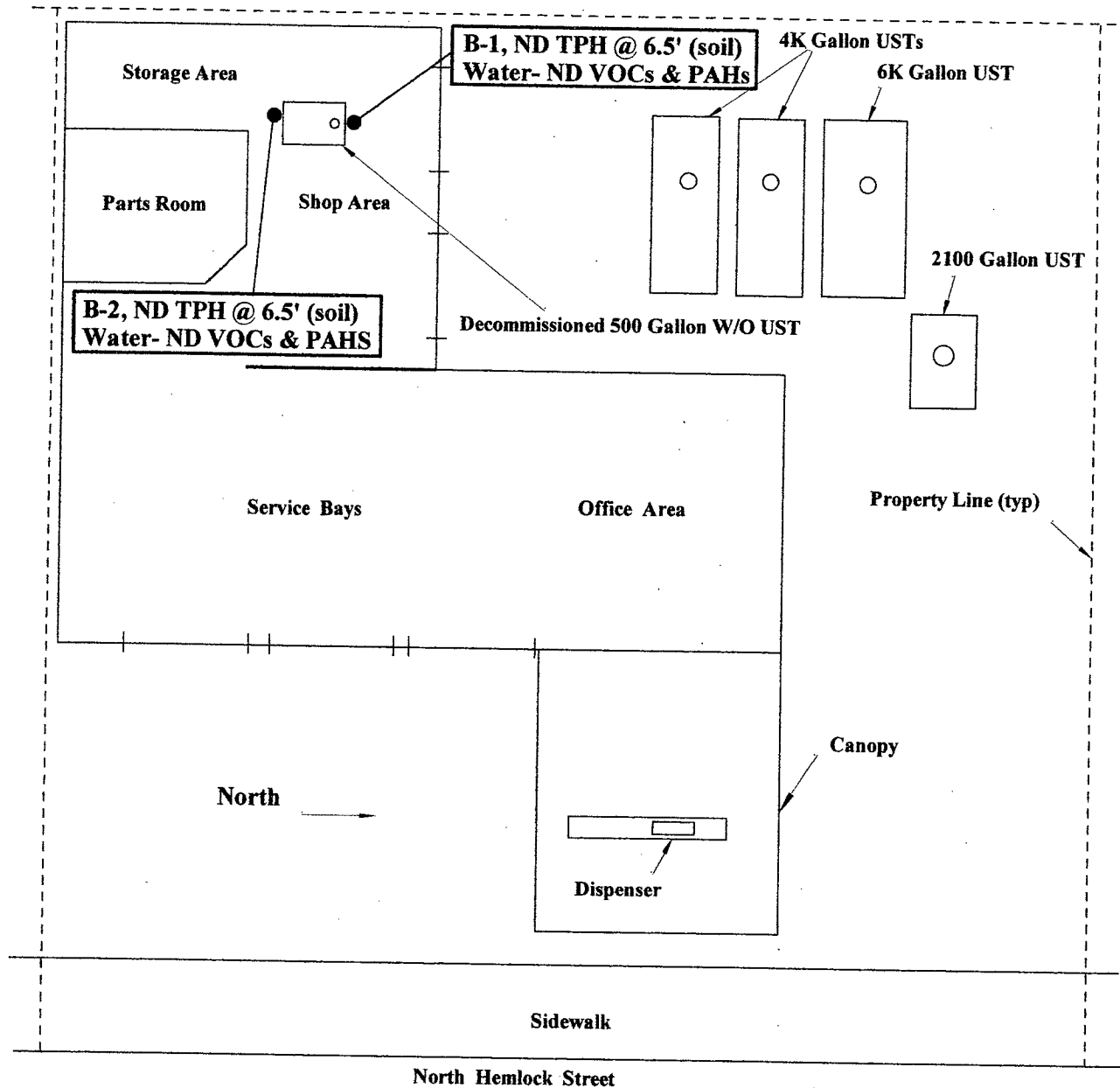


## Vicinity Map

Gary's Service Center  
280 N. Hemlock St.  
Cannon Beach, OR

**K&S**  
**Environmental**  
**Inc.**

Date: 11/19/02  
Project: #2479



Site

Gary's Service Center  
280 N. Hemlock St.  
Cannon Beach, OR

**K&S Environmental, Inc.**

B-1, ND TPH @ 6.5' (soil)  
Water- ND VOCs & PAHs

● - Sample/Boring Location w/Results & Depth

Job #2479  
Date: 11/19/02  
Scale: 1" = 16'

# CHAIN OF CUSTODY



K&S ENVIRONMENTAL, INC  
4475 SW SCHOLLS FERRY RD., #256, PORTLAND OREGON 97225  
Ph. (503) 291-1454 FAX (503) 291-5425

P2J0591

PROJECT NO.

2479

Project Name:

Gary's Service Center

Address:

280 N. Hemlock St., Cannon Beach, OR

Sampler

Bill Knutson

Turnaround Time

Standard 5 Day

48 hr Rush

24 hr Rush

| Sample # | Date     | Time | Sample Type<br>soil, water<br>or product | Sample Location   | Depth   | NWTPH-HCID | NWTPH-Gx | NWTPH-Dx | BTEX (S021) | NWTPH-G/BTEX | PAH | Total Pb | EDB & EDC | TCLP (3 metals) | TCLP (3 metals) | PCBs (EPA8082) | VOCs (EPA8260) | RBCA + | MTBE |
|----------|----------|------|------------------------------------------|-------------------|---------|------------|----------|----------|-------------|--------------|-----|----------|-----------|-----------------|-----------------|----------------|----------------|--------|------|
|          |          |      |                                          |                   | (ft)    |            |          |          |             |              |     |          |           |                 |                 |                |                |        |      |
| W1       | 10/19/02 |      | Water                                    | Boring B-1, North | 8       |            |          |          |             |              | X   |          |           |                 |                 |                | X              |        |      |
| W2       | 10/19/02 |      | Water                                    | Boring B-2, South | 8       |            |          |          |             |              | X   |          |           |                 |                 |                | X              |        |      |
| S1       | 10/19/02 |      | Soil                                     | Boring B-1, North | 6-6 1/2 | X          |          |          |             |              |     |          |           |                 |                 |                |                |        |      |
| S2       | 10/19/02 |      | Soil                                     | Boring B-2, South | 6-6 1/2 | X          |          |          |             |              |     |          |           |                 |                 |                |                |        |      |
|          |          |      |                                          |                   |         |            |          |          |             |              |     |          |           |                 |                 |                |                |        |      |
|          |          |      |                                          |                   |         |            |          |          |             |              |     |          |           |                 |                 |                |                |        |      |
|          |          |      |                                          |                   |         |            |          |          |             |              |     |          |           |                 |                 |                |                |        |      |
|          |          |      |                                          |                   |         |            |          |          |             |              |     |          |           |                 |                 |                |                |        |      |
|          |          |      |                                          |                   |         |            |          |          |             |              |     |          |           |                 |                 |                |                |        |      |
|          |          |      |                                          |                   |         |            |          |          |             |              |     |          |           |                 |                 |                |                |        |      |

Relinquished by:

Relinquished by:

Date:

Time:

Received by:

Notes:

\* RUSH on soil HCID analysis  
1 Day

T=5.2e

Lab#



**Seattle** 11720 N Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9210 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite 8, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

30 October, 2002

Bill Knutson  
K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

RE: Gary's Service Center

Enclosed are the results of analyses for samples received by the laboratory on 10/21/02 07:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
Philip Nerenberg  
Laboratory Manager

Work Orders included in this report:

P2J0591



Seattle 11720 Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID            | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|----------------------|---------------|--------|----------------|----------------|
| W1 Boring B-1, North | P2J0591-01    | Water  | 10/18/02 12:00 | 10/21/02 07:30 |
| W2 Boring B-2, South | P2J0591-02    | Water  | 10/18/02 12:00 | 10/21/02 07:30 |
| S1 Boring B-1, North | P2J0591-03    | Soil   | 10/18/02 12:00 | 10/21/02 07:30 |
| S2 Boring B-2, South | P2J0591-04    | Soil   | 10/18/02 12:00 | 10/21/02 07:30 |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 1 of 17





Seattle 11720 N Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9210 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

Reported:  
 10/30/02 14:25

### Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Portland

| Analyte                                       | Result | Reporting Limit | Units     | Dilution | Method     | Prepared                             | Analyzed | Batch   | Notes |
|-----------------------------------------------|--------|-----------------|-----------|----------|------------|--------------------------------------|----------|---------|-------|
| <b>S1 Boring B-1, North (P2J0591-03) Soil</b> |        |                 |           |          |            | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Gasoline Range Hydrocarbons                   | ND     | 20.0            | mg/kg dry | 1        | NWTPH HCID | 10/21/02                             | 10/22/02 | 2100675 |       |
| Diesel Range Hydrocarbons                     | ND     | 50.0            | "         | "        | "          | "                                    | "        | "       |       |
| Heavy Oil Range Hydrocarbons                  | ND     | 100             | "         | "        | "          | "                                    | "        | "       |       |
| Surr: 1-Chlorooctadecane                      | 94.0 % | 50-150          |           |          |            |                                      |          |         |       |
| <b>S2 Boring B-2, South (P2J0591-04) Soil</b> |        |                 |           |          |            | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Gasoline Range Hydrocarbons                   | ND     | 20.0            | mg/kg dry | 1        | NWTPH HCID | 10/21/02                             | 10/22/02 | 2100675 |       |
| Diesel Range Hydrocarbons                     | ND     | 50.0            | "         | "        | "          | "                                    | "        | "       |       |
| Heavy Oil Range Hydrocarbons                  | ND     | 100             | "         | "        | "          | "                                    | "        | "       |       |
| Surr: 1-Chlorooctadecane                      | 81.9 % | 50-150          |           |          |            |                                      |          |         |       |

North Creek Analytical - Portland

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

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 2 of 17



Seattle 11720 Creek Pkwy N. Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.908.9200 fax 503.908.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

| Analyte                                 | Result | Reporting Limit | Units | Dilution | Method    | Prepared                             | Analyzed | Batch   | Notes |
|-----------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| W1 Boring B-1, North (P2J0591-01) Water |        |                 |       |          |           | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Acetone                                 | ND     | 25.0            | ug/l  | 1        | EPA 8260B | 10/21/02                             | 10/21/02 | 2100674 |       |
| Benzene                                 | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromobenzene                            | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromochloromethane                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromodichloromethane                    | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromoform                               | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromomethane                            | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| 2-Butanone                              | ND     | 10.0            | "     | "        | "         | "                                    | "        | "       |       |
| n-Butylbenzene                          | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| sec-Butylbenzene                        | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| tert-Butylbenzene                       | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Carbon disulfide                        | ND     | 10.0            | "     | "        | "         | "                                    | "        | "       |       |
| Carbon tetrachloride                    | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Chlorobenzene                           | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Chloroethane                            | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Chloroform                              | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Chloromethane                           | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| 2-Chlorotoluene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 4-Chlorotoluene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dibromo-3-chloropropane             | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| Dibromochloromethane                    | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dibromoethane                       | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Dibromomethane                          | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichlorobenzene                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,3-Dichlorobenzene                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,4-Dichlorobenzene                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Dichlorodifluoromethane                 | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloroethane                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichloroethane                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloroethene                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| cis-1,2-Dichloroethene                  | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| trans-1,2-Dichloroethene                | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichloropropane                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,3-Dichloropropane                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 2,2-Dichloropropane                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloropropene                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| cis-1,3-Dichloropropene                 | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| trans-1,3-Dichloropropene               | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Ethylbenzene                            | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 3 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.1111 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

Reported:  
 10/30/02 14:25

**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

| Analyte                                 | Result | Reporting Limit | Units | Dilution | Method    | Prepared                             | Analyzed | Batch   | Notes |
|-----------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| W1 Boring B-1, North (P2J0591-01) Water |        |                 |       |          |           | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Hexachlorobutadiene                     | ND     | 2.00            | ug/l  | 1        | EPA 8260B | 10/21/02                             | 10/21/02 | 2100674 |       |
| 2-Hexanone                              | ND     | 10.0            | "     | "        | "         | "                                    | "        | "       |       |
| Isopropylbenzene                        | ND     | 2.00            | "     | "        | "         | "                                    | "        | "       |       |
| p-Isopropyltoluene                      | ND     | 2.00            | "     | "        | "         | "                                    | "        | "       |       |
| 4-Methyl-2-pentanone                    | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| Methyl tert-butyl ether                 | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Methylene chloride                      | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| Naphthalene                             | ND     | 2.00            | "     | "        | "         | "                                    | "        | "       |       |
| n-Propylbenzene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Styrene                                 | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1,1,2-Tetrachloroethane               | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1,2,2-Tetrachloroethane               | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Tetrachloroethene                       | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Toluene                                 | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2,3-Trichlorobenzene                  | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2,4-Trichlorobenzene                  | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1,1-Trichloroethane                   | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1,2-Trichloroethane                   | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Trichloroethene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Trichlorofluoromethane                  | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2,3-Trichloropropane                  | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2,4-Trimethylbenzene                  | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,3,5-Trimethylbenzene                  | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Vinyl chloride                          | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| o-Xylene                                | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| m,p-Xylene                              | ND     | 2.00            | "     | "        | "         | "                                    | "        | "       |       |
| Surr: 4-BFB                             | 101 %  | 84.5-124        |       |          |           |                                      |          |         |       |
| Surr: 1,2-DCA-d4                        | 105 %  | 77.9-123        |       |          |           |                                      |          |         |       |
| Surr: Dibromofluoromethane              | 104 %  | 83.5-119        |       |          |           |                                      |          |         |       |
| Surr: Toluene-d8                        | 106 %  | 84.1-116        |       |          |           |                                      |          |         |       |

North Creek Analytical - Portland

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

  
 Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 4 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11720 North Creek Pkwy N, Suite 400, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.908.9200 fax 503.908.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

| Analyte                                 | Result | Reporting Limit | Units | Dilution | Method    | Prepared                             | Analyzed | Batch   | Notes |
|-----------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| W2 Boring B-2, South (P2J0591-02) Water |        |                 |       |          |           | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Acetone                                 | ND     | 25.0            | ug/l  | 1        | EPA 8260B | 10/21/02                             | 10/21/02 | 2100674 |       |
| Benzene                                 | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromobenzene                            | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromochloromethane                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromodichloromethane                    | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromoform                               | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Bromomethane                            | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| 2-Butanone                              | ND     | 10.0            | "     | "        | "         | "                                    | "        | "       |       |
| n-Butylbenzene                          | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| sec-Butylbenzene                        | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| tert-Butylbenzene                       | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Carbon disulfide                        | ND     | 10.0            | "     | "        | "         | "                                    | "        | "       |       |
| Carbon tetrachloride                    | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Chlorobenzene                           | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Chloroethane                            | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Chloroform                              | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Chloromethane                           | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| 2-Chlorotoluene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 4-Chlorotoluene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dibromo-3-chloropropane             | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| Dibromochloromethane                    | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dibromoethane                       | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Dibromomethane                          | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichlorobenzene                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,3-Dichlorobenzene                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,4-Dichlorobenzene                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Dichlorodifluoromethane                 | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloroethane                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichloroethane                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloroethene                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| cis-1,2-Dichloroethene                  | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| trans-1,2-Dichloroethene                | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichloropropane                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,3-Dichloropropane                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 2,2-Dichloropropane                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloropropene                     | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| cis-1,3-Dichloropropene                 | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| trans-1,3-Dichloropropene               | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Ethylbenzene                            | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |

North Creek Analytical - Portland

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

R

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 5 of 17



Seattle 11720 N. Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.3200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

| Analyte                                        | Result | Reporting Limit | Units | Dilution | Method    | Prepared                             | Analyzed | Batch   | Notes |
|------------------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| <b>W2 Boring B-2, South (P2J0591-02) Water</b> |        |                 |       |          |           | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Hexachlorobutadiene                            | ND     | 2.00            | ug/l  | 1        | EPA 8260B | 10/21/02                             | 10/21/02 | 2100674 |       |
| 2-Hexanone                                     | ND     | 10.0            | "     | "        | "         | "                                    | "        | "       |       |
| Isopropylbenzene                               | ND     | 2.00            | "     | "        | "         | "                                    | "        | "       |       |
| p-Isopropyltoluene                             | ND     | 2.00            | "     | "        | "         | "                                    | "        | "       |       |
| 4-Methyl-2-pentanone                           | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| Methyl tert-butyl ether                        | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Methylene chloride                             | ND     | 5.00            | "     | "        | "         | "                                    | "        | "       |       |
| Naphthalene                                    | ND     | 2.00            | "     | "        | "         | "                                    | "        | "       |       |
| n-Propylbenzene                                | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Styrene                                        | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1,1,2-Tetrachloroethane                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1,2,2-Tetrachloroethane                      | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Tetrachloroethene                              | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Toluene                                        | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2,3-Trichlorobenzene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2,4-Trichlorobenzene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1,1-Trichloroethane                          | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,1,2-Trichloroethane                          | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Trichloroethene                                | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Trichlorofluoromethane                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2,3-Trichloropropane                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,2,4-Trimethylbenzene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| 1,3,5-Trimethylbenzene                         | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| Vinyl chloride                                 | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| o-Xylene                                       | ND     | 1.00            | "     | "        | "         | "                                    | "        | "       |       |
| m,p-Xylene                                     | ND     | 2.00            | "     | "        | "         | "                                    | "        | "       |       |
| Surr: 4-BFB                                    | 103 %  | 84.5-124        |       |          |           |                                      |          |         |       |
| Surr: 1,2-DCA-d4                               | 106 %  | 77.9-123        |       |          |           |                                      |          |         |       |
| Surr: Dibromofluoromethane                     | 104 %  | 83.5-119        |       |          |           |                                      |          |         |       |
| Surr: Toluene-d8                               | 106 %  | 84.1-116        |       |          |           |                                      |          |         |       |

North Creek Analytical - Portland

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

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 6 of 17



Seattle 11720 N. Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9210 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

**Polynuclear Aromatic Compounds per EPA 8270M-SIM**  
**North Creek Analytical - Portland**

| Analyte                                        | Result | Reporting Limit | Units | Dilution | Method    | Prepared                             | Analyzed | Batch   | Notes |
|------------------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| <b>W1 Boring B-1, North (P2J0591-01) Water</b> |        |                 |       |          |           | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Acenaphthene                                   | ND     | 0.100           | ug/l  | 1        | EPA 8270m | 10/23/02                             | 10/24/02 | 2100806 |       |
| Acenaphthylene                                 | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Anthracene                                     | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Benzo (a) anthracene                           | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Benzo (a) pyrene                               | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Benzo (b) fluoranthene                         | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Benzo (ghi) perylene                           | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Benzo (k) fluoranthene                         | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Chrysene                                       | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Dibenzo (a,h) anthracene                       | ND     | 0.200           | "     | "        | "         | "                                    | "        | "       |       |
| Fluoranthene                                   | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Fluorene                                       | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Indeno (1,2,3-cd) pyrene                       | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Naphthalene                                    | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Phenanthrene                                   | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Pyrene                                         | ND     | 0.100           | "     | "        | "         | "                                    | "        | "       |       |
| Surr: Fluorene-d10                             | 51.9 % | 25-125          |       |          |           |                                      |          |         |       |
| Surr: Pyrene-d10                               | 47.3 % | 23-150          |       |          |           |                                      |          |         |       |
| Surr: Benzo (a) pyrene-d12                     | 24.4 % | 10-125          |       |          |           |                                      |          |         |       |

**W2 Boring B-2, South (P2J0591-02) Water**

Sampled: 10/18/02 Received: 10/21/02

|                          |        |        |      |   |           |          |          |         |  |
|--------------------------|--------|--------|------|---|-----------|----------|----------|---------|--|
| Acenaphthene             | ND     | 0.100  | ug/l | 1 | EPA 8270m | 10/23/02 | 10/24/02 | 2100806 |  |
| Acenaphthylene           | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Anthracene               | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Benzo (a) anthracene     | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Benzo (a) pyrene         | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Benzo (b) fluoranthene   | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Benzo (ghi) perylene     | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Benzo (k) fluoranthene   | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Chrysene                 | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Dibenzo (a,h) anthracene | ND     | 0.200  | "    | " | "         | "        | "        | "       |  |
| Fluoranthene             | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Fluorene                 | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Indeno (1,2,3-cd) pyrene | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Naphthalene              | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Phenanthrene             | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Pyrene                   | ND     | 0.100  | "    | " | "         | "        | "        | "       |  |
| Surr: Fluorene-d10       | 54.0 % | 25-125 |      |   |           |          |          |         |  |

North Creek Analytical - Portland

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

R

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 7 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9210 fax 425.420.9210  
Spokane East 1111 W. Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7598

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

**Polynuclear Aromatic Compounds per EPA 8270M-SIM**  
**North Creek Analytical - Portland**

| Analyte                                        | Result | Reporting<br>Limit | Units | Dilution | Method | Prepared                             | Analyzed | Batch | Notes |
|------------------------------------------------|--------|--------------------|-------|----------|--------|--------------------------------------|----------|-------|-------|
| <b>W2 Boring B-2, South (P2J0591-02) Water</b> |        |                    |       |          |        | Sampled: 10/18/02 Received: 10/21/02 |          |       |       |
| Surr: Pyrene-d10                               | 57.0 % | 23-150             |       |          |        |                                      |          |       |       |
| Surr: Benzo (a) pyrene-d12                     | 38.6 % | 10-125             |       |          |        |                                      |          |       |       |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 8 of 17



Seattle 11720 N. Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9210 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.824.9200 fax 509.824.9230  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

**Percent Dry Weight (Solids) per Standard Methods**  
**North Creek Analytical - Portland**

| Analyte                                       | Result | Reporting<br>Limit | Units       | Dilution | Method                               | Prepared | Analyzed | Batch   | Notes |
|-----------------------------------------------|--------|--------------------|-------------|----------|--------------------------------------|----------|----------|---------|-------|
| <b>S1 Boring B-1, North (P2J0591-03) Soil</b> |        |                    |             |          | Sampled: 10/18/02 Received: 10/21/02 |          |          |         |       |
| % Solids                                      | 96.9   | 1.00               | % by Weight | 1        | NCA SOP                              | 10/21/02 | 10/22/02 | 2100684 |       |
| <b>S2 Boring B-2, South (P2J0591-04) Soil</b> |        |                    |             |          | Sampled: 10/18/02 Received: 10/21/02 |          |          |         |       |
| % Solids                                      | 92.3   | 1.00               | % by Weight | 1        | NCA SOP                              | 10/21/02 | 10/22/02 | 2100684 |       |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 9 of 17





Seattle 11720 N. Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.1111 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.8200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K &amp; S Environmental

4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center

Project Number: 2479

Project Manager: Bill Knutson

Reported:

