

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

DE VERE AND SONS DISTRIBUTING, INC.

#9280

U00001788

Release ID # 406927

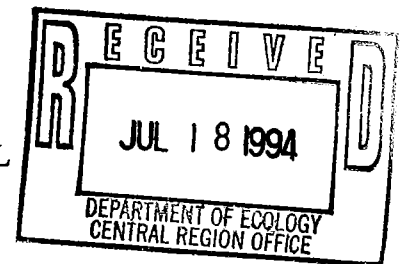
Prepared for:

DeVere and Sons Dist., Inc.
PO Box 336
Cle Elum, Washington 98922

Prepared by:

PACIFIC NORTHERN ENVIRONMENTAL

1081 Columbia Blvd.
Longview, Washington 98632



July 15, 1994

INTRODUCTION

This report documents the results of the underground storage tank (UST) decommissioning and related site assessment activities completed at the DeVere and Sons Distributing, Inc. bulk plant facility located in Cle Elum, Washington. The decommissioning of the UST was conducted in conjunction with a site characterization to investigate impacts to soil and groundwater at the site resulting from a diesel fuel release from a ruptured fiberglass supply line. The site characterization is currently being investigated by Pacific Northern Geoscience of Seattle, Washington.

Pacific Northern Environmental (PNE) was contracted by Mr. Jim DeVere to permanently decommission and remove one 4,000 gallon UST and perform the related environmental site assessment. All decommissioning and site check activities were conducted in accordance with the Washington State Underground Storage Tank Regulations (173-360 WAC) and Washington State Department of Ecology (DOE) "Guidance for Site Checks and Site Assessments for Underground Storage Tanks".

The purpose of this report is to provide the DOE and the property owner with the results of activities conducted by PNE in relation to the UST decommissioning, permanent closure and site assessment activities completed at the subject property.

BACKGROUND

Site Description

The DeVere and Sons Distributing Inc., bulk facility is located in Kittitas County, in east Cle Elum at 100 East First Street (Hwy 903) north of the Yakima River. Figure 1 illustrates the location of the project site. The site is immediately bordered to the south by a vacant field, to the north by First Street, to the west by Hunt Ave. and to the east by an alley.

Structures on the property include a convenience store, an office/warehouse, four above ground storage tanks and bulk loading rack. The site presently houses five USTs including 3 - 1,000 gallon unleaded gasoline USTs and 2 - 1,000 gallon regular gasoline USTs. One 4,000 gallon diesel UST was decommissioned by PNE during the activities of this project. The retail motor fuel is dispensed through two pump islands containing five product dispensers. Figure 2 illustrated the sites facilities.

Site History

In a telephone interview with Mr. DeVere, PNE was informed that the property was purchased in 1985 by DeVere and Sons and that the diesel UST was installed sometime in 1982. The property has facilitated a bulk plant since approximately 1915.

On March 9, 1994 while conducting a Tracer tank/line test at the subject property, a 2 inch fiberglass line was accidentally penetrated causing an estimated diesel fuel release of 8,400 gallons. Please refer to PNE's 20 day Release Report dated March 14, 1994 for more detailed information regarding the release.

Stratigraphy

At this time a United States Department of Agriculture Soil Survey of Kittitas County has not been completed. Soils encountered at the time of decommissioning consisted of a dry, grayish brown, silty sand turning to saturated gray silty sand with large round rock from ground surface to the bottom of the excavation. Groundwater was encountered at approximately 7 feet below ground surface.

UST DECOMMISSIONING

One 4,000 gallon diesel fuel UST was decommissioned and removed from the project site during the week of June 27, 1994. The permanent closure of the UST was conducted in accordance with WAC 173-360. UST decommissioning activities were conducted using the following procedures:

- * Thirty day notice was submitted to the Department of Ecology,
- * Soil was excavated to the tops of the tanks and stockpiled on-site,
- * The product lines had been previously drained back into the tanks and removed,
- * Turbines, drop tubes and risers were previously removed from the UST,
- * Remaining product was pumped from the UST into a 55 gallon barrel,
- * The Lower Explosive Limit was measured to be less than 10%,

- * The UST was removed from the excavation with the use of a hydraulic backhoe,
- * The UST was then cut open and cleaned and is scheduled to be transported to a local metal scrap yard for disposal. A disposal receipt will be forwarded,
- * WDOE checklists were filled out and are attached in Appendix A.

