

CAYUSE ENVIRONMENTAL  
60 Olden Way  
Toppenish, WA 98948  
(509) 865-5086

DK  
LUST  
Site # 102185  
CC 10815

July 29, 1994

Miok Kellogg  
10605 Wide Hollow Rd.  
Yakima, WA 98908

Re: Removal of 4 gasoline underground storage tanks located on  
Wide Hollow Road, Yakima, Washington

Dear Miok:

Enclosed please find three (3) copies of a Closure Site Assessment Report as required by the Washington State Department of Ecology (WSDOE). Based on the data and findings reported herein, we find evidence of a petroleum release into the soil underneath the three 500 gallon gasoline tanks which exceeds the Method A Clean-up levels set forth by the WSDOE Guidance for Site Checks and Site Assessment for Underground Storage Tanks/

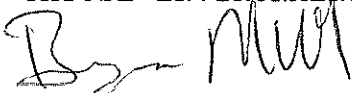
The WSDOE requires that you retain this report for a minimum of ten (10) years. We recommend that you retain it indefinitely. The WSDOE also requires us to submit a copy of the Underground Storage Tank Site Check/Site Assessment check list. It is attached to this report. The WSDOE also requires us to submit a copy of the Notice to Permanent Closure of Underground Storage Tanks. This form is also attached to this report.

We appreciate the opportunity to provide you with technical assistance for your tank closure.

Please do not hesitate to call if you have any questions or need any additional information.

Sincerely,

CAYUSE ENVIRONMENTAL



Bryan Mull  
Project Manager

BM:BC/rh  
Enc.

## EXECUTIVE SUMMARY

Cayuse Environmental (CE) provided the Closure Site Assessment Service upon removal of one 2,000 gallon gasoline and three 500 gallon gasoline storage tanks. Before excavation began, two of the tanks were unknown to exist. Ken's Construction of Wapato, Washington provided excavation and back fill services.

After the 2,000 gallon tank was excavated and sampled, we started on the 500 gallon tank. After removing that tank, two more 500 gallon tanks were discovered. These tanks were very old. I talked with the man who owned the tanks for the past 20 years, and he said he had no idea the tanks were there. Samples were taken and sent to Spectra Labs of Tacoma, Washington. The samples showed levels of petroleum contamination above Method A Clean-up levels. Also, the site has high levels of lead contamination. This site will need to be cleaned up to Method A levels before a clean "Bill of Health" can be obtained for this site.

## 1.0 INTRODUCTION

### 1.1 Purpose.

This report describes findings and actions taken for work associated with the removal of four (4) underground storage tanks. The work and investigation responds to regulatory requirements set forth by the United States Environmental Protection Agency (EPA) and the Washington State Department of Ecology (WSDOE).

### 1.2 Scope of Work.

This report completes the Closure Site Assessment Services provided by Cayuse Environmental (CE) for four (4) underground storage tanks located at 10605 Wide Hollow Road, Yakima, Washington. The underground storage tank system consisted of one 2,000 gallon and three 500 gallon steel underground storage tanks and associated piping. CE was hired to provide technical assistance.

## 2.0 BACKGROUND INFORMATION

### 2.1 Site Location.

The site is located at 10605 Wide Hollow Road, Yakima, Washington in the SE $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 25, Township 13 North, Range 17 East, Willamette Meridian. (See site map on next page.)

### 2.2 Site Description and History.

When the job began, it was for the removal of two gasoline underground storage tanks. After the removal of both tanks, it was discovered there were two more gasoline storage tanks which were not known to exist before.

The site has been a service station for over 30 years. Because the property changed hands so many times, this could account for the reason no one knew about the two other tanks.