10/30/02 14:25

### Hydrocarbon Identification per NW-TPH Methodology - Quality Control

#### North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 2100675 - TPH-HCID Extraction

##### Blank (2100675-BLK1)

Prepared &amp; Analyzed: 10/21/02

|                              |     |      |       |      |  |      |        |  |  |  |
|------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Gasoline Range Hydrocarbons  | ND  | 20.0 | mg/kg |      |  |      |        |  |  |  |
| Diesel Range Hydrocarbons    | ND  | 50.0 | "     |      |  |      |        |  |  |  |
| Heavy Oil Range Hydrocarbons | ND  | 100  | "     |      |  |      |        |  |  |  |
| Surr: 1-Chlorooctadecane     | DET |      | "     | 9.60 |  | 89.1 | 50-150 |  |  |  |

##### Duplicate (2100675-DUP1)

Source: P2J0576-01

Prepared &amp; Analyzed: 10/21/02

|                              |     |      |           |      |     |      |        |      |    |      |
|------------------------------|-----|------|-----------|------|-----|------|--------|------|----|------|
| Gasoline Range Hydrocarbons  | ND  | 20.0 | mg/kg dry |      | ND  |      |        |      | 50 |      |
| Diesel Range Hydrocarbons    | DET | 50.0 | "         |      | DET |      |        | 63.7 | 50 | Q-14 |
| Heavy Oil Range Hydrocarbons | DET | 100  | "         |      | DET |      |        | 27.8 | 50 |      |
| Surr: 1-Chlorooctadecane     | DET |      | "         | 10.8 |     | 90.1 | 50-150 |      |    |      |

##### Duplicate (2100675-DUP2)

Source: P2J0576-02

Prepared &amp; Analyzed: 10/21/02

|                              |     |      |           |      |     |      |        |      |    |  |
|------------------------------|-----|------|-----------|------|-----|------|--------|------|----|--|
| Gasoline Range Hydrocarbons  | ND  | 20.0 | mg/kg dry |      | ND  |      |        |      | 50 |  |
| Diesel Range Hydrocarbons    | ND  | 50.0 | "         |      | ND  |      |        |      | 50 |  |
| Heavy Oil Range Hydrocarbons | DET | 100  | "         |      | DET |      |        | 19.9 | 50 |  |
| Surr: 1-Chlorooctadecane     | DET |      | "         | 10.7 |     | 87.7 | 50-150 |      |    |  |

North Creek Analytical - Portland

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

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 10 of 17



Seattle 11720 N. Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.392.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

### Volatile Organic Compounds per EPA Method 8260B - Quality Control

#### North Creek Analytical - Portland

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch 2100674 - EPA 5030B

##### Blank (2100674-BLK1)

Prepared & Analyzed: 10/21/02

|                             |    |      |      |
|-----------------------------|----|------|------|
| Acetone                     | ND | 25.0 | ug/l |
| Benzene                     | ND | 1.00 | "    |
| Bromobenzene                | ND | 1.00 | "    |
| Bromochloromethane          | ND | 1.00 | "    |
| Bromodichloromethane        | ND | 1.00 | "    |
| Bromoform                   | ND | 1.00 | "    |
| Bromomethane                | ND | 5.00 | "    |
| 2-Butanone                  | ND | 10.0 | "    |
| n-Butylbenzene              | ND | 5.00 | "    |
| sec-Butylbenzene            | ND | 1.00 | "    |
| tert-Butylbenzene           | ND | 1.00 | "    |
| Carbon disulfide            | ND | 10.0 | "    |
| Carbon tetrachloride        | ND | 1.00 | "    |
| Chlorobenzene               | ND | 1.00 | "    |
| Chloroethane                | ND | 1.00 | "    |
| Chloroform                  | ND | 1.00 | "    |
| Chloromethane               | ND | 5.00 | "    |
| 2-Chlorotoluene             | ND | 1.00 | "    |
| 4-Chlorotoluene             | ND | 1.00 | "    |
| 1,2-Dibromo-3-chloropropane | ND | 5.00 | "    |
| Dibromochloromethane        | ND | 1.00 | "    |
| 1,2-Dibromoethane           | ND | 1.00 | "    |
| Dibromomethane              | ND | 1.00 | "    |
| 1,2-Dichlorobenzene         | ND | 1.00 | "    |
| 1,3-Dichlorobenzene         | ND | 1.00 | "    |
| 1,4-Dichlorobenzene         | ND | 1.00 | "    |
| Dichlorodifluoromethane     | ND | 5.00 | "    |
| 1,1-Dichloroethane          | ND | 1.00 | "    |
| 1,2-Dichloroethane          | ND | 1.00 | "    |
| 1,1-Dichloroethene          | ND | 1.00 | "    |
| cis-1,2-Dichloroethene      | ND | 1.00 | "    |
| trans-1,2-Dichloroethene    | ND | 1.00 | "    |
| 1,2-Dichloropropane         | ND | 1.00 | "    |
| 1,3-Dichloropropane         | ND | 1.00 | "    |
| 2,2-Dichloropropane         | ND | 1.00 | "    |
| 1,1-Dichloropropene         | ND | 1.00 | "    |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 11 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.1111 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

### Volatile Organic Compounds per EPA Method 8260B - Quality Control

#### North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 2100674 - EPA 5030B

##### Blank (2100674-BLK1)

Prepared & Analyzed: 10/21/02

|                            |      |      |      |      |  |     |          |  |  |  |
|----------------------------|------|------|------|------|--|-----|----------|--|--|--|
| cis-1,3-Dichloropropene    | ND   | 1.00 | ug/l |      |  |     |          |  |  |  |
| trans-1,3-Dichloropropene  | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Ethylbenzene               | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Hexachlorobutadiene        | ND   | 2.00 | "    |      |  |     |          |  |  |  |
| 2-Hexanone                 | ND   | 10.0 | "    |      |  |     |          |  |  |  |
| Isopropylbenzene           | ND   | 2.00 | "    |      |  |     |          |  |  |  |
| p-Isopropyltoluene         | ND   | 2.00 | "    |      |  |     |          |  |  |  |
| 4-Methyl-2-pentanone       | ND   | 5.00 | "    |      |  |     |          |  |  |  |
| Methyl tert-butyl ether    | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Methylene chloride         | ND   | 5.00 | "    |      |  |     |          |  |  |  |
| Naphthalene                | ND   | 2.00 | "    |      |  |     |          |  |  |  |
| n-Propylbenzene            | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Styrene                    | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,1,1,2-Tetrachloroethane  | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,1,2,2-Tetrachloroethane  | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Tetrachloroethene          | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Toluene                    | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,2,3-Trichlorobenzene     | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,2,4-Trichlorobenzene     | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,1,1-Trichloroethane      | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,1,2-Trichloroethane      | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Trichloroethene            | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Trichlorofluoromethane     | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,2,3-Trichloropropane     | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,2,4-Trimethylbenzene     | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| 1,3,5-Trimethylbenzene     | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| Vinyl chloride             | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| o-Xylene                   | ND   | 1.00 | "    |      |  |     |          |  |  |  |
| m,p-Xylene                 | ND   | 2.00 | "    |      |  |     |          |  |  |  |
| Surr: 4-BFB                | 21.0 |      | "    | 20.0 |  | 105 | 84.5-124 |  |  |  |
| Surr: 1,2-DCA-d4           | 21.7 |      | "    | 20.0 |  | 108 | 77.9-123 |  |  |  |
| Surr: Dibromofluoromethane | 21.4 |      | "    | 20.0 |  | 107 | 83.5-119 |  |  |  |
| Surr: Toluene-d8           | 21.7 |      | "    | 20.0 |  | 108 | 84.1-116 |  |  |  |

North Creek Analytical - Portland

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

*PN*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 12 of 17



Seattle 11720 N. Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9210 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.908.9200 fax 503.908.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

Reported:  
 10/30/02 14:25

### Volatile Organic Compounds per EPA Method 8260B - Quality Control

### North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 2100674 - EPA 5030B

#### LCS (2100674-BS1)

Prepared & Analyzed: 10/21/02

|                            |      |      |      |      |  |      |          |  |  |  |
|----------------------------|------|------|------|------|--|------|----------|--|--|--|
| Benzene                    | 20.1 | 1.00 | ug/l | 20.0 |  | 100  | 80-125   |  |  |  |
| Chlorobenzene              | 20.9 | 1.00 | "    | 20.0 |  | 104  | 80-125   |  |  |  |
| 1,1-Dichloroethene         | 19.4 | 1.00 | "    | 20.0 |  | 97.0 | 70-135   |  |  |  |
| Toluene                    | 21.1 | 1.00 | "    | 20.0 |  | 106  | 80-125   |  |  |  |
| Trichloroethene            | 20.2 | 1.00 | "    | 20.0 |  | 101  | 70-130   |  |  |  |
| Surr: 4-BFB                | 21.3 |      | "    | 20.0 |  | 106  | 84.5-124 |  |  |  |
| Surr: 1,2-DCA-d4           | 20.0 |      | "    | 20.0 |  | 100  | 77.9-123 |  |  |  |
| Surr: Dibromofluoromethane | 19.5 |      | "    | 20.0 |  | 97.5 | 83.5-119 |  |  |  |
| Surr: Toluene-d8           | 23.1 |      | "    | 20.0 |  | 116  | 84.1-116 |  |  |  |

#### Matrix Spike (2100674-MS1)

Source: P2J0592-01

Prepared & Analyzed: 10/21/02

|                            |      |      |      |      |    |     |          |  |  |  |
|----------------------------|------|------|------|------|----|-----|----------|--|--|--|
| Benzene                    | 21.6 | 1.00 | ug/l | 20.0 | ND | 108 | 80-125   |  |  |  |
| Chlorobenzene              | 21.3 | 1.00 | "    | 20.0 | ND | 106 | 80-125   |  |  |  |
| 1,1-Dichloroethene         | 20.2 | 1.00 | "    | 20.0 | ND | 101 | 70-135   |  |  |  |
| Toluene                    | 22.0 | 1.00 | "    | 20.0 | ND | 108 | 80-125   |  |  |  |
| Trichloroethene            | 20.0 | 1.00 | "    | 20.0 | ND | 100 | 70-130   |  |  |  |
| Surr: 4-BFB                | 20.7 |      | "    | 20.0 |    | 104 | 84.5-124 |  |  |  |
| Surr: 1,2-DCA-d4           | 20.3 |      | "    | 20.0 |    | 102 | 77.9-123 |  |  |  |
| Surr: Dibromofluoromethane | 20.1 |      | "    | 20.0 |    | 100 | 83.5-119 |  |  |  |
| Surr: Toluene-d8           | 22.5 |      | "    | 20.0 |    | 112 | 84.1-116 |  |  |  |

#### Matrix Spike Dup (2100674-MSD1)

Source: P2J0592-01

Prepared & Analyzed: 10/21/02

|                            |      |      |      |      |    |      |          |       |    |  |
|----------------------------|------|------|------|------|----|------|----------|-------|----|--|
| Benzene                    | 21.0 | 1.00 | ug/l | 20.0 | ND | 105  | 80-125   | 2.82  | 25 |  |
| Chlorobenzene              | 21.2 | 1.00 | "    | 20.0 | ND | 106  | 80-125   | 0.471 | 25 |  |
| 1,1-Dichloroethene         | 20.0 | 1.00 | "    | 20.0 | ND | 100  | 70-135   | 0.995 | 25 |  |
| Toluene                    | 21.8 | 1.00 | "    | 20.0 | ND | 107  | 80-125   | 0.913 | 25 |  |
| Trichloroethene            | 19.6 | 1.00 | "    | 20.0 | ND | 98.0 | 70-130   | 2.02  | 25 |  |
| Surr: 4-BFB                | 20.9 |      | "    | 20.0 |    | 104  | 84.5-124 |       |    |  |
| Surr: 1,2-DCA-d4           | 20.3 |      | "    | 20.0 |    | 102  | 77.9-123 |       |    |  |
| Surr: Dibromofluoromethane | 20.3 |      | "    | 20.0 |    | 102  | 83.5-119 |       |    |  |
| Surr: Toluene-d8           | 22.4 |      | "    | 20.0 |    | 112  | 84.1-116 |       |    |  |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 13 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 1117 S. Montgomery, Suite B, Spokane, WA 99208-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

**Polynuclear Aromatic Compounds per EPA 8270M-SIM - Quality Control**

**North Creek Analytical - Portland**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 2100806 - EPA 3510/600 Series**

**Blank (2100806-BLK1)**

Prepared: 10/23/02 Analyzed: 10/24/02

|                            |      |       |      |      |  |      |        |  |  |  |
|----------------------------|------|-------|------|------|--|------|--------|--|--|--|
| Acenaphthene               | ND   | 0.100 | ug/l |      |  |      |        |  |  |  |
| Acenaphthylene             | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Anthracene                 | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Benzo (a) anthracene       | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Benzo (a) pyrene           | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Benzo (b) fluoranthene     | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Benzo (ghi) perylene       | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Benzo (k) fluoranthene     | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Chrysene                   | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Dibenzo (a,h) anthracene   | ND   | 0.200 | "    |      |  |      |        |  |  |  |
| Fluoranthene               | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Fluorene                   | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Indeno (1,2,3-cd) pyrene   | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Naphthalene                | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Phenanthrene               | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Pyrene                     | ND   | 0.100 | "    |      |  |      |        |  |  |  |
| Surr: Fluorene-d10         | 1.70 |       | "    | 2.50 |  | 68.0 | 25-125 |  |  |  |
| Surr: Pyrene-d10           | 1.87 |       | "    | 2.50 |  | 74.8 | 23-150 |  |  |  |
| Surr: Benzo (a) pyrene-d12 | 1.52 |       | "    | 2.50 |  | 60.8 | 10-125 |  |  |  |

**LCS (2100806-BS1)**

Prepared: 10/23/02 Analyzed: 10/24/02

|                            |      |       |      |      |  |      |        |  |  |  |
|----------------------------|------|-------|------|------|--|------|--------|--|--|--|
| Acenaphthene               | 1.60 | 0.100 | ug/l | 2.50 |  | 64.0 | 26-135 |  |  |  |
| Benzo (a) pyrene           | 1.58 | 0.100 | "    | 2.50 |  | 63.2 | 38-137 |  |  |  |
| Pyrene                     | 1.88 | 0.100 | "    | 2.50 |  | 75.2 | 33-133 |  |  |  |
| Surr: Fluorene-d10         | 1.59 |       | "    | 2.50 |  | 63.6 | 25-125 |  |  |  |
| Surr: Pyrene-d10           | 1.79 |       | "    | 2.50 |  | 71.6 | 23-150 |  |  |  |
| Surr: Benzo (a) pyrene-d12 | 1.51 |       | "    | 2.50 |  | 60.4 | 10-125 |  |  |  |

North Creek Analytical - Portland

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

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 14 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9210 fax 425.420.9210  
Spokane East 1111 W. Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

**Polynuclear Aromatic Compounds per EPA 8270M-SIM - Quality Control**

**North Creek Analytical - Portland**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch 2100806 - EPA 3510/600 Series**

**LCS Dup (2100806-BSD1)**

Prepared: 10/23/02 Analyzed: 10/24/02

|                            |      |       |      |      |      |        |      |    |  |
|----------------------------|------|-------|------|------|------|--------|------|----|--|
| Acenaphthene               | 1.81 | 0.100 | ug/l | 2.50 | 72.4 | 26-135 | 12.3 | 60 |  |
| Benzo (a) pyrene           | 1.65 | 0.100 | "    | 2.50 | 66.0 | 38-137 | 4.33 | 60 |  |
| Pyrene                     | 2.01 | 0.100 | "    | 2.50 | 80.4 | 33-133 | 6.68 | 60 |  |
| Surr: Fluorene-d10         | 1.77 |       | "    | 2.50 | 70.8 | 25-125 |      |    |  |
| Surr: Pyrene-d10           | 1.91 |       | "    | 2.50 | 76.4 | 23-130 |      |    |  |
| Surr: Benzo (a) pyrene-d12 | 1.57 |       | "    | 2.50 | 62.8 | 10-125 |      |    |  |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 15 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

Reported:  
 10/30/02 14:25

**Percent Dry Weight (Solids) per Standard Methods - Quality Control**

**North Creek Analytical - Portland**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 2100684 - Dry Weight**

|                                 |      |                           |  |                           |      |                           |  |       |    |  |
|---------------------------------|------|---------------------------|--|---------------------------|------|---------------------------|--|-------|----|--|
| <b>Duplicate (2100684-DUP1)</b> |      | <b>Source: P2J0490-01</b> |  | <b>Prepared: 10/21/02</b> |      | <b>Analyzed: 10/22/02</b> |  |       |    |  |
| % Solids                        | 93.9 | 1.00 % by Weight          |  |                           | 94.0 |                           |  | 0.106 | 20 |  |
| <b>Duplicate (2100684-DUP2)</b> |      | <b>Source: P2J0532-01</b> |  | <b>Prepared: 10/21/02</b> |      | <b>Analyzed: 10/22/02</b> |  |       |    |  |
| % Solids                        | 91.1 | 1.00 % by Weight          |  |                           | 91.0 |                           |  | 0.110 | 20 |  |

North Creek Analytical - Portland

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

  
 Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 16 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9210 fax 425.420.9210  
Spokane East 1111 Montgomery, Suite B, Spokane, WA 99208-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7598

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:25

#### Notes and Definitions

- Q-14 The Spike Recovery and/or RPD is outside of control limits due to a non-homogeneous sample matrix.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
- wet Sample results reported on a wet weight basis (as received)
- RPD Relative Percent Difference

North Creek Analytical - Portland

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

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 17 of 17



P2J0589

[illegible]



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9210 fax 425.420.9210  
**Spokane** East 11th & Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

30 October, 2002

Bill Knutson  
K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

RE: Gary's Service Center

Enclosed are the results of analyses for samples received by the laboratory on 10/21/02 07:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
Philip Nerenberg  
Laboratory Manager

Work Orders included in this report:

**P2J0589**

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 1111 Montgomery, Suite B, Spokane, WA 99208-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:44

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| D1        | P2J0589-01    | Soil   | 10/18/02 12:00 | 10/21/02 07:30 |

North Creek Analytical - Portland

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

Philip Nerenberg, Laboratory Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 1 of 15



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:44

**Hydrocarbon Identification per NW-TPH Methodology**  
**North Creek Analytical - Portland**

| Analyte                      | Result | Reporting<br>Limit | Units     | Dilution | Method     | Prepared                             | Analyzed | Batch   | Notes |
|------------------------------|--------|--------------------|-----------|----------|------------|--------------------------------------|----------|---------|-------|
| <b>D1 (P2J0589-01) Soil</b>  |        |                    |           |          |            | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Gasoline Range Hydrocarbons  | ND     | 20.0               | mg/kg dry | 1        | NWTPH HCID | 10/21/02                             | 10/21/02 | 2100675 |       |
| Diesel Range Hydrocarbons    | ND     | 50.0               | "         | "        | "          | "                                    | "        | "       |       |
| Heavy Oil Range Hydrocarbons | DET    | 100                | "         | "        | "          | "                                    | "        | "       |       |
| Surr: 1-Chlorooctadecane     | 76.5 % | 50-150             |           |          |            |                                      |          |         |       |

North Creek Analytical - Portland

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

  
Philip Nerenberg, Laboratory Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 2 of 15



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 E. Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:44

**Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method**  
**North Creek Analytical - Portland**

| Analyte                      | Result | Reporting<br>Limit | Units     | Dilution | Method   | Prepared                             | Analyzed | Batch   | Notes |
|------------------------------|--------|--------------------|-----------|----------|----------|--------------------------------------|----------|---------|-------|
| <b>D1 (P2J0589-01) Soil</b>  |        |                    |           |          |          | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Diesel Range Organics        | ND     | 500                | mg/kg dry | 20       | NWTPH-Dx | 10/25/02                             | 10/25/02 | 2100886 | R-05  |
| Heavy Oil Range Hydrocarbons | 13100  | 1000               | "         | "        | "        | "                                    | "        | "       |       |
| Surr: 1-Chlorooctadecane     | NR     | 50-150             |           |          |          |                                      |          |         | S-01  |

North Creek Analytical - Portland

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

Philip Nerenberg, Laboratory Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 3 of 15



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8294  
425.420.9200 fax 425.420.9210  
Spokane East 1111 Montgomery, Suite B, Spokane, WA 99208-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:44

**TCLP Metals per EPA 1311/6000/7000 Series Methods**  
**North Creek Analytical - Portland**

| Analyte                     | Result | Reporting<br>Limit | Units | Dilution | Method    | Prepared                             | Analyzed | Batch   | Notes |
|-----------------------------|--------|--------------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| <b>D1 (P2J0589-01) Soil</b> |        |                    |       |          |           | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Cadmium                     | ND     | 0.100              | mg/l  | 20       | 1311/6020 | 10/23/02                             | 10/28/02 | 2100948 |       |
| Chromium                    | ND     | 0.100              | "     | "        | "         | "                                    | "        | "       |       |
| Lead                        | 0.495  | 0.100              | "     | "        | "         | "                                    | "        | "       |       |

North Creek Analytical - Portland

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

Philip Nerenberg, Laboratory Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 4 of 15

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

 Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

 Reported:  
 10/30/02 14:44

### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

| Analyte                     | Result | Reporting Limit | Units     | Dilution | Method    | Prepared                             | Analyzed | Batch   | Notes |
|-----------------------------|--------|-----------------|-----------|----------|-----------|--------------------------------------|----------|---------|-------|
| <b>D1 (P2J0589-01) Soil</b> |        |                 |           |          |           | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Acetone                     | ND     | 2500            | ug/kg dry | 1        | EPA 8260B | 10/23/02                             | 10/24/02 | 2100805 |       |
| Benzene                     | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Bromobenzene                | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Bromochloromethane          | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Bromodichloromethane        | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Bromoform                   | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Bromomethane                | ND     | 500             | "         | "        | "         | "                                    | "        | "       |       |
| 2-Butanone                  | ND     | 1000            | "         | "        | "         | "                                    | "        | "       |       |
| n-Butylbenzene              | ND     | 500             | "         | "        | "         | "                                    | "        | "       |       |
| sec-Butylbenzene            | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| tert-Butylbenzene           | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Carbon disulfide            | ND     | 1000            | "         | "        | "         | "                                    | "        | "       |       |
| Carbon tetrachloride        | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Chlorobenzene               | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Chloroethane                | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Chloroform                  | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Chloromethane               | ND     | 500             | "         | "        | "         | "                                    | "        | "       |       |
| 2-Chlorotoluene             | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 4-Chlorotoluene             | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2-Dibromo-3-chloropropane | ND     | 500             | "         | "        | "         | "                                    | "        | "       |       |
| Dibromochloromethane        | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2-Dibromoethane           | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Dibromomethane              | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichlorobenzene         | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,3-Dichlorobenzene         | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,4-Dichlorobenzene         | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Dichlorodifluoromethane     | ND     | 500             | "         | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloroethane          | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichloroethane          | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloroethene          | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| cis-1,2-Dichloroethene      | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| trans-1,2-Dichloroethene    | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2-Dichloropropane         | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,3-Dichloropropane         | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 2,2-Dichloropropane         | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,1-Dichloropropene         | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| cis-1,3-Dichloropropene     | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| trans-1,3-Dichloropropene   | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Ethylbenzene                | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |

North Creek Analytical - Portland

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

  
 Philip Nerenberg, Laboratory Manager

 North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 5 of 15

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

 Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

 Reported:  
 10/30/02 14:44

### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

| Analyte                     | Result | Reporting Limit | Units     | Dilution | Method    | Prepared                             | Analyzed | Batch   | Notes |
|-----------------------------|--------|-----------------|-----------|----------|-----------|--------------------------------------|----------|---------|-------|
| <b>D1 (P2J0589-01) Soil</b> |        |                 |           |          |           | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| Hexachlorobutadiene         | ND     | 200             | ug/kg dry | 1        | EPA 8260B | 10/23/02                             | 10/24/02 | 2100805 |       |
| 2-Hexanone                  | ND     | 1000            | "         | "        | "         | "                                    | "        | "       |       |
| Isopropylbenzene            | ND     | 200             | "         | "        | "         | "                                    | "        | "       |       |
| p-Isopropyltoluene          | ND     | 200             | "         | "        | "         | "                                    | "        | "       |       |
| 4-Methyl-2-pentanone        | ND     | 500             | "         | "        | "         | "                                    | "        | "       |       |
| Methyl tert-butyl ether     | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Methylene chloride          | ND     | 500             | "         | "        | "         | "                                    | "        | "       |       |
| Naphthalene                 | ND     | 200             | "         | "        | "         | "                                    | "        | "       |       |
| n-Propylbenzene             | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Styrene                     | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,1,1,2-Tetrachloroethane   | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Tetrachloroethene           | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Toluene                     | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2,3-Trichlorobenzene      | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2,4-Trichlorobenzene      | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,1,1-Trichloroethane       | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,1,2-Trichloroethane       | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Trichloroethene             | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Trichlorofluoromethane      | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2,3-Trichloropropane      | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,2,4-Trimethylbenzene      | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| 1,3,5-Trimethylbenzene      | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| Vinyl chloride              | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| o-Xylene                    | ND     | 100             | "         | "        | "         | "                                    | "        | "       |       |
| m,p-Xylene                  | ND     | 200             | "         | "        | "         | "                                    | "        | "       |       |
| Surr: 4-BFB                 | 89.8 % | 65.4-143        |           |          |           |                                      |          |         |       |
| Surr: 1,2-DCA-d4            | 93.6 % | 77.7-144        |           |          |           |                                      |          |         |       |
| Surr: Dibromofluoromethane  | 91.1 % | 66.5-131        |           |          |           |                                      |          |         |       |
| Surr: Toluene-d8            | 95.3 % | 77.5-143        |           |          |           |                                      |          |         |       |

North Creek Analytical - Portland

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



Philip Nerenberg, Laboratory Manager

 North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 6 of 15





Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:44

**Percent Dry Weight (Solids) per Standard Methods**  
**North Creek Analytical - Portland**

| Analyte              | Result | Reporting<br>Limit | Units       | Dilution | Method  | Prepared                             | Analyzed | Batch   | Notes |
|----------------------|--------|--------------------|-------------|----------|---------|--------------------------------------|----------|---------|-------|
| D1 (P2J0589-01) Soil |        |                    |             |          |         | Sampled: 10/18/02 Received: 10/21/02 |          |         |       |
| % Solids             | 84.9   | 1.00               | % by Weight | 1        | NCA SOP | 10/21/02                             | 10/22/02 | 2100684 |       |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 7 of 15

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

 Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

 Reported:  
 10/30/02 14:44

### Hydrocarbon Identification per NW-TPH Methodology - Quality Control

#### North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 2100675 - TPH-HCID Extraction

##### Blank (2100675-BLK1)

Prepared &amp; Analyzed: 10/21/02

|                              |     |      |       |      |  |      |        |  |  |  |
|------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Gasoline Range Hydrocarbons  | ND  | 20.0 | mg/kg |      |  |      |        |  |  |  |
| Diesel Range Hydrocarbons    | ND  | 50.0 | "     |      |  |      |        |  |  |  |
| Heavy Oil Range Hydrocarbons | ND  | 100  | "     |      |  |      |        |  |  |  |
| Surr: 1-Chlorooctadecane     | DET |      | "     | 9.60 |  | 89.1 | 50-150 |  |  |  |

##### Duplicate (2100675-DUP1)

Source: P2J0576-01

Prepared &amp; Analyzed: 10/21/02

|                              |     |      |           |      |     |      |        |      |    |      |
|------------------------------|-----|------|-----------|------|-----|------|--------|------|----|------|
| Gasoline Range Hydrocarbons  | ND  | 20.0 | mg/kg dry |      | ND  |      |        |      | 50 |      |
| Diesel Range Hydrocarbons    | DET | 50.0 | "         |      | DET |      |        | 63.7 | 50 | Q-14 |
| Heavy Oil Range Hydrocarbons | DET | 100  | "         |      | DET |      |        | 27.8 | 50 |      |
| Surr: 1-Chlorooctadecane     | DET |      | "         | 10.8 |     | 90.1 | 50-150 |      |    |      |

##### Duplicate (2100675-DUP2)

Source: P2J0576-02

Prepared &amp; Analyzed: 10/21/02

|                              |     |      |           |      |     |      |        |      |    |  |
|------------------------------|-----|------|-----------|------|-----|------|--------|------|----|--|
| Gasoline Range Hydrocarbons  | ND  | 20.0 | mg/kg dry |      | ND  |      |        |      | 50 |  |
| Diesel Range Hydrocarbons    | ND  | 50.0 | "         |      | ND  |      |        |      | 50 |  |
| Heavy Oil Range Hydrocarbons | DET | 100  | "         |      | DET |      |        | 19.9 | 50 |  |
| Surr: 1-Chlorooctadecane     | DET |      | "         | 10.7 |     | 87.7 | 50-150 |      |    |  |

North Creek Analytical - Portland

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

  
 Philip Nerenberg, Laboratory Manager

 North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 8 of 15

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

 Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

 Reported:  
 10/30/02 14:44

**Diesel and Heavy Range Hydrocarbons per NW TPH By Method - Quality Control**
**North Creek Analytical - Portland**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 2100886 - EPA 3550 Fuels**
**Blank (2100886-BLK1)**

Prepared &amp; Analyzed: 10/25/02

|                              |      |      |       |      |  |      |        |  |  |  |
|------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel Range Organics        | ND   | 25.0 | mg/kg |      |  |      |        |  |  |  |
| Heavy Oil Range Hydrocarbons | ND   | 50.0 | "     |      |  |      |        |  |  |  |
| Surr: 1-Chlorooctadecane     | 3.80 |      | "     | 4.80 |  | 79.2 | 50-150 |  |  |  |

**LCS (2100886-BS1)**

Prepared &amp; Analyzed: 10/25/02

|                              |      |      |       |      |  |      |        |  |  |  |
|------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel Range Organics        | 106  | 25.0 | mg/kg | 125  |  | 84.8 | 50-150 |  |  |  |
| Heavy Oil Range Hydrocarbons | 70.1 | 50.0 | "     | 75.0 |  | 93.5 | 50-150 |  |  |  |
| Surr: 1-Chlorooctadecane     | 3.79 |      | "     | 4.80 |  | 79.0 | 50-150 |  |  |  |

**Duplicate (2100886-DUP1)**

Source: P2J0743-01

Prepared &amp; Analyzed: 10/25/02

|                              |      |      |           |      |  |      |        |  |  |  |
|------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Diesel Range Organics        | 35.8 | 25.0 | mg/kg dry | 34.9 |  | 2.55 | 50     |  |  |  |
| Heavy Oil Range Hydrocarbons | ND   | 50.0 | "         | ND   |  |      | 50     |  |  |  |
| Surr: 1-Chlorooctadecane     | 5.48 |      | "         | 5.90 |  | 92.9 | 50-150 |  |  |  |

**Duplicate (2100886-DUP2)**

Source: P2J0743-02

Prepared &amp; Analyzed: 10/25/02

|                              |      |      |           |      |  |      |        |  |  |  |
|------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Diesel Range Organics        | 59.2 | 25.0 | mg/kg dry | 47.8 |  | 21.3 | 50     |  |  |  |
| Heavy Oil Range Hydrocarbons | ND   | 50.0 | "         | ND   |  |      | 50     |  |  |  |
| Surr: 1-Chlorooctadecane     | 5.92 |      | "         | 5.85 |  | 101  | 50-150 |  |  |  |

North Creek Analytical - Portland

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



Philip Nerenberg, Laboratory Manager

 North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 9 of 15



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9220 fax 425.420.9210  
Spokane East 1111 Montgomery, Suite B, Spokane, WA 99205-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:44

**TCLP Metals per EPA 1311/6000/7000 Series Methods - Quality Control**

**North Creek Analytical - Portland**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch 2100948 - EPA 1311/3005**

**Blank (2100948-BLK1)**

Prepared: 10/23/02 Analyzed: 10/28/02

|          |    |       |      |  |  |  |  |  |  |  |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Cadmium  | ND | 0.100 | mg/l |  |  |  |  |  |  |  |
| Chromium | ND | 0.100 | "    |  |  |  |  |  |  |  |
| Lead     | ND | 0.100 | "    |  |  |  |  |  |  |  |

**LCS (2100948-BS1)**

Prepared: 10/23/02 Analyzed: 10/28/02

|          |      |       |      |      |  |     |        |  |  |  |
|----------|------|-------|------|------|--|-----|--------|--|--|--|
| Cadmium  | 1.19 | 0.100 | mg/l | 1.00 |  | 119 | 75-125 |  |  |  |
| Chromium | 5.85 | 0.100 | "    | 5.00 |  | 117 | 75-125 |  |  |  |
| Lead     | 5.89 | 0.100 | "    | 5.00 |  | 118 | 75-125 |  |  |  |

**Matrix Spike (2100948-MS1)**

Source: P2J0439-01

Prepared: 10/23/02 Analyzed: 10/28/02

|          |      |       |      |      |    |     |        |  |  |  |
|----------|------|-------|------|------|----|-----|--------|--|--|--|
| Cadmium  | 1.20 | 0.100 | mg/l | 1.00 | ND | 120 | 50-150 |  |  |  |
| Chromium | 5.76 | 0.100 | "    | 5.00 | ND | 115 | 50-150 |  |  |  |
| Lead     | 5.73 | 0.100 | "    | 5.00 | ND | 115 | 50-150 |  |  |  |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 10 of 15

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

 Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

 Reported:  
 10/30/02 14:44

**Volatile Organic Compounds per EPA Method 8260B - Quality Control**
**North Creek Analytical - Portland**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 2100805 - EPA 5035**
**Blank (2100805-BLK1)**

Prepared: 10/23/02 Analyzed: 10/24/02

|                             |    |      |       |
|-----------------------------|----|------|-------|
| Acetone                     | ND | 2500 | ug/kg |
| Benzene                     | ND | 100  | "     |
| Bromobenzene                | ND | 100  | "     |
| Bromochloromethane          | ND | 100  | "     |
| Bromodichloromethane        | ND | 100  | "     |
| Bromoform                   | ND | 100  | "     |
| Bromomethane                | ND | 500  | "     |
| 2-Butanone                  | ND | 1000 | "     |
| n-Butylbenzene              | ND | 500  | "     |
| sec-Butylbenzene            | ND | 100  | "     |
| tert-Butylbenzene           | ND | 100  | "     |
| Carbon disulfide            | ND | 1000 | "     |
| Carbon tetrachloride        | ND | 100  | "     |
| Chlorobenzene               | ND | 100  | "     |
| Chloroethane                | ND | 100  | "     |
| Chloroform                  | ND | 100  | "     |
| Chloromethane               | ND | 500  | "     |
| 2-Chlorotoluene             | ND | 100  | "     |
| 4-Chlorotoluene             | ND | 100  | "     |
| 1,2-Dibromo-3-chloropropane | ND | 500  | "     |
| Dibromochloromethane        | ND | 100  | "     |
| 1,2-Dibromoethane           | ND | 100  | "     |
| Dibromomethane              | ND | 100  | "     |
| 1,2-Dichlorobenzene         | ND | 100  | "     |
| 1,3-Dichlorobenzene         | ND | 100  | "     |
| 1,4-Dichlorobenzene         | ND | 100  | "     |
| Dichlorodifluoromethane     | ND | 500  | "     |
| 1,1-Dichloroethane          | ND | 100  | "     |
| 1,2-Dichloroethane          | ND | 100  | "     |
| 1,1-Dichloroethene          | ND | 100  | "     |
| cis-1,2-Dichloroethene      | ND | 100  | "     |
| trans-1,2-Dichloroethene    | ND | 100  | "     |
| 1,2-Dichloropropane         | ND | 100  | "     |
| 1,3-Dichloropropane         | ND | 100  | "     |
| 2,2-Dichloropropane         | ND | 100  | "     |
| 1,1-Dichloropropene         | ND | 100  | "     |

North Creek Analytical - Portland

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


Philip Nerenberg, Laboratory Manager

 North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 11 of 15

K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:44

**Volatile Organic Compounds per EPA Method 8260E - Quality Control**

**North Creek Analytical - Portland**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 2100805 - EPA 5035**

**Blank (2100805-BLK1)**

Prepared: 10/23/02 Analyzed: 10/24/02

|                            |      |      |       |      |  |     |          |  |  |  |
|----------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| cis-1,3-Dichloropropene    | ND   | 100  | ug/kg |      |  |     |          |  |  |  |
| trans-1,3-Dichloropropene  | ND   | 100  | "     |      |  |     |          |  |  |  |
| Ethylbenzene               | ND   | 100  | "     |      |  |     |          |  |  |  |
| Hexachlorobutadiene        | ND   | 200  | "     |      |  |     |          |  |  |  |
| 2-Hexanone                 | ND   | 1000 | "     |      |  |     |          |  |  |  |
| Isopropylbenzene           | ND   | 200  | "     |      |  |     |          |  |  |  |
| p-Isopropyltoluene         | ND   | 200  | "     |      |  |     |          |  |  |  |
| 4-Methyl-2-pentanone       | ND   | 500  | "     |      |  |     |          |  |  |  |
| Methyl tert-butyl ether    | ND   | 100  | "     |      |  |     |          |  |  |  |
| Methylene chloride         | ND   | 500  | "     |      |  |     |          |  |  |  |
| Naphthalene                | ND   | 200  | "     |      |  |     |          |  |  |  |
| n-Propylbenzene            | ND   | 100  | "     |      |  |     |          |  |  |  |
| Styrene                    | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,1,1,2-Tetrachloroethane  | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,1,2,2-Tetrachloroethane  | ND   | 100  | "     |      |  |     |          |  |  |  |
| Tetrachloroethene          | ND   | 100  | "     |      |  |     |          |  |  |  |
| Toluene                    | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,2,3-Trichlorobenzene     | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,2,4-Trichlorobenzene     | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,1,1-Trichloroethane      | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,1,2-Trichloroethane      | ND   | 100  | "     |      |  |     |          |  |  |  |
| Trichloroethene            | ND   | 100  | "     |      |  |     |          |  |  |  |
| Trichlorofluoromethane     | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,2,3-Trichloropropane     | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,2,4-Trimethylbenzene     | ND   | 100  | "     |      |  |     |          |  |  |  |
| 1,3,5-Trimethylbenzene     | ND   | 100  | "     |      |  |     |          |  |  |  |
| Vinyl chloride             | ND   | 100  | "     |      |  |     |          |  |  |  |
| o-Xylene                   | ND   | 100  | "     |      |  |     |          |  |  |  |
| m,p-Xylene                 | ND   | 200  | "     |      |  |     |          |  |  |  |
| Surr: 4-BFB                | 2140 |      | "     | 2000 |  | 107 | 65.4-143 |  |  |  |
| Surr: 1,2-DCA-d4           | 2160 |      | "     | 2000 |  | 108 | 77.7-144 |  |  |  |
| Surr: Dibromofluoromethane | 2130 |      | "     | 2000 |  | 106 | 66.5-131 |  |  |  |
| Surr: Toluene-d8           | 2290 |      | "     | 2000 |  | 114 | 77.5-143 |  |  |  |

North Creek Analytical - Portland

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

*R*

Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 12 of 15

K & S Environmental  
 4475 S.W. Scholls Ferry Road, Suite 256  
 Portland, OR 97225

 Project: Gary's Service Center  
 Project Number: 2479  
 Project Manager: Bill Knutson

 Reported:  
 10/30/02 14:44

**Volatile Organic Compounds per EPA Method 8260B - Quality Control**
**North Creek Analytical - Portland**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 2100805 - EPA 5035**
**LCS (2100805-BS1)**

Prepared &amp; Analyzed: 10/23/02

|                            |      |     |       |      |  |      |          |  |  |  |
|----------------------------|------|-----|-------|------|--|------|----------|--|--|--|
| Benzene                    | 2600 | 100 | ug/kg | 2500 |  | 104  | 81.9-120 |  |  |  |
| Chlorobenzene              | 2520 | 100 | "     | 2500 |  | 101  | 79.2-120 |  |  |  |
| 1,1-Dichloroethene         | 2490 | 100 | "     | 2500 |  | 99.6 | 66.1-120 |  |  |  |
| Toluene                    | 2580 | 100 | "     | 2500 |  | 103  | 80-120   |  |  |  |
| Trichloroethene            | 2400 | 100 | "     | 2500 |  | 96.0 | 76-120   |  |  |  |
| Surr: 4-BFB                | 2050 |     | "     | 2000 |  | 102  | 63.4-143 |  |  |  |
| Surr: 1,2-DCA-d4           | 2060 |     | "     | 2000 |  | 103  | 77.7-144 |  |  |  |
| Surr: Dibromofluoromethane | 2070 |     | "     | 2000 |  | 104  | 66.5-131 |  |  |  |
| Surr: Toluene-d8           | 2140 |     | "     | 2000 |  | 107  | 77.5-143 |  |  |  |

**Matrix Spike (2100805-MS1)**

Source: P2J0675-01

Prepared &amp; Analyzed: 10/23/02

|                            |      |     |           |      |    |      |          |  |  |  |
|----------------------------|------|-----|-----------|------|----|------|----------|--|--|--|
| Benzene                    | 2880 | 100 | ug/kg dry | 2850 | ND | 98.5 | 68.5-120 |  |  |  |
| Chlorobenzene              | 2740 | 100 | "         | 2850 | ND | 96.1 | 65.9-120 |  |  |  |
| 1,1-Dichloroethene         | 2640 | 100 | "         | 2850 | ND | 92.6 | 55.8-120 |  |  |  |
| Toluene                    | 2870 | 100 | "         | 2850 | ND | 97.7 | 70.3-120 |  |  |  |
| Trichloroethene            | 2660 | 100 | "         | 2850 | ND | 93.3 | 65.5-125 |  |  |  |
| Surr: 4-BFB                | 2250 |     | "         | 2280 |    | 98.7 | 65.4-143 |  |  |  |
| Surr: 1,2-DCA-d4           | 2200 |     | "         | 2280 |    | 96.5 | 77.7-144 |  |  |  |
| Surr: Dibromofluoromethane | 2200 |     | "         | 2280 |    | 96.5 | 66.5-131 |  |  |  |
| Surr: Toluene-d8           | 2300 |     | "         | 2280 |    | 101  | 77.5-143 |  |  |  |

**Matrix Spike Dup (2100805-MSD1)**

Source: P2J0675-01

Prepared &amp; Analyzed: 10/23/02

|                            |      |     |           |      |    |      |          |      |    |  |
|----------------------------|------|-----|-----------|------|----|------|----------|------|----|--|
| Benzene                    | 2770 | 100 | ug/kg dry | 2850 | ND | 94.7 | 68.5-120 | 3.89 | 25 |  |
| Chlorobenzene              | 2640 | 100 | "         | 2850 | ND | 92.6 | 65.9-120 | 3.72 | 25 |  |
| 1,1-Dichloroethene         | 2570 | 100 | "         | 2850 | ND | 90.2 | 55.8-120 | 2.69 | 25 |  |
| Toluene                    | 2780 | 100 | "         | 2850 | ND | 94.5 | 70.3-120 | 3.19 | 25 |  |
| Trichloroethene            | 2590 | 100 | "         | 2850 | ND | 90.9 | 65.5-125 | 2.67 | 25 |  |
| Surr: 4-BFB                | 2130 |     | "         | 2280 |    | 93.4 | 65.4-143 |      |    |  |
| Surr: 1,2-DCA-d4           | 2130 |     | "         | 2280 |    | 93.4 | 77.7-144 |      |    |  |
| Surr: Dibromofluoromethane | 2090 |     | "         | 2280 |    | 91.7 | 66.5-131 |      |    |  |
| Surr: Toluene-d8           | 2180 |     | "         | 2280 |    | 95.6 | 77.5-143 |      |    |  |

North Creek Analytical - Portland

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



Philip Nerenberg, Laboratory Manager

 North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 13 of 15



Spokane 425.420.9200 fax 425.420.9210  
East 11115 Montgomery, Suite B, Spokane, WA 99208-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Williams Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

|                                                                                      |                                                                                         |                             |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------|
| K & S Environmental<br>4475 S.W. Scholls Ferry Road, Suite 256<br>Portland, OR 97225 | Project: Gary's Service Center<br>Project Number: 2479<br>Project Manager: Bill Knutson | Reported:<br>10/30/02 14:44 |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------|

Percent Dry Weight (Solids) per Standard Methods - Quality Control

North Creek Analytical - Portland

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2100684 - Dry Weight

Duplicate (2100684-DUP1) Source: P2J0490-01 Prepared: 10/21/02 Analyzed: 10/22/02

|          |      |                  |  |      |  |       |    |
|----------|------|------------------|--|------|--|-------|----|
| % Solids | 93.9 | 1.00 % by Weight |  | 94.0 |  | 0.106 | 20 |
|----------|------|------------------|--|------|--|-------|----|

Duplicate (2100684-DUP2) Source: P2J0532-01 Prepared: 10/21/02 Analyzed: 10/22/02

|          |      |                  |  |      |  |       |    |
|----------|------|------------------|--|------|--|-------|----|
| % Solids | 91.1 | 1.00 % by Weight |  | 91.0 |  | 0.110 | 20 |
|----------|------|------------------|--|------|--|-------|----|

North Creek Analytical - Portland

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

R

Philip Naranjo



K & S Environmental  
4475 S.W. Scholls Ferry Road, Suite 256  
Portland, OR 97225