ENVIRONMENTAL SITE ASSESSMENT

Once decommissioning activities were conducted, observations were made regarding the environmental impairment of the soil and groundwater. Also, a site assessment was conducted in accordance with DOE "Guidance for Site Checks and Site Assessments for Underground Storage Tanks".

Once the UST was removed from the excavation, free product was encountered on-top of the groundwater at approximately 7 feet below ground surface.

In order to determine if the soil immediately surrounding the UST had been impacted with petroleum hydrocarbon contamination, two soil samples were collected from the north and south sidewalls of the excavation at the soil water interface (approximately 7 feet below ground surface). In addition one soil sample was collected from field detectable contaminated soil surrounding the UST fill. Figure 3 illustrates the sample locations.

Soil sample collection procedures were conducted in accordance with the United States Environmental Protection Agencies "Guidance Manual SW-846." Soil samples were collected by a Registered Site Assessor from PNE wearing clean latex surgical gloves. The soil was collected in clean glass sampling jars and sealed with teflon lined screw lids. The soil samples were labeled with a unique identification number and placed into an iced cooler to be maintained at approximately 4 degrees celsius. Chain of Custody documentation was filled out indicating the chemical analyses to be performed on the soil samples and was shipped along with the soil samples to Pacific Northern Analytical in Redmond, Washington. Upon receipt at the laboratory, the soil samples were chemically analyzed for total petroleum hydrocarbons as diesel due to the fact that it was a diesel UST and that the damaged product line was also diesel related. Results of the chemical analyses is presented in Table 1. A copy of the laboratory report is attached in Appendix B.

TABLE 1
DeVere and Sons Dist., Inc.
Soil Sample Results
DOE WTPH-D In Parts Per Million (mg/kg)

Sample Identification	Result	Reporting Limit
DV-N-6/28	1,300	150
DV-S-6/28	Not Detected	15
DV-TP1-6/28	11,000	1,500

Laboratory results detected concentrations of total petroleum hydrocarbons as diesel above the Method A cleanup level of 200 ppm as outlined the Model Toxics Control Act (WAC 173-340-740).

CONCLUSIONS

Pacific Northern Environmental was contracted to decommission and remove a 4,000 gallon diesel UST and conduct the related site assessment at the DeVere and Sons Distributing Inc. facility in Cle Elum, Washington. The decommissioning of the UST was conducted in conjunction with a soil and groundwater characterization currently being performed by Pacific Northern Geoscience of Seattle, Washington. The purpose of the site characterization is to investigate impacts to soil and groundwater at the site resulting from a diesel fuel release from a ruptured fiberglass supply line.

During the week of June 27, 1994 the diesel UST was decommissioned and removed from the project site. Upon removal, free product was observed within the excavation. Soil samples collected from soil surrounding the UST detected the presence of diesel hydrocarbon contamination above Method A clean up criteria.

Pacific Northern Geoscience is currently in the process of characterizing the property and shall prepare a 90-Day Site Characterization Report for submittal to Ecology summarizing the data obtained from their investigation regarding current subsurface conditions in regard to soil and groundwater hydrocarbon contamination and impairment.

LIMITATIONS

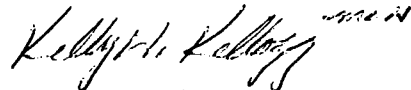
This work was performed by PNE in accordance with generally accepted professional practices related to the nature of the work accomplished in the same or similar localities, at the time that the services were performed, and in accordance with agreements and understandings with the client, which may or may not be disclosed in this document. This report and its contents are for the specific application to the referenced project and for the exclusive use of the client. No other warranty, expressed or implied is made. Any reliance on this report, in whole or in part, by a third party is at the party's sole risk.