### 2.3 Soils Description.

Inspection of the soil around the tank excavation was found to be a mixture of sand and river gravel which is native to the Yakima area.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

SEE PAGE 22

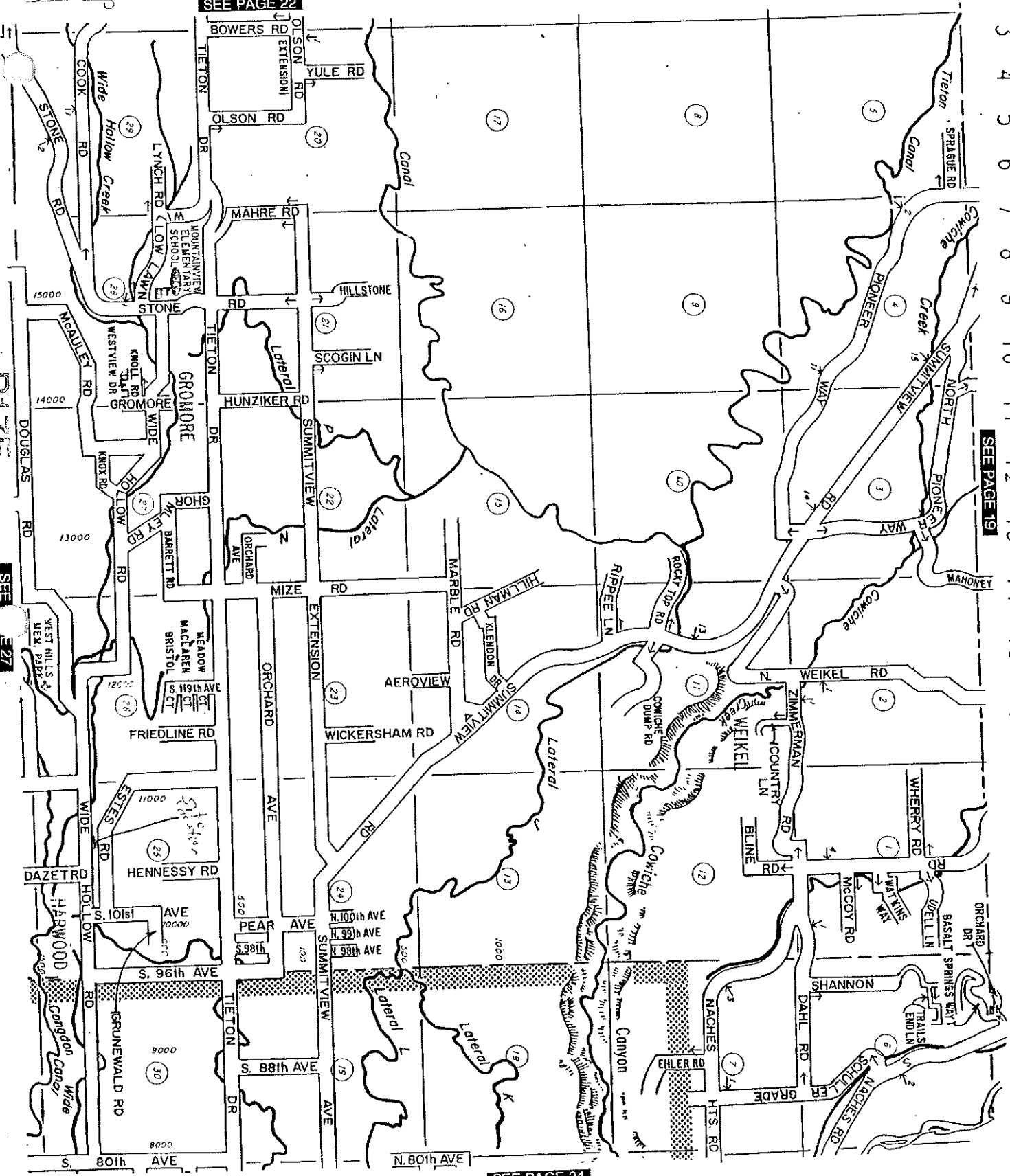
SEE PAGE 19

SEE PAGE 24

© PHOENIX MAPS 1993

R17E

SEE E 27



UPPER YAKIMA CO.