Project: Gary's Service Center  
Project Number: 2479  
Project Manager: Bill Knutson

Reported:  
10/30/02 14:44

#### Notes and Definitions

- Q-14 The Spike Recovery and/or RPD is outside of control limits due to a non-homogeneous sample matrix.
- R-05 Reporting limits raised due to dilution necessary for analysis. Sample contains high levels of reported analyte, non-target analyte, and/or matrix interference.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
- wet Sample results reported on a wet weight basis (as received)
- RPD Relative Percent Difference

North Creek Analytical - Portland

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



Philip Nerenberg, Laboratory Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

Page 15 of 15

TANK SLUDGE DISPOSAL  
FROM TANK #1

EXPIRES: 2/28/2000

PROFILE NUMBER: 99647

SPENCER ENVIRONMENTAL  
(503) 766-4612

## GENERATOR'S WASTE PROFILE QUESTIONNAIRE

## GENERATOR INFORMATION

Generator Name: Garys Canon Beach Service CTR  
 Site Address: 280 N Hemlock  
 City, State, Zip: Canon Beach, OR 97110  
 Generator Contact: Gary Moon  
 Title: President  
 Generator Phone#: 1-503-436-2280  
 Facility EPA#: 319

## CUSTOMER INFORMATION

Company Name: \_\_\_\_\_  
 Company Address: \_\_\_\_\_  
 Company City, State, Zip: \_\_\_\_\_  
 Company Contact: \_\_\_\_\_  
 Company Phone#: \_\_\_\_\_

## WASTE DESCRIPTION

General Waste Description: Used oil sludge  
 Process Generating Waste: Decommissioning a used oil tank  
 Is this Waste a "Hazardous Waste"? ☐ No ☒ Yes  
 (as defined by Federal, State or Local Regulations) One Time Disposal? ☐ Yes ☒ No

Waste Generation Rate: \_\_\_\_\_  
 Cubic Yards: \_\_\_\_\_  
 Drums: \_\_\_\_\_  
 Tons: \_\_\_\_\_  
 Gallons: 30  
 Per: \_\_\_\_\_  
 Day: ☐  
 Week: ☐  
 Month: ☐  
 Year: ☒  
 Waste will be transported in:  
 Roll-Off Boxes: ☐  
 Vacuum Truck: ☐  
 Drums (Type Size): 55 gal/oh

## CHEMICAL COMPOSITION AND OTHER INGREDIENTS

(State for each chemical. Total maximum column must be greater than or equal to 100%. NO TRADE NAMES

|                 | MINIMUM | MAXIMUM |
|-----------------|---------|---------|
| used oil        | 70 %    | 95 %    |
| Used oil sludge | 90 %    | 95 %    |
|                 |         |         |
|                 |         |         |
|                 |         |         |
|                 |         |         |

Physical State: Liquid ☒ Sludge ☒ Solid ☐  
 Odor: None ☐ Mild ☒ Strong ☐  
 Phases: Homogenous ☐ Bi-Layered ☒ Multi ☐  
 Water: <1% ☒ 1-5% ☐ 5-10% ☐  
 Ph: >2-6 ☐ 6-10 ☒ 10-12.5 ☐  
 Sludges: Soft Sludge ☒ Hard Sludge ☐ Debris ☐  
 Free Liquids Yes ☐ No ☒ % of Volume: <5 % ☐ 5-10% ☐ 10-15% ☐ 15-20% ☐ 20-25% ☐ 25-30% ☐ 30-35% ☐ 35-40% ☐ 40-45% ☐ 45-50% ☐ 50-55% ☐ 55-60% ☐ 60-65% ☐ 65-70% ☐ 70-75% ☐ 75-80% ☐ 80-85% ☐ 85-90% ☐ 90-95% ☐ 95-100% ☐  
 BTU's Per LB: >5,000 ☐ 5,000-10,000 ☐ 10,000-15,000 ☐ 15,000-20,000 ☐ 20,000-25,000 ☐ 25,000-30,000 ☐ 30,000-35,000 ☐ 35,000-40,000 ☐ 40,000-45,000 ☐ 45,000-50,000 ☐ 50,000-55,000 ☐ 55,000-60,000 ☐ 60,000-65,000 ☐ 65,000-70,000 ☐ 70,000-75,000 ☐ 75,000-80,000 ☐ 80,000-85,000 ☐ 85,000-90,000 ☐ 90,000-95,000 ☐ 95,000-100,000 ☐  
 Color: black

Notes, Additional Information or Special Handling Instructions: This waste will be disposed of @ Spencer Environmental's plant where it will be stabilized and burned for energy

## CERTIFICATION

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Waste Product Questionnaire.

DEQ FILE # 04-99-1403

Generator's Signature: Gary MoonName (Type or Print): GARY MOONTitle: PresidentDate: 12-29-99

APPROVAL: Spencer Environmental

Date: \_\_\_\_\_

1102860

Hillsboro Landfill, Inc.  
3205 SE Minter Bridge, Hillsboro 97123  
Consumer Comments? We want to know!  
PLEASE phone: 503-640-9427

TICKET: 508257  
DATE: 11/18/2002  
TIME: 10:23 - 10:34

CUSTOMER: 5151605 / K & S ENVIRONMENTAL  
GENERATOR: GARY'S / GARY'S CANNON BPROFILE #: 6444  
SOURCE: CLAT / Clatsop  
TRUCK: 150 BIN: LICENSE:  
HAULER: SELFHLD / HAULED IN BY CUS MANIFEST: DOUG KNUTSEN.  
COMMENT:

P.O.:  
GROSS: 8500 LBS  
TARE: 7940 LBS  
NET: 560 LBS

| COMMODITY              | UNIT | QNTY |
|------------------------|------|------|
| PCSOUT / CONTAM. SOILS | - T  | 0.28 |

IN OPERATOR: Tracy

OUT OPERATOR: Tracy

DRIVER:

*Bruce Jones*

# Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

## PERMIT # 6444

### PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

EXPIRES: 2/11/03

**GENERATOR: GARY'S CANNON BEACH SERVICE CENTER**

|                                                  |                                        |                                            |
|--------------------------------------------------|----------------------------------------|--------------------------------------------|
| DESCRIPTION: PCS - WASTE OIL                     |                                        | TONS: <1                                   |
| <input type="checkbox"/> SPECIAL WASTE           | <input checked="" type="checkbox"/> CS | <input type="checkbox"/> CLEAN-UP MATERIAL |
| LOCATION: CANNON BEACH, OREGON<br>280 N. HEMLOCK |                                        | COUNTY: * Clatsop - not in metro           |
| CONTACT: BILL KNUTSON                            |                                        | PHONE: 503-291-1454                        |
|                                                  |                                        | FAX: 503-291-5425                          |

|                                                                                    |          |           |
|------------------------------------------------------------------------------------|----------|-----------|
| BILLING: Landfill account K&S ENVIRONMENTAL                                        | PO#: N/A | JOB#: N/A |
| We accept business checks, cash, VISA / Mastercard or charge (with prior approval) |          |           |

SPECIAL HANDLING : NONE:  
HAULER: ?

APPROVED:



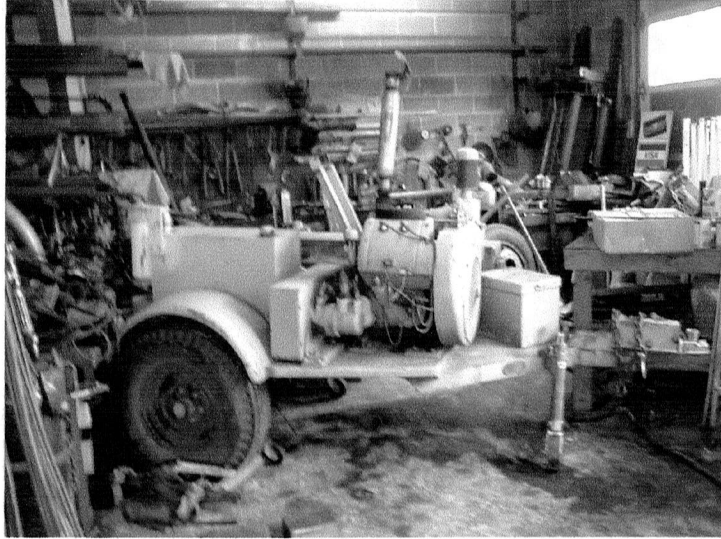
KRISTIN CASTNER

DATE: 11/11/02 8:53:02 AM

**A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER**  
THERE IS A MINIMUM CHARGE OF \$50-\$60 FOR EACH LOAD OF SPECIAL WASTE



**WASTE MANAGEMENT**  
**HAZARDOUS WASTE IS STRICTLY PROHIBITED**



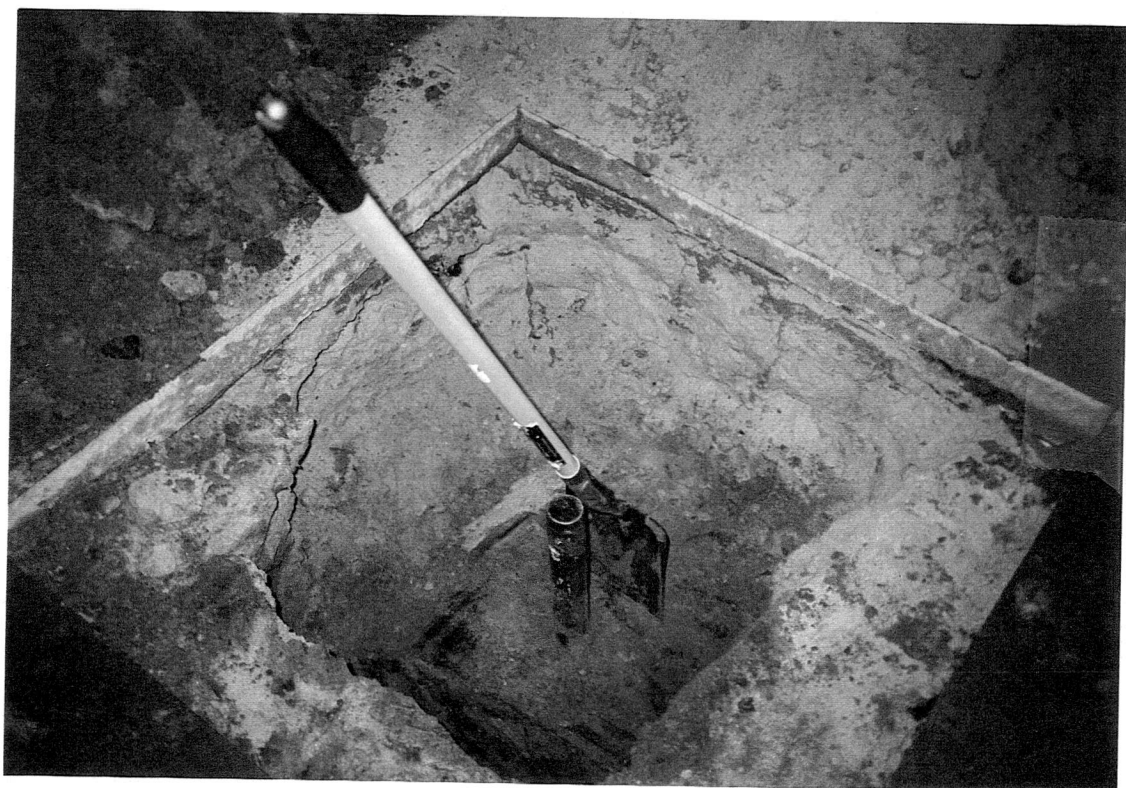
Gary's- UST Area.jpg  
10/18/02



Gary's- South Boring.jpg  
10/18/02

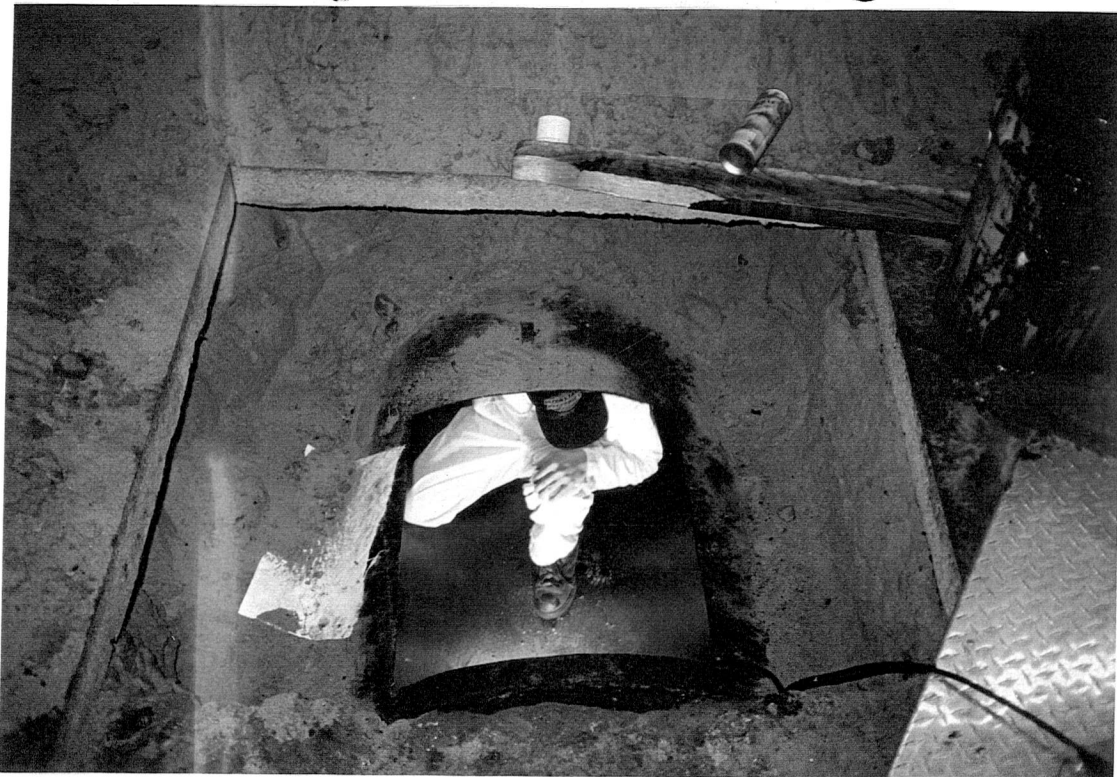


Beginning 1999 w/o UST Decommissioning



North End of 500 Gallon w/o UST





Cleaning of 500 Gallon w/o UST



500 Gallon w/o UST Filled w/ Sand

# UST CLEANUP TELEPHONE USE REPORT

CALL FROM/TO:

Bill Kuntson

DATE:

10/25/02

WITH:

K+S ENV.

TIME:

9:14

TELEPHONE NO:

(503) 291-1454

REGARDING:

Gary's Cannon Beach Sewer

FILE NO:

29-99-1403

## SUMMARY OF CALL

Bill called to give me an update on the ~~test~~ results of his investigation. Soil samples came back as N/D. VOC's for water samples came back N/D. Still waiting for PATT's should receive in the next few days. Will sample drummed PCS from W/O Cleanup still on site. Plan to characterize & take to Hillsboro landfill ~~next~~ next month. Got receipt for Sludge & product waste sent to Spencer Environ. Will prepare & submit report around the end of November, 02.

*L. Leppalusto*  
Staff Signature





# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

October 4, 2002

GARY MOON  
GARY'S CANNON BEACH SERVICE  
PO BOX 428  
CANNON BEACH OREGON 97110

Re: Facility #319  
DEQ Log #04-99-1403  
Gary's Cannon Beach Service

The Department of Environmental Quality (DEQ) has reviewed the proposed sampling plan submitted on October 29, 2001, by K&S Environmental, Inc. for the facility located at 280 N Hemlock in Cannon Beach, Oregon.

1. The sample plan indicated one water sample will be collected from the fill end. The DEQ is requiring an additional water sample to be collected from the vent side of the UST based on the laboratory results, which indicated 15,900 parts per million of lube oil was present prior to soil removal at that end of the tank.

The following information is also required and has not been submitted to date.

- Receipts for disposal of product, sludges & residues removed from the UST.
- The depth of the UST left in place and how this was determined.
- A map drawn to scale with depth and location of all sampling points from the initial sampling.
- Receipts for the disposal of contaminated soil.

We appreciate your efforts to comply with the regulations. If you have any questions, please call me at (503) 229-5472.

Sincerely,

Tina Leppaluoto  
UST Cleanup Specialist

cc: K&S Environmental Inc.  
4475 SW Scholls Ferry Road, #258  
Portland Oregon 97225



UST CLEANUP TELEPHONE USE REPORT

CALL FROM (TO): Bill Knudsen DATE: 10/03/02  
WITH: K&S ENV. TIME: \_\_\_\_\_  
TELEPHONE NO: (503) 291-1454  
REGARDING: Gary's Service Center  
FILE NO: 04-99-1403

SUMMARY OF CALL

Bill & went through workplan & Greg Travis Oct 11, 01 letter re: sampling methods & locations & depths. No site map was submitted to show proposed sample locations. This is to show & match up where previous samples were collected & to ensure contamination on fill and is being collected. The depth sample in that location showed 15,900 no confirmatory <sup>sampling</sup> was done. I also asked Bill to see if Gary has any disposal receipts for waste & product pumped & cleaned from UST. Once map is final discuss w/ Greg to approve for work to begin. 10 samples to be collected at HCRD - 4 Section quantities for Wastewater Constituents. Collect 2 water samples from same locations sample for by HCRD & waste oil ~~constituents~~ constituents. Will send letter to Ref for additional 6 water sample from west end of UST & to submit receipts & map from previous sample locations & depths. See letter L. Leppolus  
Dated Oct 4, 02  
For additional info requested

Staff Signature



4475 SW Scholls Ferry Rd., #256 ▲ Portland, OR 97225  
(503) 291-1454 ▲ Fax 291-5425

To: Tina Leppaluoto  
Company: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: 503-229-6945

From: Bill Knutson  
Company: K&S Environmental, Inc.  
Phone: 503-291-1454  
Fax: 503-291-5425

Date: 10/03/02  
Pages including this  
cover page: 3

Comments:

Tina, Here is the locations of the two  
basins for Gary's Service Center work per  
your requests.

Let me know if you have any questions.

Thanks,

Bill



4475 SW Scholls Ferry Rd., #256 ▲ Portland, OR 97225  
(503) 291-1454 ▲ Fax 291-5425

October 3, 2002

DEQ - NW Region  
2020 SW Fourth  
Suite 400  
Portland, OR 97201

Attn: Tina Leppaluoto  
UST Compliance Specialist

**Re: Addendum to 10/25/01 Work Plan for Gary's Service Center**  
**Facility No. 319**  
**File No. 04-99-1403**

Dear Leppaluoto:

This letter addresses the concerns you presented on the above referenced Work Plan for additional soil and groundwater sampling at Gary's Service Center in Cannon Beach, OR. The proposed water sample will be collected from the soil water interface at the south end of the tank (fill end). The requested BTEX analysis is included in the EPA 8260B Method.

The locations of the two proposed borings and one temporary monitoring well were described in the 10/25/01 Work Plan and are also noted on the attached site map as 'Proposed Sample Locations'. I have also labeled the soil and water samples collected previously by Gary Moon for your reference. It is K&S's understanding that the contaminated soil represented by sample #2 was removed by Mr. Moon. This work is referenced in item 2 of Mr. Moon's 8/20/02 letter to Greg Toran. The work presented/described in K&S's 10/25/01 Work Plan was developed on the requests included in Greg Toran's 10/11/01 letter to Mr. Moon, and appears to include all the requirements of that letter.

Please do not hesitate to call me if you have any questions or concerns with the work proposed in this letter. Upon DEQ approval, K&S will proceed with the work as proposed.

Sincerely,

A handwritten signature in dark ink, appearing to read "Bill Knutson".

Bill Knutson, P.E.  
Environmental Engineer

cc Gary Moon





4475 SW Scholls Ferry Rd., #256 ▲ Portland, OR 97225  
(503) 291-1454 ▲ Fax 291-5425

October 25, 2001

DEQ - NW Region  
2020 SW Fourth  
Suite 400  
Portland, OR 97201

RECEIVED  
OCT 29 2001

DEPT OF ENVIRONMENTAL QUALITY  
NORTHWEST REGION

Attn: Greg Toran  
UST Compliance Specialist

**Re: Work Plan for Gary's Service Center**  
**Facility No. 319**  
**File No. 04-99-1403**

Dear Mr. Toran:

This letter presents K&S Environmental, Inc.'s (K&S) Work Plan for additional subsurface sampling work at Gary's Service Center located at 280 N. Hemlock St. in Cannon Beach, OR. The work plan is in response to your October 11, 2001 letter to Mr. Gary Moon requesting additional sampling at the site. This Work Plan addresses the concerns associated with the former 500 gallon used oil UST at the site. The UST was decommissioned in place by Mr. Moon in January, 2000.

**K&S's Work Plan is proposed as follows.**

**Subsurface UST Sampling**

K&S will core the concrete in two or more locations inside the northwest end of the automotive shop. The subsurface will be probed to verify the exact location and depth of the decommissioned UST. A total of two borings will then be installed within 6 inches of each end of the tank. Soil samples will be collected from each boring at a depth of approximately one foot beneath the bottom of the tank. The boring installed at the fill end of the UST will be advanced a minimum of one foot into groundwater and completed as a temporary monitoring well to facilitate the collection of a water samples for chemical analyses. The soil samples will be analyzed for total petroleum hydrocarbons (TPH) by DEQ approved qualitative method NWTPH-HCID. If any reportable levels of TPH are detected, the appropriate follow-up quantitative TPH analyses will be performed, as well as analyses for TCLP metals (8), VOCs by EPA method 8260 and PAHs by EPA Method 8310. If no reportable levels of TPH are detected in the initial soil samples, no additional soil analyses will be performed. The water sample will be analyzed for VOCs by EPA Method 8260 and for PAHs by EPA Method 8310.

### Sampling Protocol

The borings will be installed utilizing a steel hand auger. All soil samples will be collected directly from the head of the auger. Drill cuttings will be continuously inspected for evidence of contamination during installation of each boring. The soil samples will be placed into EPA approved glass containers using disposable Nitrile gloves. The samples will then be labeled and immediately placed on ice for transport to an independent laboratory accompanied by chain of custody documentation.

The temporary monitoring well will be constructed of Schedule 40 one or two inch PVC with .020 inch machine slots from the bottom of the well to the surface. The water sample will be collected using a disposable baler after sufficient water has entered the well. Upon collection of all soil and water samples, the temporary casing will be removed, and both the boreholes will be abandoned by filling the open boreholes from the bottom to 4 inches with hydrated chip bentonite, then patching the surface to match existing.