If you have any questions or require further information, please feel free to give us a call.

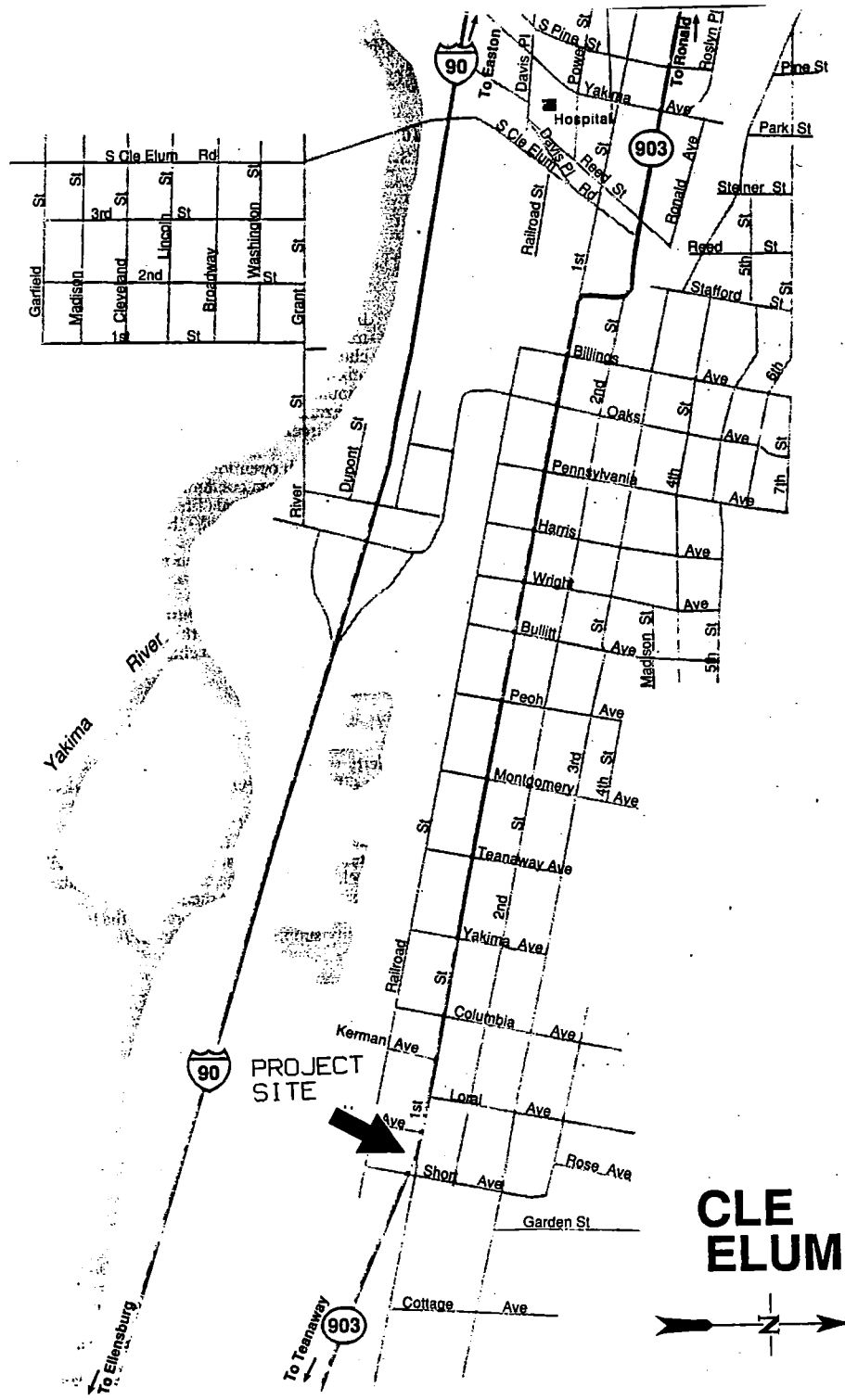
Sincerely,
PACIFIC NORTHERN ENVIRONMENTAL