### 3.0 FIELD ACTIVITIES

#### 3.1 General Investigative Methods.

After the UST's were removed, the area was visually inspected. Interviews with former owner and analytical laboratory analyses were used for data. The methods and general conclusions are discussed below.

#### 3.2 Tank Removal and Cleaning.

Ken's Construction of Wapato, Washington provided equipment needed for tank removal and back fill.

The tanks were dry-iced, cut open and cleaned for disposal by Cayuse Environmental. The tanks were disposed of by Ken's Construction of Wapato, Washington. The tanks were cut up for scrap metal. All work was done within the WSDOE Tank Removal Guidelines.

#### 3.3 Tank Inspection.

Upon removal of the UST's, attached soil and scale were removed to completely expose the tanks. Mild corrosion was noted on the 2,000 gallon tank and the same with the 500 gallon tank. The two previously unknown 500 gallon gasoline tanks had holes in the bottoms of both.

#### 3.4 Closure Site Assessment.

Bryan Mull, project manager for CE, who is registered with the Washington State Department of Ecology Underground Storage Tank Program, performed the Closure Site Assessment on July 11, 1994. Representative soil samples were collected in the excavation after the tanks were removed, as required by the WSDOE Guidance For Site Check and Site Assessment For Underground Storage Tanks.

### 4.0 INVESTIGATIVE METHODS AND RESULTS

#### 4.1 Soil Samples.

A soil sample location map shows the location and quantity of samples taken. In general, samples, collection and control followed the following protocol:

1. Select a laboratory certified clean sample jar for sample collection.

2. Using clean latex gloves and clean sampling utensils (tri-sodium phosphate, chlorine solution, tap water rinse and distilled water rinse cycle). Tightly pack the soil samples in the sample jar (4 oz.) to the top of the jar to prevent any air space.

3. Label the jar with soil sample number, the type of laboratory test required, the date, name of site and sampler. The sample is then entered on the Chain of Custody form.

4. Cool the samples in wet ice to approximately 4 degrees centigrade.

5. Repack the samples for shipment to the laboratory in blue ice and a cooler.

6. Relinquish samples to courier for shipment to the laboratory.

#### 4.2 Ground Water.

No ground water was encountered.

#### 4.3 Laboratory Analysis.

Soil samples taken were sent to Spectra Labs of Tacoma, Washington for laboratory analysis. The results and map showing sample location are on the back of the report.

An overview of the test is the 2,000 gallon tank showed no signs of release of petroleum products.

However, two of the tanks had holes in the bottoms and released gasoline into the soil. Also, there is a high level of lead in the soil. This comes from regular fuel used in the past.

### 5.0 CONCLUSIONS AND RECOMMENDATIONS

#### 5.1 Conclusion.

Our investigation found release of petroleum products into the soil under the 500 gallon tanks in front of the store. The area around the 2,000 gallon tank can be back filled. This area is clean.

## 5.2 Recommendation.

The area in front of the store has petroleum contaminated soil with levels up to 5,000 ppm. Therefore, this soil will need to be excavated and disposed of at a facility similar to Anderson's Pit of Yakima, Washington. After the soil is removed, more samples will need to be run to verify all petroleum contaminated soil has been removed.

## 6.0 LIMITATIONS

In performing our professional services, CE uses a degree of care ordinarily exercised under similar circumstances by members of our profession. No warranty, expressed or implied, is made or intended. Our conclusions and recommendations developed from our field and laboratory investigation reported herein are based upon this firm's understanding of the project and are in concurrence with generally accepted practice.



# UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this check reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology U

The completed checklist should be mailed to the following address:

Underground Storage Tank Section  
Department of Ecology  
Mail Stop PV-11  
Olympia, WA 98504-8711

*Why they stop 11TH on the 865-5086*

## 1. UST SYSTEM OWNER AND LOCATION

UST Owner/Operator: Mick Kellogg

Owners Address: 10605 Wide Hollow Rd.  
Street  
Yakima WA. P.O. Box  
City State ZIP-Code

Telephone: (509) 966-5629

Site ID Number (on invoice or available from Ecology if tank is registered): 102185

Site/Business Name: Mick Kellogg

Site Address: 10605 Wide Hollow Rd. Yakima  
Street County  
Yakima WA. City State ZIP-Code

## 2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Registered Person: Bryan Mull

Address: 60 Olden Way  
Street  
Tappan WA. P.O. Box  
City State ZIP-Code 98944

Telephone: (509) 865-5086



# UNDERGROUND STORAGE TANK Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a **Licensed Decommissioning Supervisor**. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a **Service Provider**. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section  
Department of Ecology  
Mail Stop PV-11  
Olympia, WA 98504-8711

## 1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: Mirok Kellogg

Owners Address: 10605 Wide Hollow Rd.  
Street  
Yakima WA.  
City State  
 Telephone: (509) 966-5629  
ZIP-Code

Site ID Number (on invoice or available from Ecology if tank is registered): 102185

Site/Business Name: Mirok Kellogg

Site Address: 10605 Wide Hollow Rd.  
Street  
Yakima WA.  
City State  
Yakima 985  
County ZIP-Code

## 2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: Cayuse Environmental License Number: 5002224

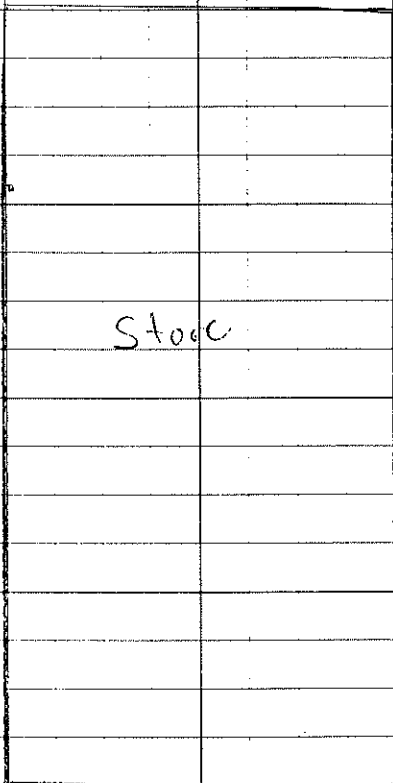
Address: 60 Olden Way  
Street  
Tappanish WA.  
City State  
 Telephone: (509) 865-5086  
ZIP-Code

Licensed Supervisor: ~~Bryan Neill~~ Bryan Neill Decommissioning License Number: W001623

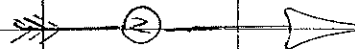
9418

7-11-94

Kellogg



Stock



Wide Hollow Rd

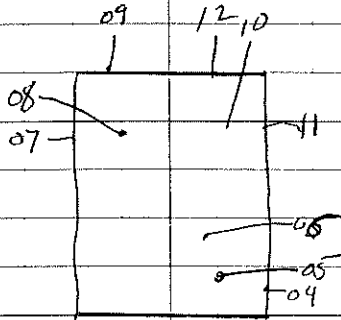
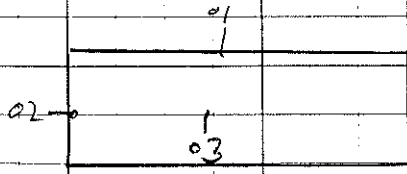
Not to Scale