All sample tools will be cleaned in a solution of Alconox and water, then rinsed with clean water before beginning each boring and collection of each sample. Upon completion of all work proposed in the Work Plan, a report will be generated documenting all procedures, methods and results for the work.

The work is currently scheduled for next Spring. Please do not hesitate to call me if you have any questions or concerns with the work proposed in this letter. Upon client and DEQ approval, K&S will proceed with the work as proposed.

Sincerely,



Bill Knutson, P.E.  
Environmental Engineer

cc Gary Moon

UST CLEANUP TELEPHONE USE REPORT

CALL FROM/TO: Bill Knudsen DATE: 10/24/01

WITH: K + S TIME: \_\_\_\_\_

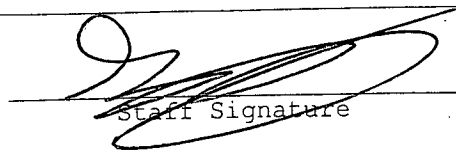
TELEPHONE NO: ( ) \_\_\_\_\_

REGARDING: Workplan submittal

FILE NO: 04 99-1403

SUMMARY OF CALL

K & S hired by Gary Moon  
to put together workplan.  
workplan underway. work to be  
completed in 2002.

  
Staff Signature



State of Oregon  
Department of Environmental Quality

Memorandum

**Date:** October 22, 2001

**To:** File 04-99-1403 Garys Cannon Beach

**From:** Greg Toran DEQ/NWR

**Subject:** Phone call from Gary Moon

Gary called to say he didn't have the money to complete the cleanup and didn't want an NFA. I asked Gary if he had investigated the cost of an assessment, the answer was no.

Gary wanted to know why he was doing this work after sampling twice already. Faxing copy of file review memo to Gary. Prior assessments done without submittal of assessment plan requested by the Department. Again suggested that Gary contact service provider to discuss specific requirements and submittal of plan. At this point Department only requesting workplan and schedule of completion. Workplan due by November 15, 2001. Work can be completed at a later time. Gave Gary several names of service providers that could complete assessment. Site may be able to close based on assessment findings with proper reporting of findings. Explained to Gary that environmental cleanup professional could put together workplan in short order after review of previous submittals, letters from the Department, and recent file review memo.



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

October 11, 2001

GARY MOON  
GARY'S CANNON BEACH SERVICE  
PO BOX 428  
CANNON BEACH OR 97110

Re: Gary's Cannon Beach Service  
File No.: 04-99-1403

Dear Mr. Moon:

The Department has recently reviewed your cleanup file and the written response by you with request for file closure dated August 20, 2000. The purpose of this letter is to respond to the request for site closure and to inform you of the Departments requirements following completion of this review.

The UST cleanup rules require the use of specific test methods. It will be necessary to do additional soil and water sampling. The Department makes every attempt in bringing UST cleanup sites to closure and regrets seeing this issue prolonged. As requested previously, the Department strongly recommends that you acquire the services of a licensed cleanup service provider to assess this site.

Please submit a workplan and schedule for completion as described below by November 15, 2001:

- Submit a written detailed site map and work plan for Department review prior to doing any additional sampling. Describe in the work plan specifically how samples will be collected, how they will be preserved, how they will be transported, and the test methods that will be used.
- A minimum of two soil samples must be collected. One sample from each end of the UST. These locations must be verifiable as being immediately adjacent to this tank in native soils no more than 12 inches below it. You must describe how these locations will be pinpointed with accuracy and identify these points on a site map. The Department recommends standard sampling practices such as trenching, digging a pit, boring from the surface, or collecting precision core samples using geo-probe equipment. Pounding pipe into sand from the surface is not an acceptable method. An experienced service provider can core and probe through your concrete slab with a minimum amount of disturbance to the slab.
- These two soil samples must be properly collected, stored and transported and then analyzed by method NW TPH-HCID. Any detection of petroleum must be quantified by the appropriate methods.
- Analysis for leachable metals, volatile chlorinated solvents, polynuclear aromatic hydrocarbons, benzene, toluene, ethylbenzene, and xylenes must also be conducted.

Gary's Cannon Beach Service  
Request for additional work2  
October 11, 2001

- A water sample must also be collected at the soil water interface in the boring nearest to the fillpipe and analysis done for volatile chlorinated solvents, polynuclear aromatic hydrocarbons, benzene, toluene, ethylbenzene, and xylenes.
- Please confer with a licensed cleanup contractor in development of this work plan.
- Include a schedule for completion of this work.

Once the sampling and work plan is submitted and approved by the Department, collection of the soil and water samples and analysis should proceed. When this work is complete, review the data and submit a report requesting closure or making additional recommendations for investigation and/or cleanup.

The Department also requires receipts for disposal of tank wastes and contaminated soil. The questionnaire submitted previously does not properly document tank waste disposal. Please submit signed and dated receipts showing acceptance of all wastes and contaminated soil.

The soil sampling analysis by method TPH-Dx submitted previously indicated concentrations as high as 15,900 mg/kg. Please identify each of the specific sampling points by making additions to your previously submitted site map showing exactly where each of the earlier soil samples were collected. These points are not identified on the site map.

Your cooperation in complying with the Department's cleanup rules and reporting requirements is appreciated. If you have any questions concerning these matters, feel free to contact me at 503-229-5496.

Sincerely,



Gregory Toran  
UST Compliance Specialist

State of Oregon  
Department of Environmental Quality

Memorandum

Date: October 10, 2001

To: File 04-99-1403

From: Greg Toran DEQ/NWR

Subject: Cleanup file review (1000)

550 gallon waste oil UST filled in place in 2000.

UST f# 319. Cleanup and assessment by RP.

Area of concrete slab removed.

Waste oil contamination visually observed around fill area. Contaminated sand removed down to clean sand based on visual observations. No sampling completed at this time.

Contaminated sand stored in 55 gallon drum.

Excavated "clean" sand around UST to uncover.

Cut open UST.

Removed 30 gallons of sludge and stored in 55 gallon drum.

UST cleaned with solvent and absorbent pads.

No corrosion observed in UST.

Soil samples collected by driving 2 inch tube into sand and extracting core.

Groundwater sample collected.

Matrix checklist and scoresheet submitted.

No PCS disposal record.

No waste disposal record.

Samples id numbers not noted on enclosed site map.

No sampling plan previous to closure in place.

Department requested workplan for sampling in letter dated August 7, 2000 after completion of work. Workplan not received. Previous request by Department for HCID, VOCs, PAHs, dissolved lead.

Initial sampling by Dx for water and soil, metals for totals.

Used electric fuel pump to collect water sample.

Dx showed 3.56 mg/L of diesel in water. 1.14 mg/L of oil in water.

Additional water sampling or analysis not done.

"Contaminated soil" sample from unknown location was 15,900 mg/kg, most likely soil pile.

Total lead was 734 mg/kg from "Contaminated soil" sample.

Minor lead detection and TPH for oil at 78 mg/kg at side of tank.

Screen for VOCs, PAHs, dissolved lead and HCID not done.

04-99-1403

DEPT OF ENVIRONMENTAL QUALITY  
RECEIVED

August 20, 2000

AUG 22 2000

Gregory Toran, UST Compliance Specialist  
Department of Environmental Quality  
Northwest Region  
2020 SW Footh Avenue, Suite 400  
Portland, OR 97201-4987

RECEIVED

Re: Gary's Cannon Beach Service  
Facility No. 319  
File No.: 04-99-1403

Dear Mr. Toran,

In the process of decommissioning tank #1 ABBK (crank case oil storage tank), we discovered oil spillage around tank fill pipe. The contamination encompassed an area two foot in diameter by three feet deep. This contaminated material was removed and placed in a 55 gallon drum for disposal at Metro Landfill. The material that was contaminated was beach sand as all of the downtown Cannon Beach business district is built on sand. Samples of the contaminated material and samples of sand on either side of the tank were sent to Specialty Analytical along with ground water samples for testing.

Work to Date:

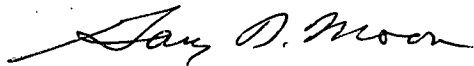
1. 12-15-99 Rented diamond saw from Seaside All Rents and cut area of concrete floor in welding shop over tank. 4'X 4' concrete slab removed.
2. 01-04-00 Removed contaminated sand from around fill pipe and down to a depth of 3 feet where the sand became powdery dry. Sand was put into a 55 gallon drum for storage.
3. 01-15-00 Excavated the clean dry sand from around the tank down to a depth of 3 feet and stored on site for future backfill.
4. 01-16-00 Cut out 2' X 2' area on top of tank for access to clean interior of tank. Approximately 30 gallons of oil sludge was removed from tank and placed in a 55 gallon drum for disposal by Spencer Environmental. The tank was scrubbed down with cleaning solvent and absorbant pads. No corrosion of the tank was detected either on the interior or the exterior. Tank was 100% of new.
5. 01-29-00 Soil samples were taken from either side of the tank to a depth of 6' by driving a 2" tube into the sand and extracting a core of sand. Water samples were taken from east side of the tank at a depth of 6' by driving a 3" tube into the sand and removing sand core with a smaller tube so the tube would partially fill with ground water. We used an

electric fuel pump to pump the water into a sample bottle.

6. 01-31-00 Took water, soil, and contaminated soil samples to Specialty Analytical for testing.
7. 02-19-00 Received report from Specialty Analytical. There were no problems with the analyses of the five samples as reported by there Project Manager, Cindy Day.
8. 05-04-00 Received 3 cubic yards of beach sand for backfilling tank previously cleaned. After we backfilled to grade, we drilled the concrete slab and drove 1/2" rebar in for reinforcement prior to replacing floor.
9. 05-26-00 K.A.R. Construction, Inc. poured and finished concrete floor section over decommissioned tank #1 ABBK.

Thank you for your consideration, I hope this is the information that you requested in your letter of August 7, 2000.

Sincerely,



Gary D. Moon, President  
Gary's Cannon Beach Service Center, Inc.  
PO Box 428  
Cannon Beach, OR 97110-0428



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

August 7, 2000

GARY MOON  
GARY'S CANNON BEACH SERVICE  
PO BOX 428  
CANNON BEACH OR 97110

Re: Gary's Cannon Beach Service  
File No.: 04-99-1403

Dear Mr. Moon:

I have been assigned by the Department to conduct a review of your file concerning the underground storage tank (UST) decommissioning and cleanup project conducted at 280 N Hemlock in Cannon Beach, Oregon. In my letter dated May 10, 2000, I requested submittal of written cleanup reports. The purpose of this letter is to notify you of the results of my review of tanks closure records received on June 6, 2000.

The June 6, 2000 report included tank decommissioning records, and lab data for analysis of soil and water samples by method NW TPH-Dx. Unfortunately, these records are not adequate in demonstrating that the property has been properly assessed and cleaned up. In the report, there was indication of soil and groundwater contamination. UST site evaluation and cleanup is very specialized work. The Department recommends that you secure the services of a licensed UST cleanup service provider to assist you in completing this project.

The UST cleanup rules require the use of specific test methods. It will be necessary to do additional soil and water sampling and to fully define the extent and magnitude of the contamination. Please submit a work plan for Department approval prior to doing additional sampling. Soil samples must be analyzed by test method NW TPH-HCID and detection's quantified as necessary. The most heavily contaminated soil sample must also be analyzed by method 8260 for volatile organics and for leachable concentrations of cadmium, chromium, and lead. Water samples must be analyzed for volatile organics, for dissolved lead, and for polynuclear aromatic hydrocarbons. The number of samples necessary will depend on the extent of the contamination in the waste oil tank area. It may be necessary to remove the UST in order to assess and cleanup the contamination. Please confer with your contractor in development of this work plan.

The June 6, 2000 report mentions tank wastes, contaminated soil, sampling events but fails to describe what was found and what was done. Please submit to this office, a written narrative of work to date, contaminated soil disposal records, tank waste disposal records, and a workplan for Department review by August 25, 2000. Include a proposed schedule for completing the required work with this written response.





Gary's Cannon Beach Service  
August 7, 2000  
Page 2

Your cooperation in complying with the Department's cleanup rules and reporting requirements is appreciated. If you have any questions concerning these matters, feel free to contact me at 503-229-5496.

Sincerely,



Gregory Toran  
UST Compliance Specialist

cc: Gregory Toran-ODEQ/NWR

PERIODIC REVIEW

DATE 7/31/00

FILE NUMBER 04-98-1403 f 319

SITE NAME Gary's

BY GREG TORAN

☐ ADD START DATE \_\_\_\_\_

☐ ADD CONTROL DATE \_\_\_\_\_

REGULATED TANKS YES NO

☐ FEES PAID

☐ TANKS CLOSED ON SEQUENT

☐ ADDITIONAL INFORMATION NEEDED \_\_\_\_\_

☐ MATRIX SITE

☐ APPEARS TO BE COMPLETE

☐ ADDITIONAL INFO REQUESTED \_\_\_\_\_

☒ G/WATER

☒ ADDITIONAL INFO REQUESTED \_\_\_\_\_

COMMENTS PCS to metro??

closed one waste oil tank, 550 gallons.

Cleaned tank no waste-rinse disposal record.

samples not noted by id # on site map.

\* No sampling plan. No narrative of assessment of tank area.

Sampling protocol not noted.

5 samples, G/water by DX detection. water sample at 6 ft  
DX on soil, no HCB's.

location of Contamination unknown.

Didn't do waste oil screen on contaminated sample.

No 8260 or PCB screen

f # 319

Oregon Department of Environmental Quality  
UNDERGROUND STORAGE TANK DECOMMISSIONING/CHANGE-IN-SERVICE REPORT

DEQ DECOMMISSIONING CERTIFICATE NUMBER: 04-99-1403  
FACILITY NAME: GARY'S CANNON BEACH SERVICE CENTER, INC.  
FACILITY ADDRESS: 280 N. HEMLOCK, CANNON BEACH, OR. 97110  
PERMITTEE PHONE: 503 436 2280 DATE: 11-5-99

The following information MUST be submitted by the underground storage tank permittee or licensed DEQ Supervisor within 30 days following completion of the tank decommissioning or change-in-service. (OAR 340-150-0166 (5)(a)).

The attached supplemental checklist should be prepared by the person performing the decommissioning or change-in-service. The checklist should be provided to DEQ and the permittee to demonstrate that all required practices were followed.

Ordinarily the checklist is filled out by the DEQ licensed Service Provider or Supervisor. Permittees, tank owners or property owners who wish to personally decommission a tank or complete a change-in-service must follow all the conditions and requirements of OAR 340-150-0166 and other applicable standards. The permittee should contact the DEQ Regional Office prior to starting the work to receive current copies of the General Permit to Decommission USTs and underground storage tank regulations.

A. DATES:

Decommissioning/Change-in-Service Notice - Date Submitted: 11-5-99 (30 days before work starts).

Work Start Telephone Notice - Date Submitted: 12-6-99 (3 working days before work starts).

DEQ Person Notified: GREG TORAN

Date Work Started: 12-15-99 Date Work Completed: 5-22-00

Note: Provide the following information if any soil or water contamination is found during the decommissioning or change-in-service. Contamination must be reported by the UST permittee within 24 hours. The licensed service provider must report contamination within 72 hours after discovery unless previously reported.

Date Contamination Reported: 12-21-99 By: GARY MOORE

DEQ Person Notified: GREG TORAN

Backfill Telephone Notice - Date Called: \_\_\_\_\_ (before backfilling)

DEQ Person Notified: GREG TORAN

DEPT OF ENVIRONMENTAL QUALITY  
RECEIVED

B. PERMITS: Note: DEQ permits may be needed where soil or water cleanup is required.

JUN 06 2000

DEQ Water Discharge Permit #: \_\_\_\_\_ Date: \_\_\_\_\_

Water Disposed to (Location): \_\_\_\_\_

DEQ Solid Waste Disposal Permit #: \_\_\_\_\_ Date: \_\_\_\_\_

Soil Disposal or Treatment Location: METRO LAND FILL  
6161 N.W. 61ST, PORTLAND

NORTHWEST REGION

C. TANK INFORMATION:

| TANK ID # | DEQ-UST PERMIT # | TANK SIZE IN GALLONS | PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER? |     | CLOSURE OR CHANGE-IN-SERVICE? |                   |                    | TANK TO BE REPLACED? |    |
|-----------|------------------|----------------------|---------------------------------------------|-----|-------------------------------|-------------------|--------------------|----------------------|----|
|           |                  |                      | PRESENT                                     | NEW | TANK REMOVAL                  | CLOSURE IN PLACE♦ | CHANGE IN SERVICE♦ | YES*                 | NO |
| 1         | ABBK 319         | 500                  | USED OIL                                    |     |                               | X                 |                    |                      | X  |
|           |                  |                      |                                             |     |                               |                   |                    |                      |    |
|           |                  |                      |                                             |     |                               |                   |                    |                      |    |
|           |                  |                      |                                             |     |                               |                   |                    |                      |    |
|           |                  |                      |                                             |     |                               |                   |                    |                      |    |

- \* Where decommissioned tank(s) are replaced by new underground storage tanks the UST permittee must submit a *General Permit Registration Form to Install and Operate USTs* containing information on the new tanks 30 days before installing them.
- ♦ Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance, 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

D. DISPOSAL INFORMATION:

| TANK ID # | TANK AND PIPING DISPOSAL METHOD |           |       |                                    | DISPOSAL LOCATION OF TANK CONTENTS |                       |
|-----------|---------------------------------|-----------|-------|------------------------------------|------------------------------------|-----------------------|
|           | SCRAP                           | LAND-FILL | OTHER | IDENTIFY LOCATION & PROPERTY OWNER | LIQUIDS *                          | SLUDGES *             |
| 1<br>ABBK |                                 |           |       |                                    |                                    | SPENCER ENVIRONMENTAL |
|           |                                 |           |       |                                    |                                    |                       |
|           |                                 |           |       |                                    |                                    |                       |
|           |                                 |           |       |                                    |                                    |                       |
|           |                                 |           |       |                                    |                                    |                       |

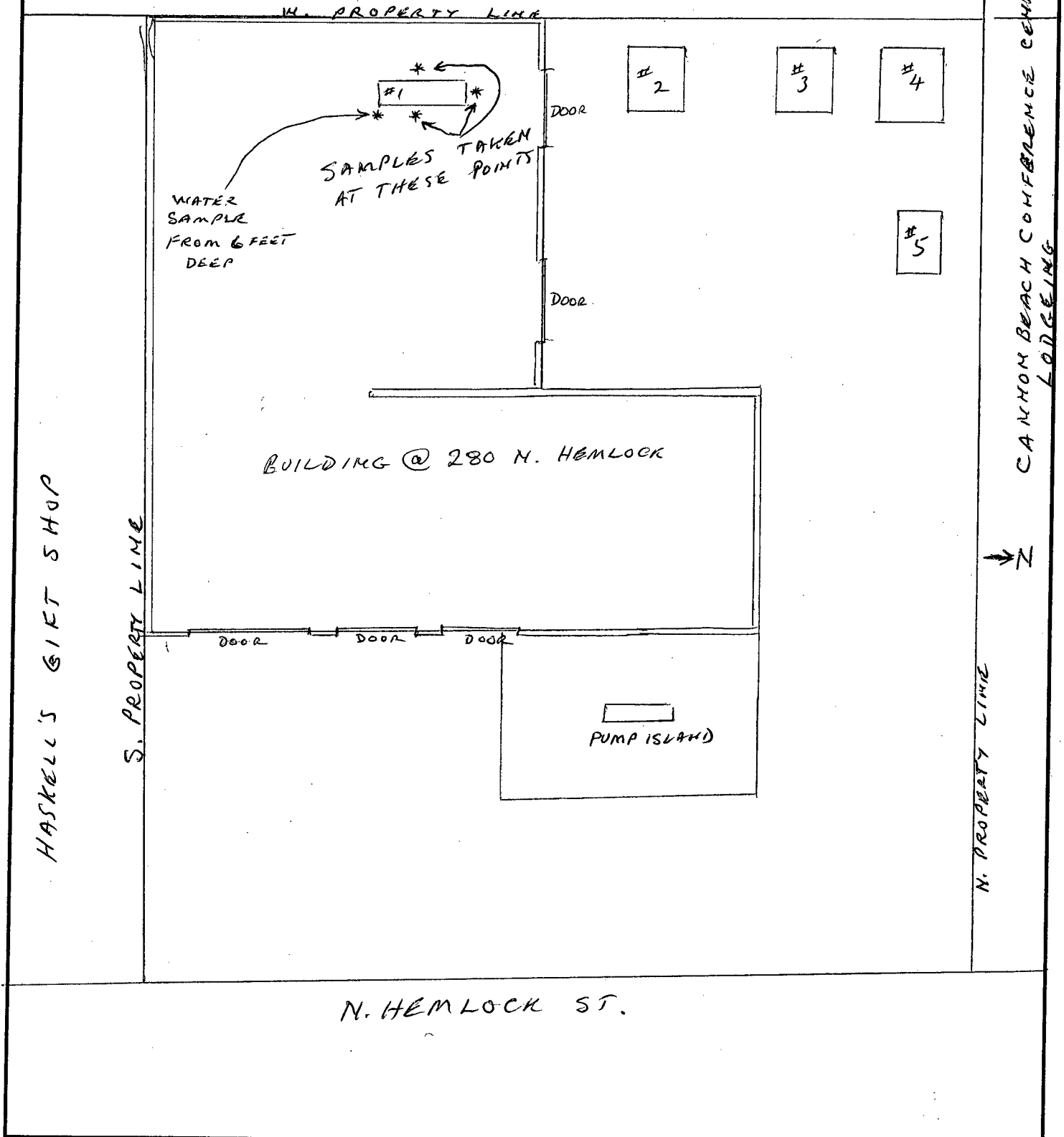
\* Note: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ regional office for your area.

E. CONTAMINATION INFORMATION: \* Note: Sampling is required if groundwater is encountered. See cleanup rules.

| TANK ID # | GROUND * WATER IN PIT ? | PRODUCT ODOR IN SOIL ? | PRODUCT STAINS IN SOIL ? | NUMBER OF SAMPLES | LABORATORY (NAME, CITY, STATE, PHONE)                                   |
|-----------|-------------------------|------------------------|--------------------------|-------------------|-------------------------------------------------------------------------|
| 1<br>ABBK | NO                      | YES                    | YES                      | 4                 | SPECIALTY ANALYTICAL<br>19761 SW 95th PL., TUALATIN, OR<br>503-612-9007 |
|           |                         |                        |                          |                   |                                                                         |
|           |                         |                        |                          |                   |                                                                         |
|           |                         |                        |                          |                   |                                                                         |
|           |                         |                        |                          |                   |                                                                         |

F. SITE SKETCH: (Show location of adjacent roads, property lines, structures, dispensers, & all USTs. Show North, general direction of ground slope and soil sample locations. Sketch does not need to be drawn to scale. You may attach a separate drawing.)