Mark C. Hansen
Environmental Technician



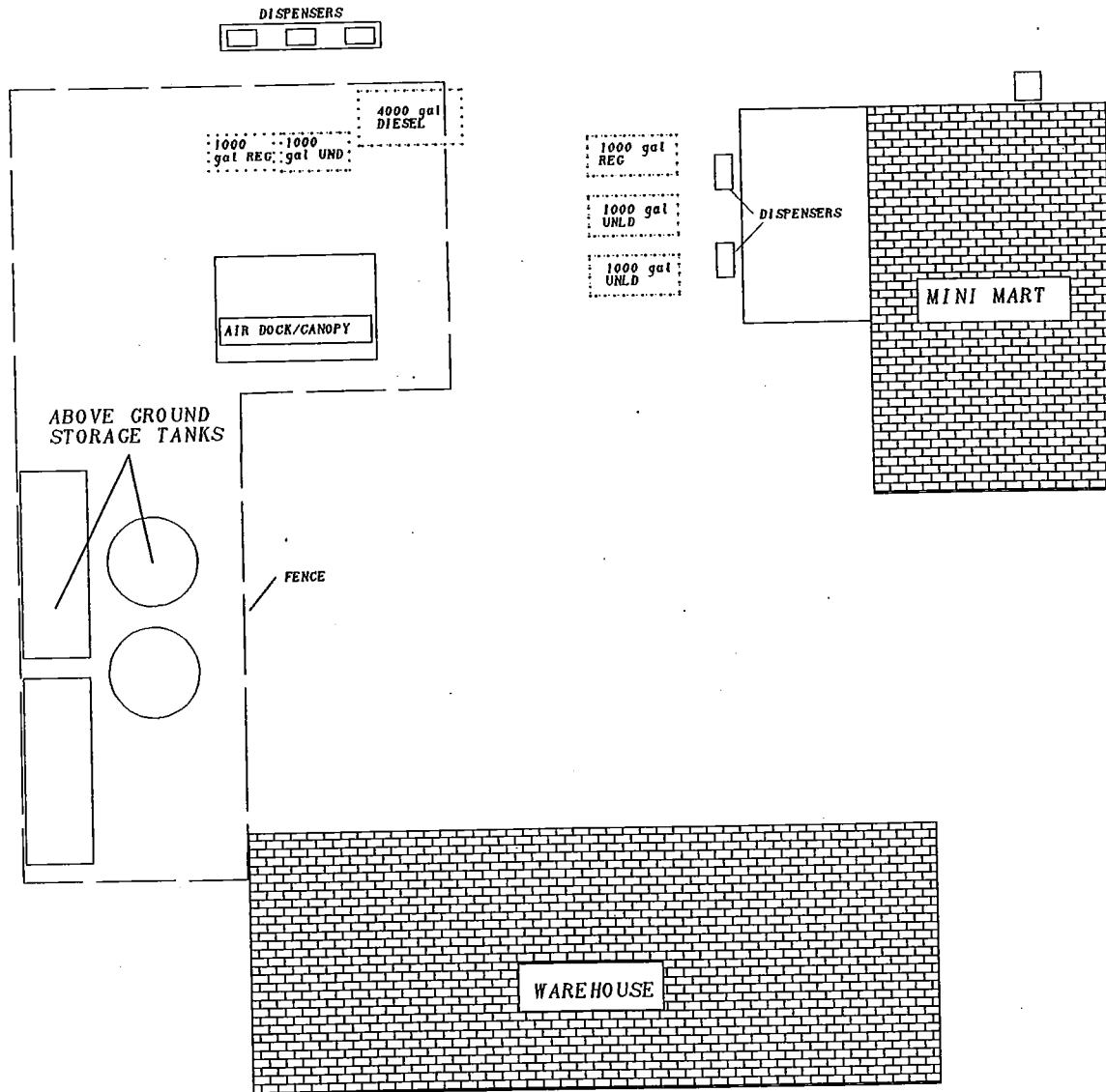
Kelly W. Kellogg
Senior Technician



DeVere and Sons Dist.. Inc
 100 E. First Street
 Cle Elum, Washington

FIGURE 1
 SITE VICINITY MAP

EAST FIRST STREET

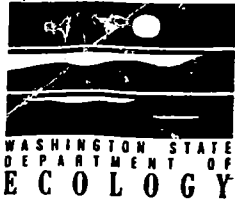


MAP NOT TO SCALE

DeVere and Sons Dist., Inc
100 E. First Street
Cle Elum, Washington

FIGURE 2
SITE FACILITY MAP

PACIFIC NORTHERN ENVIRONMENTAL



UNDERGROUND STORAGE TANK TEMPORARY/PERMANENT CLOSURE and SITE ASSESSMENT NOTICE

See back of form for instructions
Please the appropriate box(es)
Please type or print information

For Office Use Only	
Owner #	_____
Site #	_____

Temporary Tank Closure
 Permanent Tank Closure
 Change-In-Service
 Site Assessment/ Site Check

SITE INFORMATION:

Site ID Number (on invoice or available from Ecology if the tanks are registered): 009280
 Site/Business Name: DeVere and Sons Distr., Inc
 Site Address: 100 East First Street Telephone: (509) 674 - 2442
Street
Cle Elum, Washington 98922
City State ZIP-Code

TANK INFORMATION:

Tank ID	Closure Date	Tank Capacity	Substance Stored
1	6 - 27	4,000	Diesel

CONTAMINATION PRESENT AT THE TIME OF CLOSURE

Yes No
 Unknown
 Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

UST SYSTEM OWNER/OPERATOR:

UST Owner/Operator: DeVere and Sons Distr., Inc
 Owners Signature: _____ Telephone: (509) 674 - 2442
 Address: P.O. Box 336
Street
Cle Elum, Washington 98922
City State ZIP-Code

TANK CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Service Provider: Pacific Northern Environmental, INC License Number: S000153
 Licensed Supervisor: Kelly Kellogg Decommissioning License Number: W001613
 Supervisors Signature: _____
 Address: 1081 Columbia Blvd
Street
Longview Washington 98632
City State ZIP-Code
 Telephone: (206) 423-2245

SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Name of Registered Site Assessor: Kelly Kellogg
 Telephone: (206) 423-2245
 Address: 1081 Columbia Blvd
Street
Longview Washington 98632
City State ZIP-Code



UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

For Office Use Only	
Owner #	_____
Site #	_____

INSTRUCTIONS:

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

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