7-11-94

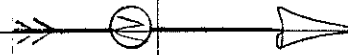
Kellogg

9418



Store

Wide Hollow Rd



Not to Scale

# SPECTRA Laboratories, Inc.

# CHAIN of CUSTODY

2221 Ross Way \* Tacoma, WA 98421 \* (206) 272-4850 \* Fax (206) 572-9838

PAGE 1 of 2

CLIENT: <i>Cyfuse Environ mnt-1</i>			HYDROCARBONS			ORGANICS			TCLP D-LIST			METALS			OTHER			RETURN		
PROJECT: <i>278 Miller</i>			BTEX/WTPH-G			8240 CHLOR SOLVENTS			TCLP-ZHE8240 VOA			TOTAL GFAA			DISPOSE			Fee applies		
CONTACT: <i>Bryan Mcl</i>			BTEX			8270 SEMI-VOA			TCLP 8270 SEMI-VOA			TOTAL LEAD			LAB ID					
PHONE: <i>265-5086</i>			WTPH-G			PAH/PNA			TCLP 8270 PEST.			pH9040/9045								
PURCHASE ORDER #: <i>41118</i>			WTPH-D			8080 PCB			TCLP 8270 HERB			TOX9020/9076								
SAMPLE ID			DATE			TCLP METALS (8)			TOTAL 6010/AES0029			TOC 9060/PSEP								
TIME			S/W/O			8240/8260 VOA			FLASH POINT			TOTAL S.SOLIDS								
NUMBER OF CONTAINERS						8270 ORG CHLOR PEST.														
						8270 ORG CHLOR PEST.														

SAMPLE ID	DATE	TIME	S/W/O	WTPH-HCID	BTEX/WTPH-G	BTEX	WTPH-G	WTPH-D	TPH 418.1/MOD	F.O.G.413.1/413.2	8240/8260 VOA	8240 CHLOR SOLVENTS	8270 SEMI-VOA	PAH/PNA	8270 ORG CHLOR PEST.	8080 PCB	TCLP METALS (8)	TCLP-ZHE8240 VOA	TCLP 8270 SEMI-VOA	TCLP 8270 PEST.	TCLP 8270 HERB	TOTAL 6010/AES0029	TOTAL GFAA	TOTAL LEAD	pH9040/9045	TOX9020/9076	TOC 9060/PSEP	FLASH POINT	TOTAL S.SOLIDS		
9418-01	7-11																														
9418-02	7-11																														
9418-03	7-11																														
9418-04	7-11																														
9418-05	7-11																														
9418-06	7-11																														
9418-07	7-11																														
18-08	7-11																														
9418-09	7-11																														
9418-90	7-11																														

SPECIAL INSTRUCTIONS / COMMENTS:

(SIGNATURE) RELINQUISHED BY: <i>Bryan Mcl</i> PRINTED NAME: <i>Bryan Mcl</i> COMPANY: <i>Cyfuse Environmental</i> DATE: <i>1-11</i> TIME: <i>12</i>			(SIGNATURE) RECEIVED BY: PRINTED NAME: COMPANY: DATE: TIME:		
(SIGNATURE) RELINQUISHED BY: PRINTED NAME: COMPANY: DATE: TIME:			(SIGNATURE) RECEIVED BY: PRINTED NAME: COMPANY: DATE: TIME:		
(SIGNATURE) RELINQUISHED BY: PRINTED NAME: COMPANY: DATE: TIME:			(SIGNATURE) RECEIVED BY: PRINTED NAME: COMPANY: DATE: TIME:		