WEBB'S SCENIC SURF MOTEL



**G. WORK PERFORMED BY:**

DEQ Service Provider's License #: \_\_\_\_\_ Construction Contractors License #: \_\_\_\_\_

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

DEQ Decommissioning Supervisor's License #: \_\_\_\_\_

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

DEQ Soil Matrix Service Provider's License #: \_\_\_\_\_ (If applicable)

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

DEQ Soil Matrix Supervisor's License #: \_\_\_\_\_ (If applicable)

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

**H. ATTACHMENTS TO THIS REPORT:**

1. Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QC information. Include laboratory name, address and copies of chain-of-custody forms.
2. If contamination is detected and a Level 2 or Level 3 soil matrix cleanup standard is selected attach a copy of the soil matrix analysis for the site including methods of determining soil type, depth to groundwater, and sensitivity of uppermost aquifer.

**I. REPORT FILING:**

This report, signed by the permittee, complete with all applicable attachments must be filed with the DEQ regional office within 30 days after the excavation is backfilled or change-in-service is complete. Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets of contamination, etc.).

EASTERN REGION / BEND  
Phone: Bend (541) 388-6146

EASTERN REGION / THE DALLES  
Phone: The Dalles (541) 298-7255

EASTERN REGION / PENDLETON  
Phone: Pendleton (541) 276-4063

WESTERN REGION / SALEM  
Phone: Salem (503) 378-8240

WESTERN REGION / EUGENE  
Phone: Eugene (541) 686-7838

WESTERN REGION / MEDFORD  
Phone: Medford (541) 776-6136, Ext. 233

NORTHWEST REGION  
Phone: Portland (503) 229-5263

I have personally reviewed this report and the attachments and find them to be true and complete.

Permittee: \_\_\_\_\_  
(Please Print)

Permittee: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

For information: (503) 229-6652 or Toll Free in Oregon UST HELPLINE 1-800-742-7878

**Oregon Department of Environmental Quality**  
**UNDERGROUND STORAGE TANK DECOMMISSIONING/CHANGE-IN-SERVICE CHECKLIST**

DEQ DECOMMISSIONING CERTIFICATE NUMBER: 04-99-1403

FACILITY NAME: GARY'S CANNON BEACH SERVICE CENTER, INC.

FACILITY ADDRESS: 280 N. HENLOCK

PERMITTEE PHONE: 503 436 2280

DATE: 12-23-99

**A. SAFETY EQUIPMENT ON JOB SITE:**

Fire Extinguisher: Type/Size: (4) 50# CO<sub>2</sub> Recharge Date: 10-99

Combustible Gas Detector: Model: \_\_\_\_\_ Calibration Date: \_\_\_\_\_

Oxygen Analyzer: Model: \_\_\_\_\_ Calibration Date: \_\_\_\_\_

**B. DECOMMISSIONING:**

| All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)  | YES | NO | UNKNOWN | N/A |
|--------------------------------------------------------------|-----|----|---------|-----|
| 1. All electrical equipment grounded and explosion proof?    | ✓   |    |         |     |
| 2. Safety equipment on job site?                             | ✓   |    |         |     |
| 3. Overhead electrical lines located?                        | ✓   |    |         |     |
| 4. Subsurface electrical lines off or disconnected?          | ✓   |    |         |     |
| 5. Natural gas lines off or disconnected?                    | ✓   |    |         |     |
| 6. No open fires or smoking material in area?                | ✓   |    |         |     |
| 7. Vehicle and pedestrian traffic controlled?                | ✓   |    |         |     |
| 8. Excavation material area cleared?                         | ✓   |    |         |     |
| 9. Rainwater runoff directed to treatment area?              | ✓   |    |         |     |
| 10. Drained and collected product from lines?                | ✓   |    |         |     |
| 11. Removed product and residual from tank?                  | ✓   |    |         |     |
| 12. Cleaned tank?                                            | ✓   |    |         |     |
| 13. Excavated to top of tank?                                | ✓   |    |         |     |
| 14. Removed tank fixtures? (pumps, leak detection equipment) | ✓   |    |         |     |
| 15. Removed product, fill and vent lines?                    | ✓   |    |         |     |

### C. TANK ABANDONMENT IN-PLACE:

| All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)        | YES | NO | UNKNOWN | N/A |
|--------------------------------------------------------------------|-----|----|---------|-----|
| 16. Sampling plan approved by DEQ?<br>Date: _____ DEQ Staff: _____ |     |    |         |     |
| 17. Contamination concerns fully resolved?                         | ✓   |    |         |     |
| 18. Fill Material? Type: <u>FINE SAND</u>                          | ✓   |    |         |     |

### D. TANK REMOVAL:

|                                                                                                   |  |  |  |  |
|---------------------------------------------------------------------------------------------------|--|--|--|--|
| 19. Tank placement area cleared, chocks placed?                                                   |  |  |  |  |
| 20. Purged or ventilated tank to prevent explosion?<br>Method used: _____<br>Meter reading: _____ |  |  |  |  |
| 21. Were chains or steel cables wrapped around tank for removal?                                  |  |  |  |  |
| 22. Tank removed, set on ground, blocked to prevent movement?                                     |  |  |  |  |
| 23. Tank set on truck and secured with straps(s)?                                                 |  |  |  |  |
| 24. Tank labeled before leaving site?                                                             |  |  |  |  |

### E. SITE ASSESSMENT:

|                                                                                                                         |   |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------|---|--|--|--|
| 25. Site assessed for contamination? See OAR 340-122-0340                                                               | ✓ |  |  |  |
| 26. Soil samples taken and analyzed?                                                                                    | ✓ |  |  |  |
| 27. Decommissioning/Change-in-Service report sent to DEQ?                                                               | ✓ |  |  |  |
| 28. Was contamination found? Date/Time: <u>12-15-99 0300</u>                                                            | ✓ |  |  |  |
| 29. Was contamination reported to DEQ? By: <u>GARY MOSER</u><br>Date/Time: <u>12-21-99</u> DEQ Staff: <u>GREG TORAN</u> | ✓ |  |  |  |
| 30. Was hazardous waste determination made for tank contents (Liquids/sludges)?                                         | ✓ |  |  |  |

### 31. Disposal location of tank(s) contents.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Attach disposal receipt.

### 32. Disposal or recycling location of removed tank(s) and associated piping.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Attach disposal receipt.

### 33. If tank(s) are intended to be reused, identify new tank site.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Purpose of Reuse: \_\_\_\_\_



**F. WORK PERFORMED BY:**

DEQ Service Provider's License #: \_\_\_\_\_

Name: \_\_\_\_\_  
(Please Print)

Telephone: \_\_\_\_\_

DEQ Decommissioning Supervisor's License #: \_\_\_\_\_

Name: \_\_\_\_\_  
(Please Print)

Telephone: \_\_\_\_\_

ALL WORK DONE BY OWNER

**G. CHECKLIST FILING:**

1. Provide copy of checklist to the UST permittee.
2. Send completed checklist to the DEQ regional office for your area (see below) within 30 days after the excavation is backfilled.

**RETURN COMPLETED AND SIGNED FORM TO THE DEQ REGIONAL OFFICE FOR YOUR AREA.**

**EASTERN REGION / BEND**

2146 NE 4th, #104  
Bend, OR 97701  
Phone: (541) 388-6146  
Fax: (541) 388-8283

**EASTERN REGION / THE DALLES**

400 E. Scenic Drive, #307  
The Dalles, OR 97058  
Phone: (541) 298-7255  
Fax: (541) 298-7330

**EASTERN REGION / PENDLETON**

700 SE Emigrant, Suite 330  
Pendleton, OR 97801  
Phone: (541) 276-4063  
Fax: (541) 278-0168

**WESTERN REGION / SALEM**

750 Front Street NE, Suite 120  
Salem, OR 97310  
Phone: (503) 378-8240  
Fax: (503) 373-7944

**WESTERN REGION / EUGENE**

1102 Lincoln Street, Suite 210  
Eugene, OR 97401  
Phone: (541) 686-7838  
Fax: (541) 686-7551

**WESTERN REGION / MEDFORD**

201 Main Street, Suite 2-D  
Medford, OR 97501  
Phone: (541) 776-6136, Ext. 233  
Fax: (541) 776-6262

**NORTHWEST REGION**

2020 SW 4th Avenue, Suite 400  
Portland, OR 97201-5884  
Phone: (503) 229-5263  
Fax: (503) 229-6945

I have personally reviewed this decommissioning/change-in-service checklist and find it to be true and complete.

Licensed Supervisor: \_\_\_\_\_  
(Please Print)

Licensed Supervisor: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

Permittee: GARY D. MOON  
(Please Print)

Permittee: Gary D. Moon Date: 5-20-00  
(Signature)

For information: (503) 229-6652 or Toll Free in Oregon UST HELPLINE 1-800-742-7878

**Program information, registration forms, administrative rules and other publications  
can also be found on our website:**

**<http://www.deq.state.or.us/wmc/tank/ust-lust.htm>**

EXPIRES: 12/28/2000

PROFILE NUMBER: 99647

**SPENCER ENVIRONMENTAL**

(503) 788-4612

**GENERATOR'S WASTE PROFILE QUESTIONNAIRE****GENERATOR INFORMATION**

Generator Name: Garys Canon Beach Service CTR  
Site Address: 280 N Hemlock  
City, State, Zip: Canon Beach, OR 97110  
Generator Contact: Gary Moon  
Title: President  
Generator Phone#: 1 503 436-2280  
Facility EPA#: 329

**CUSTOMER INFORMATION**

Company Name: Same  
Company Address:  
Company City, State, Zip:  
Company Contact:  
Company Phone#:

**WASTE DESCRIPTION**

General Waste Description: Used oil sludge  
Process Generating Waste: Decommissioning a used oil tank

Is this Waste a "Hazardous Waste"?

No

One Time Disposal?

Yes

(as defined by Federal, State or Local Regulations)

Waste Generation Rate:

Cubic Yards:

Drums:

Tons:

Gallons:

30

Per:

Day:

Week:

Month:

Year:

Waste will be transported in:

Roll-Off Boxes:

Vacuum Truck:

Drums (Type Size):

55 gal/on

**CHEMICAL COMPOSITION AND OTHER INGREDIENTS**

(State for each chemical. Total maximum column must be greater than or equal to 100%). NO TRADE NAMES

|                 |
|-----------------|
| Used oil        |
| Used oil sludge |
|                 |
|                 |
|                 |
|                 |

## MINIMUM

70 %

90 %

## MAXIMUM

95 %

95 %

Physical State:

Liquid ☒Sludge: ☒Solid: ☐

Odor:

None: ☐Mild: ☒Strong: ☐

Phases:

Homogenous: ☐Bi-Layered ☒Multi: ☐

Water:

<1%: ☒1-5%: ☐5-10%: ☐

Ph:

>2-6: ☐6-10: ☒10-<12.5: ☐

Sludges:

Soft Sludge: ☒Hard Sludge: ☐Debris: ☐

Free Liquids

Yes

% of Volume:

&lt;5 %

BTU's Per LB:

&gt;5,000

Color:

black

Notes, Additional Information or Special Handling Instructions:

This waste will be disposed of @ Spencer Environmental's

plant where it will be stabilized and burned for energy

**CERTIFICATION**

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Waste Product Questionnaire.

DEQ FILE # 04-99-1403

Generator's Signature:

Gary Moon

Name (Type or Print):

Title:

President

Date:

12-29-99

APPROVAL: Spencer Environmental

Date:

① This Checklist

② Matrix report → refer to 340-122-0320  
MATRIX CHECKLIST

- ✓ 1. The release of petroleum has been reported to the Department of Environmental Quality (220).
- ✓ 2. The Matrix Score Sheet has been completed for this site, unless the site is cleaned up to the most stringent cleanup level (320).
- ✓ 3. The required hydrocarbon identification test (TPH-HCID) has been performed (335(3)), and, if detectable levels were found, the appropriate analytical method or methods have been used to measure the levels of contamination (350).
- ✓ 4. A sketch has been made of this site (345(1)) which clearly shows:
  - ✓ a. The location of all buildings and other key features, both man-made and natural;
  - ✓ b. The names of adjacent streets and properties;
  - ✓ c. The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;
  - ✓ d. The location of all product storage tanks, lines and dispensers, including those that were decommissioned as well as those that remain on the site; and
  - ✓ e. All soil and water sample locations.
- ✓ 5. If any contaminated soil in excess of matrix limits has been left on site, the reason for leaving this soil has been explained and the requirements of 355(4) have been met.
- ✓ 6. If water was present in the tank pit, the Department was notified, the water was pumped from the pit, and the requirements of 340(4) have been met.
- ✓ 7. All soil and/or water samples have been collected, coded, stored and shipped as specified in the rules, and proper chain-of-custody forms have been filled out (345).
- ✓ 8. If a release from a waste oil tank was discovered, at least one sample has been analyzed by the methods specified in 350(5).
- ✓ 9. If a tank was decommissioned in place, the Department gave prior approval for a site-specific sampling plan (340(5)).
- ✓ 10. A report has been prepared which includes a detailed description of everything that was observed and performed at the site, contains all of the information required by the rules (360), and presents findings and recommendations which are consistent with Departmental regulations.

# MATRIX SCORE SHEET

|                                     |        |    |
|-------------------------------------|--------|----|
| 1. Depth to Groundwater             |        |    |
| < 25 feet                           | (10) — | 10 |
| 25 - 50 feet                        | ( 7)   |    |
| 51 - 100 feet                       | ( 4)   |    |
| > 100 feet                          | ( 1)   |    |
| 2. Mean Annual Precipitation        |        |    |
| >45 inches                          | (10) — | 10 |
| 20 - 45 inches                      | ( 5)   |    |
| <20 inches                          | ( 1)   |    |
| 3. Native Soil Type                 |        |    |
| Coarse sands, gravels               | (10)   | 5  |
| Silts, fine sands                   | ( 5) — |    |
| Clays                               | ( 1)   |    |
| 4. Sensitivity of Uppermost Aquifer |        |    |
| Sole Source                         | (10)   | 1  |
| Current Potable                     | ( 7)   |    |
| Future Potable                      | ( 4)   |    |
| Non-potable                         | ( 1) — |    |
| 5. Potential Receptors              |        |    |
| Many, near                          | (10)   | 1  |
| Medium                              | ( 5)   |    |
| Few, far                            | ( 1) — |    |
| TOTAL SCORE =                       |        | 27 |

4

| Matrix Score          | Cleanup Level in ppm TPH |        |
|-----------------------|--------------------------|--------|
|                       | Gasoline                 | Diesel |
| Level 1: > 40 pts.    | 40                       | 100    |
| Level 2: 25 - 40 pts. | 80                       | 500    |
| Level 3: < 25 pts.    | 130                      | 1000   |



# Specialty Analytical

19761 S.W. 95th Place  
Tualatin, OR 97062  
(503) 612-9007  
Fax (503) 612-8572  
1 (877) 612-9007

04-99-1403

February 16, 2000

Gary Moon  
Gary's Cannon Beach Service Cntr, Inc.  
280 N. Hemlock  
PO Box 428  
Cannon Beach, OR 97110  
TEL: (503) 436-2280  
FAX (503) 436-0423

RE: Tank #1, ABBK #319

Order No.: 0001169

Dear Gary Moon,

Specialty Analytical received 5 samples on 1/31/2000 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without the approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

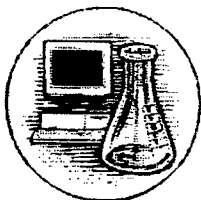
Sincerely,

Cindy Day  
Project Manager

Technical Review

CC:

## Page 1 of 1



19761 S.W. 95th Place  
Tualatin, OR 97062  
(503) 612-9007 - Phone  
(503) 612-8572 - Fax

Contact Person/Project Manager GARY MOON  
Company GARY'S CANNON BEACH SERVICE CNTR., INC.  
Address 280 N. HEMLOCK, P.O. BOX 428  
CANNON BEACH, OR. 97110  
Phone 503 436 2280 Fax 503 436 0423  
Project No. \_\_\_\_\_ Project Name TANK #1, ABBK, #319  
Invoice To \_\_\_\_\_ P.O. No. \_\_\_\_\_

**Collected By:**

Signature Harry D. Wilson

Printed GARY D. MOON

Signature\_\_\_\_\_

Printed\_\_\_\_\_

### Turn Around Time

☒ Normal

☐ Rush

### Specify

### **Rush Analyses Must Be Scheduled With The Lab In Advance**

[illegible]

**Relinquished By:**

**Company:**

Date \_\_\_\_\_

1-31-08

Time

11:36

Received By:

**Company:**

Relinquished By:

**Company:**

Date \_\_\_\_\_

Time

**Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.**

**Copies: White-Original**

**Yellow-Project File**

**Pink-Customer Copy**

Received For Lab By:

Date \_\_\_\_\_

1/3/0

Time

11:35

# Specialty Analytical

Date: 16-Feb-00

CLIENT: Gary's Cannon Beach Service Cntr, Inc.  
 Lab Order: 0001169  
 Project: Tank #1, ABBK #319

| Analyses                    | Result             | Limit           | Qual | Units     | DF                    | Date Analyzed       |
|-----------------------------|--------------------|-----------------|------|-----------|-----------------------|---------------------|
| <b>#1 Groundwater</b>       | <b>0001169-01A</b> |                 |      |           | <b>Date Collected</b> | <b>1/27/2000</b>    |
| <b>NWTPH-DX</b>             |                    | <b>NWTPH-DX</b> |      |           |                       | <b>Analyst: skc</b> |
| Diesel                      | 3.56               | 0.250           | B,A1 | mg/L      | 1                     | 2/1/2000            |
| Lube Oil                    | 1.14               | 0.500           | A2   | mg/L      | 1                     | 2/1/2000            |
| Surr: o-Terphenyl           | 84.0               | 50-150          |      | %REC      | 1                     | 2/1/2000            |
| <b>#2 Contaminated Soil</b> | <b>0001169-02A</b> |                 |      |           | <b>Date Collected</b> | <b>1/20/2000</b>    |
| <b>NWTPH-DX</b>             |                    | <b>NWTPH-DX</b> |      |           |                       | <b>Analyst: skc</b> |
| Diesel                      | ND                 | 815             | A3   | mg/Kg-dry | 50                    | 2/2/2000            |
| Lube Oil                    | 15,900             | 2,720           |      | mg/Kg-dry | 50                    | 2/2/2000            |
| Surr: o-Terphenyl           | DIL                | 50-150          | S    | %REC      | 50                    | 2/2/2000            |
|                             | <b>0001169-02B</b> |                 |      |           |                       |                     |
| <b>MERCURY, TOTAL</b>       |                    | <b>SW7471</b>   |      |           |                       | <b>Analyst: jma</b> |
| Mercury                     | ND                 | 0.0200          |      | mg/Kg     | 1                     | 2/1/2000            |
| <b>TOTAL METALS BY ICP</b>  |                    | <b>E6010</b>    |      |           |                       | <b>Analyst: djm</b> |
| Arsenic                     | 3.88               | 0.971           |      | mg/Kg     | 1                     | 2/2/2000 8:45:00 PM |
| Barium                      | 46.6               | 0.971           |      | mg/Kg     | 1                     | 2/2/2000 8:45:00 PM |
| Cadmium                     | 0.485              | 0.0485          |      | mg/Kg     | 1                     | 2/2/2000 8:45:00 PM |
| Chromium                    | 5.34               | 0.243           |      | mg/Kg     | 1                     | 2/2/2000 8:45:00 PM |
| Lead                        | 734                | 0.971           |      | mg/Kg     | 1                     | 2/2/2000 8:45:00 PM |
| Selenium                    | ND                 | 0.971           |      | mg/Kg     | 1                     | 2/2/2000 8:45:00 PM |
| Silver                      | ND                 | 0.971           |      | mg/Kg     | 1                     | 2/2/2000 8:45:00 PM |
| <b>#3 W. Side of Tank</b>   | <b>0001169-03A</b> |                 |      |           |                       |                     |
| <b>NWTPH-DX</b>             |                    | <b>NWTPH-DX</b> |      |           |                       | <b>Analyst: skc</b> |
| Diesel                      | ND                 | 15.8            |      | mg/Kg-dry | 1                     | 2/1/2000            |
| Lube Oil                    | ND                 | 52.6            |      | mg/Kg-dry | 1                     | 2/1/2000            |
| Surr: o-Terphenyl           | 80.0               | 50-150          |      | %REC      | 1                     | 2/1/2000            |
|                             | <b>0001169-03B</b> |                 |      |           |                       |                     |
| <b>MERCURY, TOTAL</b>       |                    | <b>SW7471</b>   |      |           |                       | <b>Analyst: jma</b> |
| Mercury                     | ND                 | 0.0200          |      | mg/Kg     | 1                     | 2/1/2000            |
| <b>TOTAL METALS BY ICP</b>  |                    | <b>E6010</b>    |      |           |                       | <b>Analyst: djm</b> |
| Arsenic                     | ND                 | 0.980           |      | mg/Kg     | 1                     | 2/2/2000 9:29:00 PM |
| Barium                      | 184                | 0.980           |      | mg/Kg     | 1                     | 2/2/2000 9:29:00 PM |
| Cadmium                     | ND                 | 0.0490          |      | mg/Kg     | 1                     | 2/2/2000 9:29:00 PM |
| Chromium                    | 3.92               | 0.245           |      | mg/Kg     | 1                     | 2/2/2000 9:29:00 PM |
| Lead                        | ND                 | 0.980           |      | mg/Kg     | 1                     | 2/2/2000 9:29:00 PM |
| Selenium                    | ND                 | 0.980           |      | mg/Kg     | 1                     | 2/2/2000 9:29:00 PM |
| Silver                      | ND                 | 0.980           |      | mg/Kg     | 1                     | 2/2/2000 9:29:00 PM |

**Specialty Analytical**

Date: 16-Feb-00

CLIENT: Gary's Cannon Beach Service Cntr, Inc.  
Lab Order: 0001169  
Project: Tank #1, ABBK #319

| Analyses                   | Result             | Limit           | Qual | Units      | DF                    | Date Analyzed       |
|----------------------------|--------------------|-----------------|------|------------|-----------------------|---------------------|
| <b>#4 E. Side of Tank</b>  | <b>0001169-04A</b> |                 |      |            |                       |                     |
| <b>NWTPH-DX</b>            |                    | <b>NWTPH-DX</b> |      |            |                       | Analyst: skc        |
| Diesel                     | ND                 | 19.0            |      | mg/Kg-dry  | 1                     | 2/1/2000            |
| Lube Oil                   | 78.1               | 63.3            |      | mg/Kg-dry  | 1                     | 2/1/2000            |
| Surr: o-Terphenyl          | 85.0               | 50-150          |      | %REC       | 1                     | 2/1/2000            |
|                            | <b>0001169-04B</b> |                 |      |            |                       |                     |
| <b>MERCURY, TOTAL</b>      |                    | <b>SW7471</b>   |      |            |                       | Analyst: jma        |
| Mercury                    | ND                 | 0.0200          |      | mg/Kg      | 1                     | 2/1/2000            |
| <b>TOTAL METALS BY ICP</b> |                    | <b>E6010</b>    |      |            |                       | Analyst: djm        |
| Arsenic                    | ND                 | 1.01            |      | mg/Kg      | 1                     | 2/2/2000 9:33:00 PM |
| Barium                     | 8.59               | 1.01            |      | mg/Kg      | 1                     | 2/2/2000 9:33:00 PM |
| Cadmium                    | ND                 | 0.0505          |      | mg/Kg      | 1                     | 2/2/2000 9:33:00 PM |
| Chromium                   | 3.54               | 0.253           |      | mg/Kg      | 1                     | 2/2/2000 9:33:00 PM |
| Lead                       | ND                 | 1.01            |      | mg/Kg      | 1                     | 2/2/2000 9:33:00 PM |
| Selenium                   | ND                 | 1.01            |      | mg/Kg      | 1                     | 2/2/2000 9:33:00 PM |
| Silver                     | ND                 | 1.01            |      | mg/Kg      | 1                     | 2/2/2000 9:33:00 PM |
| <b>Domestic Spring</b>     | <b>0001169-05A</b> |                 |      |            | <b>Date Collected</b> | <b>1/31/2000</b>    |
| <b>HARDNESS (CALC.)</b>    |                    | <b>2340B</b>    |      |            |                       | Analyst: djm        |
| Hardness (Calc.)           | 29.5               | 1.00            |      | mg/L CaCO3 | 1                     | 2/2/2000            |



## Specialty Analytical

Date: 19-Feb-00

CLIENT: Gary's Cannon Beach Service Cntr, Inc.