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

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

CHECKLIST: Please initial each item in the appropriate box.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 009280

Site/Business Name: DeVere and Sons Dist., Inc

Site Address: 100 East First Street Telephone: (509) 674 - 2442

Street

Cle Elum, Washington 98922

City State ZIP-Code

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
1	4,000 Gallons	Diesel

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

- Check one:
- Investigate suspected release due to on-site environmental contamination.
 - Investigate suspected release due to off-site environmental contamination.
 - Extend temporary closure of UST system for more than 12 months.
 - UST system undergoing change-in-service.
 - UST system permanently closed-in-place.
 - UST system permanently closed with tank removed.
 - Abandoned tank containing product.
 - Required by Ecology or delegated agency for UST system closed before 12/22/88.
 - Other (describe): _____



**Pacific
Northern
Analytical, Inc.**

July 7, 1994

Kelly Kellogg
Pacific Northern Environmental
1081 Columbia Blvd.
Longview, WA 98632

Dear Kelly:

Enclosed are the analytical results of samples submitted on July 5, 1994 from project Devere & Sons (Decommissioning).

If you have any questions regarding this report or if you need any other assistance, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Cynthia Rezia". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Cynthia Rezia
Project Chemist

CLR/lh

15314 N.E. 95th Street
Redmond, WA 98052-2517
(206) 881-7538 • FAX 881-8215



DOE WTPH-D

Client:	Pacific Northern Environmental	Date Sampled:	June 28, 1994
Project Name:	Devere & Sons (Decommisioning)	Date Received:	July 5, 1994
Client Sample ID:	DV-N-6/28	Date Extracted:	July 6, 1994
Laboratory Batch #	01415	Date Analyzed:	July 7, 1994
Units:	mg/kg	Sample Matrix:	Soil
		Dilution Factor:	10

Analyte	Sample Result	Notes	Reporting Limit
Total Petroleum Hydrocarbons as Diesel Fuel (Dodecane to tetracosane)	1300		150

Surrogate Recovery	% Recovery	Notes	Acceptance Range
o-terphenyl	104%		50%-150%

Notes

Sample results have been corrected to their dry weight values.