**CHAIN OF CUSTODY RECORD**

DATE 7-14

PAGE 2 OF 2



10000 SHAWNEE AVENUE  
 WASHINGTON, WA 98902  
 (206) 249-4695

NAME <u>Coyote Environment</u> ADDRESS <u>6000 1st Ave</u> <u>10000 SW</u> ATTENTION: <u>Roger Wood</u> PROJECT NAME <u>Rattles</u> JOB/PO. NO. <u>quilt</u> SAMPLER (SIGNATURE) (PRINTED NAME)	DATE <u>7-14</u>	RECEIVED BY SIGNATURE PRINTED NAME COMPANY	TESTING PARAMETERS DATE TIME	TOTAL NUMBER OF CONTAINERS: INSTRUCTIONS: 1. Shaded areas for lab use only. 2. Complete in ballpoint pen. Draw one line through errors and initial. 3. Be specific in test requests. 4. Check off tests to be performed for each sample. 5. Retain final copy after signing. 6. Provide name and telephone of your contact person. NAME _____ TELEPHONE _____	SHIPMENT METHOD: SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:
LAB NO. <u>9448-11</u> <u>9448-12</u>	SAMPLE NO. <u>7-11</u> <u>7-11</u>	DATE TIME LOCATION	DATE TIME	N. OF CONTAINERS + +	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS WIPING Total lead
RELINQUISHED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	RECEIVED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	TOTAL NUMBER OF CONTAINERS: INSTRUCTIONS: 1. Shaded areas for lab use only. 2. Complete in ballpoint pen. Draw one line through errors and initial. 3. Be specific in test requests. 4. Check off tests to be performed for each sample. 5. Retain final copy after signing. 6. Provide name and telephone of your contact person. NAME _____ TELEPHONE _____	
RELINQUISHED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	RECEIVED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME		



# SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

July 27, 1994

Cayuse Environmental  
60 Olden Way  
Toppenish, WA 98948

Attn: Bryan Mull

Project: Kellog  
P.O. #9418  
Sample Matrix: Soil  
Date Sampled: 7-11-94  
Date Received: 7-20-94  
Date Analyzed: 7-21-94  
Spectra Project: S407-120

<u>Spectra #</u>	<u>Sample ID:</u>	<u>WTPH-G, mg/Kg</u>	<u>Surrogate Recovery Trifluorotoluene</u>
8464	9418-01	<20	81
8465	9418-02	<20	73
8466	9418-03	<20	79
8467	9418-04	122	73
8468	9418-05	<20	87
8469	9418-06	5,420	0 *
8470	9418-07	7,470	0 *
8471	9418-08	<20	78
8472	9418-09	4,540	0 *
8473	9418-10	<20	78
8474	9418-11	<20	87
8475	9418-12	<20	87

\* Out of limits due to dilution

SPECTRA LABORATORIES, INC.

  
Steven G. Hibbs, Chemist

# SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

July 27, 1994

Cayuse Environmental  
60 Olden Way  
Toppenish, WA 98948

Attn: Bryan Mull

Project: Kellog  
P.O. #9418  
Sample Matrix: Soil  
Date Sampled: 7-11-94  
Date Received: 7-20-94  
Spectra Project: S407-120

<u>Spectra #</u>	<u>ID</u>	<u>Total Lead (Pb), mg/Kg</u>
8470	9418-07	70
8471	9418-08	318
8472	9418-09	39
8473	9418-10	22
8474	9418-11	26
8475	9418-12	15
Method Blank		<4

Total Lead testing performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

  
Steven G. Hibbs, Chemist



# UNDERGROUND STORAGE TANK

## 30 Day Notice of Intent to Close/Decommission Tanks

The purpose of this form is to provide the Department of Ecology with notice of intent to close/decommission an UST. It must be received 30 days prior to the closure activities. It must be signed and dated by either the owner/operator of the UST to be closed or his/her authorized representative. (This could be the firm contracted to do the work.) Ecology will notify the identified person of the earliest date closure/decommissioning activities may commence.

For questions on completing this form please call (206) 459-6293.

Please type or use ink.

The completed checklist should be mailed to:

Underground Storage Tank Section  
Department of Ecology  
Mail Stop PV-11  
Olympia, WA 98504-8711

### 1. TANK OWNER AND LOCATION

UST Owner/Operator: Mick Kellogg

Owners Mailing Address: 10605 Wide Hollow Rd.  
Street P.O. Box

Yakima WA.  
City State ZIP-Code

Telephone: (509) 966-5629

Site ID Number (on invoice or available from Ecology if tank is registered): 102185