Work Order: 0001169

Project: Tank #1, ABBK #319

## QC SUMMARY REPORT

Method Blank

|            |         |           |                  |            |             |        |          |               |                     |           |          |      |
|------------|---------|-----------|------------------|------------|-------------|--------|----------|---------------|---------------------|-----------|----------|------|
| Sample ID  | PB-2616 | Batch ID: | 2616             | Test Code: | E6010       | Units: | mg/Kg    | Analysis Date | 2/2/2000 8:36:00 PM | Prep Date | 2/1/2000 |      |
| Client ID: |         | Run ID:   | TJA IRIS_000202C | SeqNo:     | 10500       |        |          |               |                     |           |          |      |
| Analyte    |         | Result    | PQL              | SPK value  | SPK Ref Val | %REC   | LowLimit | HighLimit     | RPD Ref Val         | %RPD      | RPDLimit | Qual |
| Arsenic    |         | ND        | 1                |            |             |        |          |               |                     |           |          |      |
| Barium     |         | ND        | 1                |            |             |        |          |               |                     |           |          |      |
| Cadmium    |         | ND        | 0.05             |            |             |        |          |               |                     |           |          |      |
| Chromium   |         | ND        | 0.25             |            |             |        |          |               |                     |           |          |      |
| Lead       |         | ND        | 1                |            |             |        |          |               |                     |           |          |      |
| Selenium   |         | ND        | 1                |            |             |        |          |               |                     |           |          |      |
| Silver     |         | ND        | 1                |            |             |        |          |               |                     |           |          |      |

|            |          |           |              |            |             |        |          |               |             |           |          |      |
|------------|----------|-----------|--------------|------------|-------------|--------|----------|---------------|-------------|-----------|----------|------|
| Sample ID  | MB-R7644 | Batch ID: | R7644        | Test Code: | SW7471      | Units: | mg/Kg    | Analysis Date | 2/1/2000    | Prep Date | 2/1/2000 |      |
| Client ID: |          | Run ID:   | CVAA_000201A | SeqNo:     | 9955        |        |          |               |             |           |          |      |
| Analyte    |          | Result    | PQL          | SPK value  | SPK Ref Val | %REC   | LowLimit | HighLimit     | RPD Ref Val | %RPD      | RPDLimit | Qual |
| Mercury    |          | ND        | 0.02         |            |             |        |          |               |             |           |          |      |

|                   |      |           |              |            |             |        |          |               |             |           |          |      |
|-------------------|------|-----------|--------------|------------|-------------|--------|----------|---------------|-------------|-----------|----------|------|
| Sample ID         | MBLK | Batch ID: | 2613         | Test Code: | NWTPH-Dx    | Units: | mg/Kg    | Analysis Date | 2/1/2000    | Prep Date | 2/1/2000 |      |
| Client ID:        |      | Run ID:   | GC-M_000201A | SeqNo:     | 9978        |        |          |               |             |           |          |      |
| Analyte           |      | Result    | PQL          | SPK value  | SPK Ref Val | %REC   | LowLimit | HighLimit     | RPD Ref Val | %RPD      | RPDLimit | Qual |
| Diesel            |      | ND        | 15           |            |             |        |          |               |             |           |          |      |
| Lube Oil          |      | ND        | 50           |            |             |        |          |               |             |           |          |      |
| Surr: o-Terphenyl |      | 83        | 1            | 100        | 0           | 83     | 50       | 150           | 0           |           |          |      |

**CLIENT:** Gary's Cannon Beach Service Cntr, Inc.  
**Work Order:** 0001169  
**Project:** Tank #1, ABBK #319

## QC SUMMARY REPORT

Method Blank

|                   |      |           |              |            |             |        |          |               |             |           |          |      |
|-------------------|------|-----------|--------------|------------|-------------|--------|----------|---------------|-------------|-----------|----------|------|
| Sample ID         | MBLK | Batch ID: | 2613         | Test Code: | NWTPH-Dx    | Units: | mg/Kg    | Analysis Date | 2/2/2000    | Prep Date | 2/1/2000 |      |
| Client ID:        |      | Run ID:   | GC-M_000202A | SeqNo:     | 10002       |        |          |               |             |           |          |      |
| Analyte           |      | Result    | PQL          | SPK value  | SPK Ref Val | %REC   | LowLimit | HighLimit     | RPD Ref Val | %RPD      | RPDLimit | Qual |
| Diesel            |      | ND        | 15           |            |             |        |          |               |             |           |          |      |
| Lube Oil          |      | ND        | 50           |            |             |        |          |               |             |           |          |      |
| Surr: o-Terphenyl |      | 83        | 1            | 100        | 0           | 83     | 50       | 150           | 0           |           |          |      |

|                   |      |           |              |            |             |        |          |               |             |           |           |      |
|-------------------|------|-----------|--------------|------------|-------------|--------|----------|---------------|-------------|-----------|-----------|------|
| Sample ID         | MBLK | Batch ID: | 2608         | Test Code: | NWTPH-Dx    | Units: | mg/L     | Analysis Date | 2/1/2000    | Prep Date | 1/31/2000 |      |
| Client ID:        |      | Run ID:   | GC-M_000201B | SeqNo:     | 10058       |        |          |               |             |           |           |      |
| Analyte           |      | Result    | PQL          | SPK value  | SPK Ref Val | %REC   | LowLimit | HighLimit     | RPD Ref Val | %RPD      | RPDLimit  | Qual |
| Diesel            |      | 0.27      | 0.25         |            |             |        |          |               |             |           |           | B    |
| Lube Oil          |      | ND        | 0.5          |            |             |        |          |               |             |           |           |      |
| Surr: o-Terphenyl |      | 75        | 1            | 100        | 0           | 75     | 50       | 150           | 0           |           |           |      |

# Specialty Analytical

Date: 19-Feb-00

CLIENT: Gary's Cannon Beach Service Cntr, Inc.

Work Order: 0001169

Project: Tank #1, ABBK #319

## QC SUMMARY REPORT

Sample Duplicate

| Sample ID  | 0001169-02B DUP | Batch ID: | 2616             | Test Code:  | E6010 | Units:   | mg/Kg     | Analysis Date | 2/2/2000 9:05:00 PM | Prep Date | 2/1/2000 |
|------------|-----------------|-----------|------------------|-------------|-------|----------|-----------|---------------|---------------------|-----------|----------|
| Client ID: | #2 Contaminated | Run ID:   | TJA IRIS_000202C | SeqNo:      | 10503 |          |           |               |                     |           |          |
| Analyte    | Result          | PQL       | SPK value        | SPK Ref Val | %REC  | LowLimit | HighLimit | RPD Ref Val   | %RPD                | RPDLimit  | Qual     |
| Arsenic    | ND              | 1         | 0                | 0           | 0     | 0        | 0         | 3.883         | 0                   | 20        |          |
| Barium     | 185             | 1         | 0                | 0           | 0     | 0        | 0         | 46.60         | 120                 | 20        | R        |
| Cadmium    | ND              | 0.05      | 0                | 0           | 0     | 0        | 0         | 0.4854        | 0                   | 20        |          |
| Chromium   | 5               | 0.25      | 0                | 0           | 0     | 0        | 0         | 5.339         | 6.57                | 20        |          |
| Lead       | 371.5           | 1         | 0                | 0           | 0     | 0        | 0         | 734.4         | 65.6                | 20        | R        |
| Selenium   | ND              | 1         | 0                | 0           | 0     | 0        | 0         | 0.4854        | 0                   | 20        |          |
| Silver     | ND              | 1         | 0                | 0           | 0     | 0        | 0         | 0.3145        | 0                   | 20        |          |

| Sample ID  | 0001169-03BDUP    | Batch ID: | R7644        | Test Code:  | SW7471 | Units:   | mg/Kg     | Analysis Date | 2/1/2000 | Prep Date | 2/1/2000 |
|------------|-------------------|-----------|--------------|-------------|--------|----------|-----------|---------------|----------|-----------|----------|
| Client ID: | #3 W. Side of Tan | Run ID:   | CVAA_000201A | SeqNo:      | 9960   |          |           |               |          |           |          |
| Analyte    | Result            | PQL       | SPK value    | SPK Ref Val | %REC   | LowLimit | HighLimit | RPD Ref Val   | %RPD     | RPDLimit  | Qual     |
| Mercury    | ND                | 0.02      | 0            | 0           | 0      | 0        | 0         | 0             | 0        | 20        |          |

| Sample ID  | 0001166-01ADUP | Batch ID: | 2613         | Test Code:  | NWTPH-Dx | Units:   | mg/Kg-dry | Analysis Date | 2/1/2000 | Prep Date | 2/1/2000 |
|------------|----------------|-----------|--------------|-------------|----------|----------|-----------|---------------|----------|-----------|----------|
| Client ID: |                | Run ID:   | GC-M_000201A | SeqNo:      | 9985     |          |           |               |          |           |          |
| Analyte    | Result         | PQL       | SPK value    | SPK Ref Val | %REC     | LowLimit | HighLimit | RPD Ref Val   | %RPD     | RPDLimit  | Qual     |
| Diesel     | ND             | 18.1      | 0            | 0           | 0        | 0        | 0         | 0             | 0        | 20        | A3       |
| Lube Oil   | 349.6          | 60.2      | 0            | 0           | 0        | 0        | 0         | 325.0         | 7.28     | 20        |          |

**CLIENT:** Gary's Cannon Beach Service Cntr, Inc.  
**Work Order:** 0001169  
**Project:** Tank #1, ABBK #319

## QC SUMMARY REPORT

Sample Duplicate

|                          |        |                      |           |                     |      |                  |           |                        |      |                    |      |
|--------------------------|--------|----------------------|-----------|---------------------|------|------------------|-----------|------------------------|------|--------------------|------|
| Sample ID 0001164-01ADUP |        | Batch ID: 2613       |           | Test Code: NWTPH-Dx |      | Units: mg/Kg-dry |           | Analysis Date 2/1/2000 |      | Prep Date 2/1/2000 |      |
| Client ID:               |        | Run ID: GC-M_000201A |           |                     |      | SeqNo: 9987      |           |                        |      |                    |      |
| Analyte                  | Result | PQL                  | SPK value | SPK Ref Val         | %REC | LowLimit         | HighLimit | RPD Ref Val            | %RPD | RPDLimit           | Qual |
| Diesel                   | ND     | 22.7                 | 0         | 0                   | 0    | 0                | 0         | 0                      | 0    | 20                 |      |
| Lube Oil                 | ND     | 75.8                 | 0         | 0                   | 0    | 0                | 0         | 0                      | 0    | 20                 |      |

# Specialty Analytical

Date: 19-Feb-00

CLIENT: Gary's Cannon Beach Service Cntr, Inc.  
Work Order: 0001169  
Project: Tank #1, ABBK #319

## QC SUMMARY REPORT

Sample Matrix Spike

| Sample ID  | 0001169-02B MS  | Batch ID: | 2616             | Test Code:  | E6010 | Units:   | mg/Kg     | Analysis Date | 2/2/2000 9:09:00 PM | Prep Date | 2/1/2000 |
|------------|-----------------|-----------|------------------|-------------|-------|----------|-----------|---------------|---------------------|-----------|----------|
| Client ID: | #2 Contaminated | Run ID:   | TJA IRIS_000202C | SeqNo:      | 10504 |          |           |               |                     |           |          |
| Analyte    | Result          | PQL       | SPK value        | SPK Ref Val | %REC  | LowLimit | HighLimit | RPD Ref Val   | %RPD                | RPDLimit  | Qual     |
| Arsenic    | 1021            | 1         | 1000             | 3.883       | 102   | 47.3     | 121       | 0             |                     |           |          |
| Barium     | 382.5           | 1         | 250              | 46.6        | 134   | 46       | 138       | 0             |                     |           |          |
| Cadmium    | 25              | 0.05      | 25               | 0.4854      | 98.1  | 45.5     | 120       | 0             |                     |           |          |
| Chromium   | 202.5           | 0.25      | 250              | 5.339       | 78.9  | 40.4     | 134       | 0             |                     |           |          |
| Lead       | 650.5           | 1         | 250              | 734.4       | -33.6 | 51.6     | 105       | 0             |                     |           | S,RP     |
| Selenium   | 1024            | 1         | 1000             | 0.4854      | 102   | 41.4     | 131       | 0             |                     |           |          |
| Silver     | 90.5            | 1         | 100              | 0.3145      | 90.2  | 52.3     | 119       | 0             |                     |           |          |

| Sample ID  | 0001169-02B MSD | Batch ID: | 2616             | Test Code:  | E6010 | Units:   | mg/Kg     | Analysis Date | 2/2/2000 9:14:00 PM | Prep Date | 2/1/2000 |
|------------|-----------------|-----------|------------------|-------------|-------|----------|-----------|---------------|---------------------|-----------|----------|
| Client ID: | #2 Contaminated | Run ID:   | TJA IRIS_000202C | SeqNo:      | 10505 |          |           |               |                     |           |          |
| Analyte    | Result          | PQL       | SPK value        | SPK Ref Val | %REC  | LowLimit | HighLimit | RPD Ref Val   | %RPD                | RPDLimit  | Qual     |
| Arsenic    | 1028            | 1         | 1000             | 3.883       | 102   | 47.3     | 121       | 1,021         | 0.686               | 20        |          |
| Barium     | 377             | 1         | 250              | 46.6        | 132   | 46       | 138       | 382.5         | 1.65                | 20        |          |
| Cadmium    | 25              | 0.05      | 25               | 0.4854      | 98.1  | 45.5     | 120       | 25.00         | 0                   | 20        |          |
| Chromium   | 208             | 0.25      | 250              | 5.339       | 81.1  | 40.4     | 134       | 202.5         | 2.75                | 20        |          |
| Lead       | 549             | 1         | 250              | 734.4       | -74.2 | 51.6     | 105       | 650.5         | -75.4               | 20        | S,RP     |
| Selenium   | 1024            | 1         | 1000             | 0.4854      | 102   | 41.4     | 131       | 1,024         | 0                   | 20        |          |
| Silver     | 93              | 1         | 100              | 0.3145      | 92.7  | 52.3     | 119       | 90.50         | 2.73                | 20        |          |

| Sample ID  | 0001169-03BMS     | Batch ID: | R7644        | Test Code:  | SW7471 | Units:   | mg/Kg     | Analysis Date | 2/1/2000 | Prep Date | 2/1/2000 |
|------------|-------------------|-----------|--------------|-------------|--------|----------|-----------|---------------|----------|-----------|----------|
| Client ID: | #3 W. Side of Tan | Run ID:   | CVAA_000201A | SeqNo:      | 9961   |          |           |               |          |           |          |
| Analyte    | Result            | PQL       | SPK value    | SPK Ref Val | %REC   | LowLimit | HighLimit | RPD Ref Val   | %RPD     | RPDLimit  | Qual     |
| Mercury    | 0.178             | 0.02      | 0.167        | 0           | 107    | 75       | 125       | 0             |          |           |          |

**CLIENT:** Gary's Cannon Beach Service Cntr, Inc.  
**Work Order:** 0001169  
**Project:** Tank #1, ABBK #319

**QC SUMMARY REPORT**  
Sample Matrix Spike Duplicate

|            |                   |           |              |            |             |        |          |               |             |           |          |      |
|------------|-------------------|-----------|--------------|------------|-------------|--------|----------|---------------|-------------|-----------|----------|------|
| Sample ID  | 0001169-03BMSD    | Batch ID: | R7644        | Test Code: | SW7471      | Units: | mg/Kg    | Analysis Date | 2/1/2000    | Prep Date | 2/1/2000 |      |
| Client ID: | #3 W. Side of Tan | Run ID:   | CVAA_000201A | SeqNo:     | 9962        |        |          |               |             |           |          |      |
| Analyte    |                   | Result    | PQL          | SPK value  | SPK Ref Val | %REC   | LowLimit | HighLimit     | RPD Ref Val | %RPD      | RPDLimit | Qual |
| Mercury    |                   | 0.175     | 0.02         | 0.167      | 0           | 105    | 75       | 125           | 0.1780      | 1.7       | 20       |      |

## Specialty Analytical

Date: 19-Feb-00

CLIENT: Gary's Cannon Beach Service Cntr, Inc.

Work Order: 0001169

Project: Tank #1, ABBK #319

## QC SUMMARY REPORT

Laboratory Control Spike - generic

|            |          |                |                  |              |               |                     |           |             |      |          |      |
|------------|----------|----------------|------------------|--------------|---------------|---------------------|-----------|-------------|------|----------|------|
| Sample ID  | LCS-2616 | Batch ID: 2616 | Test Code: E6010 | Units: mg/Kg | Analysis Date | 2/2/2000 8:41:00 PM | Prep Date | 2/1/2000    |      |          |      |
| Client ID: |          | Run ID:        | TJA IRIS_000202C |              | SeqNo:        | 10501               |           |             |      |          |      |
| Analyte    | Result   | PQL            | SPK value        | SPK Ref Val  | %REC          | LowLimit            | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic    | 1056     | 1              | 1000             | 0            | 106           | 82.2                | 116       | 0           |      |          |      |
| Barium     | 257.5    | 1              | 250              | 0            | 103           | 85.2                | 117       | 0           |      |          |      |
| Cadmium    | 25.5     | 0.05           | 25               | 0            | 102           | 85                  | 114       | 0           |      |          |      |
| Chromium   | 247      | 0.25           | 250              | 0            | 98.8          | 85.6                | 116       | 0           |      |          |      |
| Lead       | 245      | 1              | 250              | 0            | 98            | 84.9                | 114       | 0           |      |          |      |
| Selenium   | 1066     | 1              | 1000             | 0            | 107           | 80.2                | 117       | 0           |      |          |      |
| Silver     | 103.5    | 1              | 100              | 0            | 103           | 69                  | 128       | 0           |      |          |      |

|            |           |                 |                   |              |                        |          |           |             |                    |          |      |
|------------|-----------|-----------------|-------------------|--------------|------------------------|----------|-----------|-------------|--------------------|----------|------|
| Sample ID  | LCS-R7644 | Batch ID: R7644 | Test Code: SW7471 | Units: mg/Kg | Analysis Date 2/1/2000 |          |           |             | Prep Date 2/1/2000 |          |      |
| Client ID: |           | Run ID:         | CVAA_000201A      |              | SeqNo: 9956            |          |           |             |                    |          |      |
| Analyte    | Result    | PQL             | SPK value         | SPK Ref Val  | %REC                   | LowLimit | HighLimit | RPD Ref Val | %RPD               | RPDLimit | Qual |
| Mercury    | 0.199     | 0.02            | 0.208             | 0            | 95.7                   | 75       | 125       | 0           |                    |          |      |

|            |        |                |                     |              |                        |          |           |             |                    |          |      |
|------------|--------|----------------|---------------------|--------------|------------------------|----------|-----------|-------------|--------------------|----------|------|
| Sample ID  | LCS    | Batch ID: 2613 | Test Code: NWTPH-Dx | Units: mg/Kg | Analysis Date 2/1/2000 |          |           |             | Prep Date 2/1/2000 |          |      |
| Client ID: |        | Run ID:        | GC-M_000201A        |              | SeqNo: 9979            |          |           |             |                    |          |      |
| Analyte    | Result | PQL            | SPK value           | SPK Ref Val  | %REC                   | LowLimit | HighLimit | RPD Ref Val | %RPD               | RPDLimit | Qual |
| Lube Oil   | 169.4  | 50             | 172.4               | 0            | 98.2                   | 74.9     | 124       | 0           |                    |          |      |

|            |        |                |                     |              |               |          |           |             |      |          |      |
|------------|--------|----------------|---------------------|--------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID  | LCS1   | Batch ID: 2613 | Test Code: NWTPH-Dx | Units: mg/Kg | Analysis Date | 2/1/2000 | Prep Date | 2/1/2000    |      |          |      |
| Client ID: |        | Run ID:        | GC-M_000201A        |              | SeqNo:        | 9980     |           |             |      |          |      |
| Analyte    | Result | PQL            | SPK value           | SPK Ref Val  | %REC          | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel     | 164.9  | 15             | 167.2               | 0            | 98.6          | 91.4     | 114       | 0           |      |          |      |