DOE WTPH-D

Client:	Pacific Northern Environmental	Date Sampled:	June 28, 1994
Project Name:	Devere & Sons (Decommissioning)	Date Received:	July 5, 1994
Client Sample ID:	DV-S-6/28	Date Extracted:	July 6, 1994
Laboratory Batch #	01415	Date Analyzed:	July 6, 1994
Units:	mg/kg	Sample Matrix:	Soil
		Dilution Factor:	1

Analyte	Sample Result	Notes	Reporting Limit
Total Petroleum Hydrocarbons as Diesel Fuel (Dodecane to tetracosane)	N.D.		15

Surrogate Recovery	% Recovery	Notes	Acceptance Range
o-terphenyl	98%		50%-150%

Notes

Sample results have been corrected to their dry weight values.
N.D.-Not detected above the reporting limit.



DOE WTPH-D

Client:	Pacific Northern Environmental	Date Sampled:	June 28, 1994
Project Name:	Devere & Sons (Decommissioning)	Date Received:	July 5, 1994
Client Sample ID:	DV-TP1-6/28	Date Extracted:	July 6, 1994
Laboratory Batch #	01415	Date Analyzed:	July 7, 1994
Units:	mg/kg	Sample Matrix:	Soil
		Dilution Factor:	100

Analyte	Sample Result	Notes	Reporting Limit
Total Petroleum Hydrocarbons as Diesel Fuel (Dodecane to tetracosane)	11,000		1500

Surrogate Recovery	% Recovery	Notes	Acceptance Range
o-terphenyl	--	D	50%-150%

Notes

Sample results have been corrected to their dry weight values.
D-The surrogate was diluted out during analysis.



DOE WTPH-D
Quality Control Data

Client:	Pacific Northern Environmental	Date Extracted:	July 6, 1994
Project Name:	Devere & Sons (Decommissioning)	Date Analyzed:	July 6, 1994
Sample ID:	Method Blank	Dilution Factor:	1
Laboratory Batch #	01415	Units:	mg/kg

Analyte	Sample Result	Notes	Reporting Limit
Total Petroleum Hydrocarbons as Diesel Fuel (Dodecane to tetracosane)	N.D.		15

Surrogate Recovery	% Recovery	Notes	Acceptance Range
o-terphenyl	104%		50%-150%

Batch Sample ID:	01415 QA	Date Extracted:	July 6, 1994
Units:	mg/kg	Date Analyzed:	July 6, 1994
		Sample Matrix:	Soil

Analyte	Reporting Limit	Sample Result	Duplicate Result	RPD	Acceptance Limit
Total Petroleum Hydrocarbons as Diesel Fuel (Dodecane to tetracosane)	15	N.D.	N.D.	--	24%

Analyte	Spike Added	Spike Recovery	Acceptance Range	Spike Dup Recovery	RPD	Acceptance Limit
Total Petroleum Hydrocarbons as Diesel Fuel (Dodecane to tetracosane)	100	84%	60%-140%	84%	<1%	27%

Notes

N.D.-Not detected above the reporting limit.



Moisture Content Report

Client:	Pacific Northern Environmental	Date Sampled:	June 28, 1994
Project Name:	Devere & Sons (Decommissioning)	Date Received:	July 5, 1994
Laboratory Batch #	01415	Date Analyzed:	July 7, 1994
Units:	% Moisture	Sample Matrix:	Soil

Client Sample ID	Sample Result	Notes	Reporting Limit
DV-N-6/28	5%		1%
DV-S-6/28	3%		1%
DV-TP1-6/28	11%		1%