Site/Business Name: Mick Kellogg

Site Address: 10605 Wide Hollow Rd. Yakima  
Street County

Yakima WA.  
City State ZIP-Code

### 2. TANK PERMANENT CLOSURE TO BE PERFORMED BY (if known):

Firm: Cayuse Environmental

Address: 60 Olden Way  
Street P.O. Box

Toppenish WA.  
City State ZIP-Code 98948

Telephone: (509) 865-5086 Contact Name: Bryan Mull

### 3. TANK INFORMATION

Tank Identification	Approx. Closure Date	Tank Capacity (gallons)	Tank Age (years)	Last Substance Stored
<u>01</u>	<u>7-94</u>	<u>2000</u>	<u>unknown</u>	<u>Gas</u>
<u>02</u>	<u>7-94</u>	<u>500</u>	<u>85</u>	<u>Gas</u>

### 4. SIGNATURE OF TANK OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE:

[Signature] Owner 6/27/94  
Signature Title Date



Department of Ecology  
 Central Regional Office  
 106 South 6th Avenue  
 Yakima, WA 98902-3387  
 Phone (509) 454-7294

*vw*

# Field Notice of Non-compliance

The Department of Ecology is responsible for the enforcement of environmental laws for the protection of human health and the environment. During an inspection on 2-9-94 by Ecology representative John Wietfeld the following incidents of non-compliance were seen:

*During an inspection of the Hardwood #162185 Service Station the facility was found not to have the permits required. The distributor YAKIMA Cooperative Association delivered to the Hardwood Grocery Store with out the required permits.*

Based on the above listed observations, the following actions are required:

Action	Date
<i>Meet with drivers and review the requirement for permit as per WAC-173-360.</i>	<i>2-9-94</i>

Notify the Department of Ecology by phone, and in writing, if you are unable to perform the requested actions within the specified dates.

**Department of Ecology Contact**

Name John Wietfeld  
 Title Engineer  
 Phone 454-7836  
 Signature *[Signature]*

**Facility Information**

Name of Facility YAKIMA Cooperative Assoc. Dick McVey  
 Address 2202 South 1st St  
WASH 98903  
 Contact Dick McVey  
 Phone 509-457-5380  
 Signature *[Signature]*  
 (signature acknowledges receipt only)

Report Number \_\_\_\_\_ Photos Taken  Samples Collected  Samples Split   
 Ecology Enforcement Authority Explained  Copy of Notice Given to Facility Contact



Department of Ecology  
 Central Regional Office  
 106 South 6th Avenue  
 Yakima, WA 98902-3387  
 Phone (509) 454-7294

ow  
 W10815

# Field Notice of Non-compliance

The Department of Ecology is responsible for the enforcement of environmental laws for the protection of human health and the environment. During an inspection on 2-4-94 by Ecology representative John Wietfeld the following incidents of non-compliance were seen: #107185

During a site inspection for UST of the  
Hardwood Grocery store I found two Underground Storage  
tank were not registered per WAC 173-360 200.  
The tank did not have release detection in the form of  
tank tightness test, in the last 3 years (1990) yr  
The suction line did not have check valves under the pumps  
The site did not have permits on site.  
Finding can result in possible fines

Based on the above listed observations, the following actions are required:

Action	Date
<u>Have permit for UST by</u>	<u>3-1-94</u>
<u>Schedule Tank tightness test by</u>	<u>2-11-94</u>
<u>HAVE insurance application for UST Financial</u>	<u>2-11-94</u>
<u>Responsible by</u>	<u>2-11-94</u>
<u>Start Release Detection Inventory control today</u>	<u>2-4-94</u>

Notify the Department of Ecology by phone, and in writing, if you are unable to perform the requested actions within the specified dates.

**Department of Ecology Contact**

Name John Wietfeld

Title Engineer

Phone 454-7836

Signature [Signature]

**Facility Information**

Name of Facility Hardwood Grocery

Address 10605 Wide Hollow Rd  
YAKIMA 98908

Contact Mick Kello99

Phone (509) 966-3804 (H)

Signature [Signature]  
 (signature acknowledges receipt only)

Report Number \_\_\_\_\_ Photos Taken  Samples Collected  Samples Split

Ecology Enforcement Authority Explained  Copy of Notice Given to Facility Contact