**CLIENT:** Gary's Cannon Beach Service Cntr, Inc.  
**Work Order:** 0001169  
**Project:** Tank #1, ABBK #319

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

|            |     |           |              |            |             |        |          |               |             |           |           |      |
|------------|-----|-----------|--------------|------------|-------------|--------|----------|---------------|-------------|-----------|-----------|------|
| Sample ID  | LCS | Batch ID: | 2608         | Test Code: | NWTPH-Dx    | Units: | mg/L     | Analysis Date | 2/1/2000    | Prep Date | 1/31/2000 |      |
| Client ID: |     | Run ID:   | GC-M_000201B | SeqNo:     | 10059       |        |          |               |             |           |           |      |
| Analyte    |     | Result    | PQL          | SPK value  | SPK Ref Val | %REC   | LowLimit | HighLimit     | RPD Ref Val | %RPD      | RPDLimit  | Qual |
| Diesel     |     | 4.12      | 0.25         | 5.01       | 0.27        | 76.8   | 55       | 111           | 0           |           |           | B    |

|            |      |           |              |            |             |        |          |               |             |           |           |      |
|------------|------|-----------|--------------|------------|-------------|--------|----------|---------------|-------------|-----------|-----------|------|
| Sample ID  | LCS1 | Batch ID: | 2608         | Test Code: | NWTPH-Dx    | Units: | mg/L     | Analysis Date | 2/1/2000    | Prep Date | 1/31/2000 |      |
| Client ID: |      | Run ID:   | GC-M_000201B | SeqNo:     | 10061       |        |          |               |             |           |           |      |
| Analyte    |      | Result    | PQL          | SPK value  | SPK Ref Val | %REC   | LowLimit | HighLimit     | RPD Ref Val | %RPD      | RPDLimit  | Qual |
| Lube Oil   |      | 4.87      | 0.5          | 5          | 0           | 97.4   | 56.7     | 114           | 0           |           |           |      |



# Specialty Analytical

Date: 19-Feb-00

CLIENT: Gary's Cannon Beach Service Cntr, Inc.  
 Work Order: 0001169  
 Project: Tank #1, ABBK #319

## QC SUMMARY REPORT

Continuing Calibration Verification Standard

|            |        |                |                  |              |               |                     |           |             |           |          |      |
|------------|--------|----------------|------------------|--------------|---------------|---------------------|-----------|-------------|-----------|----------|------|
| Sample ID  | CCV    | Batch ID: 2616 | Test Code: E6010 | Units: mg/Kg | Analysis Date | 2/2/2000 9:57:00 PM |           |             | Prep Date | 2/1/2000 |      |
| Client ID: |        | Run ID:        | TJA IRIS_000202C |              | SeqNo:        | 10509               |           |             |           |          |      |
| Analyte    | Result | PQL            | SPK value        | SPK Ref Val  | %REC          | LowLimit            | HighLimit | RPD Ref Val | %RPD      | RPDLimit | Qual |
| Arsenic    | 1024   | 1              | 1000             | 0            | 102           | 90                  | 110       | 0           |           |          |      |
| Barium     | 263.5  | 1              | 250              | 0            | 105           | 90                  | 110       | 0           |           |          |      |
| Cadmium    | 25.5   | 0.05           | 25               | 0            | 102           | 90                  | 110       | 0           |           |          |      |
| Chromium   | 230.5  | 0.25           | 250              | 0            | 92.2          | 90                  | 110       | 0           |           |          |      |
| Lead       | 256.5  | 1              | 250              | 0            | 103           | 90                  | 110       | 0           |           |          |      |
| Selenium   | 1084   | 1              | 1000             | 0            | 108           | 90                  | 110       | 0           |           |          |      |
| Silver     | 92     | 1              | 100              | 0            | 92            | 90                  | 110       | 0           |           |          |      |

|            |        |                 |                   |              |               |          |           |             |      |          |      |
|------------|--------|-----------------|-------------------|--------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID  | CCV    | Batch ID: R7644 | Test Code: SW7471 | Units: mg/Kg | Analysis Date | 2/1/2000 | Prep Date | 2/1/2000    |      |          |      |
| Client ID: |        | Run ID:         | CVAA_000201A      |              | SeqNo:        | 9964     |           |             |      |          |      |
| Analyte    | Result | PQL             | SPK value         | SPK Ref Val  | %REC          | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Mercury    | 0.193  | 0.02            | 0.208             | 0            | 92.8          | 90       | 110       | 0           |      |          |      |

|            |        |                |                     |              |                         |          |           |             |           |          |      |
|------------|--------|----------------|---------------------|--------------|-------------------------|----------|-----------|-------------|-----------|----------|------|
| Sample ID  | CCV    | Batch ID: 2613 | Test Code: NWTPH-Dx | Units: mg/Kg | Analysis Date: 2/1/2000 |          |           |             | Prep Date |          |      |
| Client ID: |        | Run ID:        | GC-M_000201A        |              | SeqNo:                  |          | 9990      |             |           |          |      |
| Analyte    | Result | PQL            | SPK value           | SPK Ref Val  | %REC                    | LowLimit | HighLimit | RPD Ref Val | %RPD      | RPDLimit | Qual |
| Diesel     | 1044   | 15             | 1004                | 0            | 104                     | 85       | 115       | 0           |           |          |      |
| Lube Oil   | 503.4  | 50             | 494                 | 0            | 102                     | 85       | 115       | 0           |           |          |      |

**CLIENT:** Gary's Cannon Beach Service Cntr, Inc.  
**Work Order:** 0001169  
**Project:** Tank #1, ABBK #319

**QC SUMMARY REPORT**  
 Continuing Calibration Verification Standard

|            |     |                |                      |              |                        |      |          |           |             |      |          |      |
|------------|-----|----------------|----------------------|--------------|------------------------|------|----------|-----------|-------------|------|----------|------|
| Sample ID  | CCV | Batch ID: 2613 | Test Code: NWTPH-Dx  | Units: mg/Kg | Analysis Date 2/1/2000 |      |          |           | Prep Date   |      |          |      |
| Client ID: |     |                | Run ID: GC-M_000201A |              | SeqNo: 10001           |      |          |           |             |      |          |      |
| Analyte    |     | Result         | PQL                  | SPK value    | SPK Ref Val            | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel     |     | 1056           | 15                   | 1004         | 0                      | 105  | 85       | 115       | 0           |      |          |      |
| Lube Oil   |     | 478.6          | 50                   | 494          | 0                      | 96.9 | 85       | 115       | 0           |      |          |      |

|            |     |                |                      |              |                        |      |          |           |                    |      |          |      |
|------------|-----|----------------|----------------------|--------------|------------------------|------|----------|-----------|--------------------|------|----------|------|
| Sample ID  | CCV | Batch ID: 2613 | Test Code: NWTPH-Dx  | Units: mg/Kg | Analysis Date 2/2/2000 |      |          |           | Prep Date 2/1/2000 |      |          |      |
| Client ID: |     |                | Run ID: GC-M_000202A |              | SeqNo: 10003           |      |          |           |                    |      |          |      |
| Analyte    |     | Result         | PQL                  | SPK value    | SPK Ref Val            | %REC | LowLimit | HighLimit | RPD Ref Val        | %RPD | RPDLimit | Qual |
| Diesel     |     | 1053           | 15                   | 1004         | 0                      | 105  | 85       | 115       | 0                  |      |          |      |
| Lube Oil   |     | 486.7          | 50                   | 494          | 0                      | 98.5 | 85       | 115       | 0                  |      |          |      |

|            |     |                |                      |             |               |          |           |           |             |      |          |      |
|------------|-----|----------------|----------------------|-------------|---------------|----------|-----------|-----------|-------------|------|----------|------|
| Sample ID  | CCV | Batch ID: 2608 | Test Code: NWTPH-Dx  | Units: mg/L | Analysis Date | 2/1/2000 | Prep Date | 1/31/2000 |             |      |          |      |
| Client ID: |     |                | Run ID: GC-M_000201B |             | SeqNo:        | 10060    |           |           |             |      |          |      |
| Analyte    |     | Result         | PQL                  | SPK value   | SPK Ref Val   | %REC     | LowLimit  | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Diesel     |     | 1068           | 0.25                 | 1004        | 0             | 106      | 85        | 115       | 0           |      |          | B    |
| Lube Oil   |     | 473.3          | 0.5                  | 494         | 0             | 95.8     | 85        | 115       | 0           |      |          |      |

# KEY TO FLAGS

- A. This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards.
- A1. This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2. This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against lube oil calibration standards.
- A3. Results determined to be non detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- B. The blank exhibited a positive result greater than the reporting limit for this compound.
- C. The result confirmed by secondary column or GC/MS analysis.
- CN. See case narrative.
- CR. Result for this analyte maybe biased due to interferences. Confirmation by GC/MS or other technique is recommended.
- Dil. Surrogate was diluted outside reporting range.
- E. Result exceeds the calibration range for the compound. The result should be considered an estimate.
- F. The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- H. Sample was analyzed outside recommended holding times.
- HT. At clients request, sample was analyzed outside method recommended holding time.
- J. The result for this analyte is between the MDL and the PQL, and should be considered an estimated concentration.
- K. Diesel result is biased high due to amount of oil contained in the sample.
- L. Diesel result is biased high due to amount of gasoline contained in the sample.
- MC. Sample concentration is greater than 4x the spiked value; the spiked value is considered insignificant.
- MI. Outside control limits due to Matrix Interference.
- MR. The Duplicate RPD is greater than 20%. The sample was re-extracted and re-analyzed with similar results. This is due to matrix interference, possibly a non-homogeneity of the sample.
- MSA. Value determined by Method of Standard Addition.
- Q. Detection limits elevated due to sample matrix.
- R. RPD control limits were exceeded.
- RF. Duplicate failed, due to result being at or near method reporting limit.
- RP. Matrix spike values exceed established QC limits, post digestion spike is in control.
- S. Recovery outside control limits.
- \*. The result for this parameter was greater than the maximum contaminant level or the TCLP regulatory limit.



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

May 10, 2000

GARY MOON  
GARY'S CANNON BEACH SERVICE  
PO BOX 428  
CANNON BEACH OR 97110

Re: GARY'S CANNON BEACH SERVICE  
File No.: 04-99-1403

Dear Mr. Moon:

I have been assigned by the Department to conduct a review of your file concerning the underground storage tank (UST) cleanup project conducted at 280 N Hemlock, in Cannon Beach, Oregon. The purpose of this letter is to notify you of the initial results of this review.

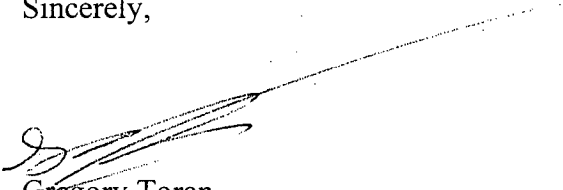
According to our records, you have not submitted any written cleanup reports, other than an initial 20-day report. These records are not adequate in demonstrating that you have properly assessed and cleaned up this property.

Following a release of petroleum from a UST system, responsible parties are required by Oregon Administrative Rules, to perform initial response, initial abatement measures, initial site characterization, and investigation for magnitude and extent of contamination, to be followed by remediation. If cleanup is not yet complete, you are required to submit an interim report to keep us informed of your progress, and this report should include the date you anticipate completing investigation and/or cleanup.

Please submit to this office, either a final or an interim report regarding the investigation and cleanup conducted at your facility, by **May 28, 2000**. Include the file number listed above with this report. A copy of the most recent UST cleanup rules is enclosed for your review.

Your cooperation in complying with the Department's cleanup rules and reporting requirements is appreciated. If you have any questions concerning these matters, feel free to contact me at 503-229-5496.

Sincerely,

  
Gregory Toran  
UST Compliance Officer

enclosure

cc: Gregory Toran-DEQ/NWR



D. U

**INITIAL (TWENTY DAY) REPORT FORM FOR UST CLEANUP PROJECTS**

This report is due twenty (20) days from the date of the release.

DEQ File No. 04 - 99 - 1403 DEQ Facility ID No. 319

Site Name: GARY'S CANNON BEACH SERVICE CENTER, INC.

Site Address: 280 N. HEMLOCK, P.O. BOX 428  
CANNON BEACH, OR, 97110

**INITIAL CLEANUP INFORMATION**

(1) Type of contamination (check all that apply):

☐ Gasoline ☐ Diesel ☒ Waste Oil ☐ Heating Oil  
☐ Other (specify) \_\_\_\_\_

(2) Estimate quantity of release (based on information known to date):

☒ <100 gal. ☐ 100-499 gal. ☐ 500-999 gal. ☐ 1,000-5,000 gal. ☐ >5,000 gal.

**SITE INFORMATION**

(3) ☒ Y Did any water enter the excavation? If yes, please describe and identify the depth to groundwater in feet below ground surface: \_\_\_\_\_

(4) ☒ Y Was a sheen or odor observed on any water in the excavation?

**NOTE: IF GROUNDWATER IS ENCOUNTERED, SOIL SAMPLES FROM THE SOIL/WATER INTERFACE MUST BE COLLECTED AND ANALYZED FOR BTEX AND APPROPRIATE TPH METHOD.**

**AT SITES WHERE DIESEL OR OTHER NON-GASOLINE PRODUCTS HAVE BEEN RELEASED, THE WATER MUST ALSO BE TESTED FOR POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS).**

(5) ☒ Y Was water pumped from the excavation?

If yes, did groundwater recharge within 24 hours after pumping? N Y

Please describe the pumping procedure and disposal option selected for the purged excavation water: \_\_\_\_\_

(6) N ☒ Y Was/were any water sample(s) collected from the excavation?

If Yes, please describe:

GROUND WATER TABLE IS AT 3 FT. (WATER SAMPLE WAS TAKEN 1' BELOW INTERFACE)

(7) ☒ Y Have any soil and/or water samples results been received at this time?

If so, please attach any lab reports.

IF GROUNDWATER HAS BEEN ENCOUNTERED, PLEASE ANSWER QUESTIONS 8-13,  
BELOW.

IF NO WATER HAS BEEN ENCOUNTERED, PLEASE SKIP TO QUESTION #14

(8) What are the known uses of groundwater within a 500 foot radius of the release site?

☒ non-use; \_\_\_ industrial; \_\_\_ agricultural; \_\_\_ drinking supply

(9) If groundwater in this area is being used as a drinking water supply, please check the following type of population and size served by the supply:

\_\_\_ Community (community well used for drinking water year round)  
size: \_\_\_ <1,000 people; \_\_\_ 1,000 - 5,000 people; \_\_\_ >5,000 people

\_\_\_ Intermittent use (public water used for drinking water only on a part-time basis)  
size: \_\_\_ <50 people; \_\_\_ 50 - 300 people; \_\_\_ > 300 people

\_\_\_ Private wells (individual private well or wells used for drinking water)  
size: \_\_\_ <10 people; \_\_\_ 10 - 25 people; \_\_\_ >25 people

(10) ☒ N Y Is there any evidence this water supply has been, or is likely to be impacted from the petroleum product release? If Yes, estimate how difficult it would be to replace the existing supply:

\_\_\_ Bottled water is the only alternative.  
\_\_\_ On-site water treatment, bulk water delivery, or new wells are available.  
\_\_\_ Able to connect to existing water supply.  
\_\_\_ Do not know what alternatives would be available.

(11) ☒ N Y Are/were there any vapors present in on-site or nearby buildings? If yes:

A. Are you monitoring and/or mitigating any potential fire and safety hazards posed by vapors and free product? Explain:

B. Estimate the number of people potentially affected by vapors:  
\_\_\_ 1-2 people; \_\_\_ 3-10 people; \_\_\_ >10 people

(12) ☒ N Y Are vapors or is petroleum contamination present in the utility corridors? If yes, please explain:

(13) N ☒ Y Are there natural areas within 1/4 mile of the site? If so, please explain type(s) (parks, rivers, wetlands, sensitive habitats, etc.) and proximity:

BEACH 150 FT.

(14) N ☒ Y If groundwater was not encountered in the excavation, do you believe that this cleanup project can be conducted under the requirements for an UST Cleanup Matrix site?

## AREA/SITE CONDITIONS:

- (15) Mean annual rainfall: \_\_\_ <20 inches; \_\_\_ 20-45 inches; ☒ >45 inches
- (16) Soil type(s) (these are naturally occurring soils, not the backfill around the tank):
- \_\_\_ clays, compact tills, shales, and unfractured metamorphic and igneous rocks
- \_\_\_ sandy loams, loamy sands, silty clays, clay loams, moderately permeable limestone, dolomite, sandstones, moderately fractured igneous and metamorphic rock.
- ☒ fine and silty sands, sands and gravels, highly fractured igneous and metamorphic rock, permeable basalts and lavas, karst limestones and dolomites.

## SOIL MANAGEMENT

- (17) N ☒ Y Will the level of contamination detected require removal of contaminated soil for treatment or disposal? (If soil sample results have been received):
- (18) All contaminated soil temporarily stockpiled onsite prior to treatment or disposal must be contained within a bermed area, kept covered, and the entire area secured to prevent unauthorized access by the public. If you haven't done this, please explain why:
- \_\_\_\_\_
- \_\_\_\_\_
- (19) If contaminated soil is currently stockpiled onsite, please indicate when disposal will occur or when treatment will begin:

BY 1-15-2000

**Note: Contaminated soil cannot be stockpiled onsite for more than thirty (30) days without applying for a Solid Waste Letter of Authorization (SWLA)**

- (20) Estimated volume of contaminated soil (tons or cubic yards): 1 CU. YRD.

- (21) Intended disposition of soils (please check one):

\_\_\_ Onsite treatment, Solid Waste Letter Authorization Permit Application attached.

☒ Offsite treatment, Solid Waste Letter Authorization Permit Application attached.

**Note: Offsite treatment of contaminated soil is banned within Portland Metro Boundaries**

\_\_\_ Thermal treatment offsite at an authorized facility.

Facility name: \_\_\_\_\_

\_\_\_ Thermal treatment onsite with a mobil treatment unit, permit required from DEQ.

Company name \_\_\_\_\_

☒ Landfill disposal. Name of Landfill: METRO

Note: Please attach additional information as necessary to explain any unusual circumstances associated with this project.

This initial report is intended to provide the Department with the basic initial information about activities associated with the release. Future reports must be much more detailed and provide a complete picture of the cleanup project.

THIS REPORT WAS PREPARED BY:

Individual: GARY MOON Phone: 503 436 2280  
Company: GARY'S CANNON BEACH SERVICE CENTER, INC.  
Address: 280 N. HEMLOCK, P.O. BOX 428  
City: CANNON BEACH State: OR. Zip: 97110

Please return this form to:

Department of Environmental Quality  
Northwest Region-USI Section  
2020 SW Fourth Avenue, Suite 400  
Portland, OR 97201

Please be aware that a DEQ permit/authorization is required for the following activities:

- 1) Soil aeration, bioremediation (on-site or off-site) or on-site thermal treatment.
- 2) Water discharges from the excavation or treatment tank.

If these activities will be included in your cleanup project, contact the regional DEQ office for the appropriate application forms, information on permit fees and guidance documents.

Note: If there will be emissions from pollution control equipment (e.g. air strippers, vapor extraction systems, etc.), notify the DEQ by phone before installation. Have actual or estimated emissions calculated before calling.

KEEP A COPY OF THIS REPORT FOR YOUR FACILITY RECORDS





# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

January 4, 2000

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

GARY MOON  
GARY'S CANNON BEACH SERVICE CENTER INC  
PO BOX 428  
CANNON BEACH OR 97110

Re: Gary's Cannon Beach Service Ctr.  
File No.: 04-99-1403

Dear Mr. Moon:

On December 30, 1999, we received the signed Cost Recovery Agreement which indicated your interest in participating in the Underground Storage Tank Cleanup Voluntary Review Program.

At the current time, we have a backlog of projects that have signed up for DEQ review through this program. These Projects are being assigned on a first come, first serve, basis. As additional staff resources become available, your project will be assigned to a DEQ project manager. It is currently taking approximately 12 months from receipt of the agreement and assignment to a project manager. If you have circumstances (property transactions, refinancing, need to conduct onsite soil treatment, etc.) that warrant more immediate assignment, please let us know at your earliest convenience so we can assign the project.

Please make sure that you continue to submit all reports on this project. This will help ensure timely review of your project once a project manager is assigned.

You will be notified as soon as your project has been assigned and provided the name and phone number of the project manager who will be working with you.

We do appreciate your interest in this program and look forward to working with you in the near future. If you have any questions about the status of your site for assignment, please contact Andree Pollock at (503) 229-5474. If you have a general questions about the regulations or cleanup activities at your site, please call (503) 229-5489 and ask to speak to the Underground Storage Tank Duty Officer.

Sincerely,

Andree Pollock, Manager  
UST Cleanup and Compliance Section

(AVP:vcb)



# Oregon

John A. Kitzhaber, M.D., Governor

December 23, 1999

Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

Gary Moon  
Gary's Arco  
280 North Hemlock  
Cannon Beach OR 97110

RE: GARY'S CANNON BEACH SERVICE CENTER  
INC

File No.: 04-99-1403

On 12/21/1999, a release was reported from an underground storage tank (UST) system at your facility located at 280 N HEMLOCK in CANNON BEACH, Oregon. As the responsible party for the facility, you are required to clean up the release according to OAR 340-122-201 through 340-122-360.

An Initial Report Form for UST Cleanup Projects is enclosed. This form needs to be completed and returned to this office within twenty (20) days from the date the release was reported. An outline of additional reporting requirements and due dates is also enclosed. A copy of the UST Cleanup regulations or an application for a letter of authorization for soil treatment will be provided upon request. As the responsible party, you should be aware of the requirements for cleanup, even if you have hired a qualified contractor or consultant to assist you.

**Please reference the DEQ File Number listed above in all future correspondence and reports.**

By law, DEQ is required to recover project oversight costs. DEQ oversight begins with the initial site characterization and continues through site closure. Oversight includes activities such as reviewing reports, preparing correspondence, answering technical questions, site inspections, and enforcement actions. **You will be receiving an invoice each month for all oversight activities performed to date.**

DEQ's highest priority for oversight are those sites which pose the greatest hazard to human health, safety and the environment. As a result, many lower environmental priority sites will not be reviewed in detail or receive a final "No further action" or "closure" letter from DEQ until the higher priority sites are addressed. However, all projects - simple or complex - require at least some oversight. At a minimum, sufficient review of reports and data submitted is conducted to determine the environmental priority of the cleanup project.

Page Two

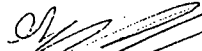
For those responsible parties who desire DEQ oversight, regardless of environmental priority, we have developed a Responsible Party Priority Site Program. To receive oversight and more effectively schedule your project, you will be asked to sign an agreement requesting priority review and confirming your agreement to pay DEQ oversight costs in a timely manner.

Not entering into the Agreement does not release you from responsibility for investigation and/or cleanup of the contamination; nor does it mean that you are exempt from paying for DEQ oversight costs. Please be aware that there may be a waiting list for assignment to the next available project manager, and that these projects are assigned on a first come, first served basis.

Please read the attached information on the cost recovery and invoice process. We have also included information about the Responsible Party Priority Site Program and an agreement, if you are interested in expediting review of your project. You may contact the Waste Management and Cleanup Program at (503) 229-6635 if you have questions about cost recovery.

Thank you for your cooperation and continued efforts to comply with the regulations. If you have any questions about the regulations and/or your cleanup project, please call (503) 229-5263 and ask to speak to the Underground Storage Tank Duty Officer.

Sincerely,



Greg Toran, Duty Officer  
Underground Storage Tanks  
Cleanup and Compliance Section

Enclosures