02-19-000394

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer, Secretary
William R. Selbig, District Director

COPY

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
Solid Waste Office
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
Telephone #: (414)492-5916
Telefax #: (414)492-5859

February 17, 1994

Nicolet National Forest
Paula Ernst, Forester
68 South Stevens
Rhinelander, WI 54501

RE: Long Lake Guard Station
ERRP CASE #19-00394

Dear Ms. Ernst:

The Department's Remedial Action Closure Review Panel has just completed a review of the above referenced case. This panel reviews environmental remediation cases for compliance with state laws, standards and guidelines to maintain consistency in the closeout of cases. After a careful review, the panel has decided to close this case.

At the present time, it appears that actions have been taken to the extent practical to restore the environment and minimize the harmful effects from this discharge to the air, lands, and waters of the state. The Department is requiring no further remedial action at this time. This case will appear as closed on the Emergency and Remedial Response Program's tracking system.

Please be aware, however, that this letter does not absolve the current, or any future owner of this property from future decisions regarding this site or impacts which may be discovered and/or traced back to past or future activities at this site.

The Department appreciates your efforts to protect and restore the environment at this site. If you have any questions regarding the content of this letter, please contact me at (414)492-5921.

Sincerely,

Roxanne L. Nelezen
Program Assistant
Emergency & Remedial Response Program

cc: Perry Schuette; Northwest Petroleum Service
2276 Circle Drive; Wausau, WI 54401

CASE # 19-00394

CASE SUMMARY AND CLOSEOUT

PRELIM. REVIEW: _____

REMEDIAL ACTION COMPLETED
CASE CLOSEOUT
DATE: 2-14-94
ROUTE TO:
☑ URBEN BEU
☐ ROSSBERG Rossburg
☐ STOLL R-C-Stoll

PROJECT MANAGER: E. System

FIRM OR AGENCY: WDNR

DATE: 02/11/94

NAME OF SITE: Long Lake Guard Station

LOCATION: Long Lake COUNTY: Florence

TYPE OF DISCHARGE: ERP XX LUST _____ Other _____

CONTAMINATION TYPE: (list all compounds) Diesel

CONTAMINATION PRESENT IN: Soil XX Groundwater _____ Other _____

I. SOIL:

Extent Defined: Yes XX No _____ N/A _____

Number of: Lab Analyses 3 Field Analyses 6 No Data _____

Methodology and/or Detection Devices: Hnu, DRO, PVOC 8020, PAH 8310

Total Number of Sample Points: 5

PRE-REMEDIATION / POST-REMEDIATION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable. Std
DRO	Stockpiled Soil	2,600 ppm	11/07/92	ND		
	West End 9 feet	---		ND		<10ppm
	East End 9 Feet	---		ND		
	FS-Center of Excavation	---		ND	06/11/93	
Hnu	Excavation W End 9 ft			.25 to .3 ppm	11/05/92	
	Excavation E End 9 ft			.1 to .2 ppm	11/05/92	<10 ppm
	Excavation Cntr 4-8 ft	70 to 97 ppm	11/05/92			
	Stockpiled Soil	180 to 190 ppm	11/05/92			

REMEDIAL ACTION TAKEN:	5 AST's removed from site. ~30 yd^3 of Diesel contaminated soil was excavated and taken to Pitlic & Wick Hot Plant 2 in Woodruff, WI.

CLOSURE JUSTIFICATION:	Site was excavated using field screening equipment. Lab samples from each end indicated remaining soil is within state standards. Hnu results from A1, A2, A3, were taken at 4, 6, and 8 feet respectively. Hnu at 8 feet was 70-76 ppm. Soil was excavated to 9 feet. A sample was taken from the center of the excavation on 06/11/93 and analyzed for Dro which resulted in ND.

Soil Remedial Action Completed: Yes XX No _____

This recommendation for case closure is based on all the available data as of this date 02/11/94 and

submitted by Perry Schuette\Janet Lewis (Name) of Northwest Petroleum Service. (Firm or Agency)

II. **GROUNDWATER**: Groundwater encountered: Yes _____ No XX Depth to Groundwater: _____

Groundwater impacted: Yes _____ No _____ Extent Defined: Yes _____ No _____ N/A _____

Number of: Lab Analyses _____ Field Analyses _____ No Data _____

Methodology and/or detection devices: _____

GROUNDWATER MONITORING:

Excavation water samples: _____ # Recovery Sumps: _____
NR 141 Monitoring Wells: _____ # NR 141 Temporary Wells: _____
Prv. Water Supply Wells: _____ # Municipal Wells: _____

TOTAL # OF SAMPLE ROUNDS: _____

PRE-REMEDIATION POST-REMEDIATION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable. Std

REMEDIAL ACTION TAKEN:	

CLOSURE JUSTIFICATION:	

CASE SUMMARY:	5 AST's and associated piping were removed from the site. Only the Diesel Tank indicated contamination. Area was
excavated to 9 feet. The Department requested another sample from the center of the excavation. This sample was	
taken and analyzed for DRO which resulted in ND. Remaining soils appear to be clean. Groundwater was not	
encountered.	

Groundwater Remedial Action Completed: Yes ____ No ____ N/A Has site been remediated to current standards? Yes _____ No _____

This recommendation for case closure is based on all the available data as of this date 02/11/94 and submitted by

Roxanne L. Nelezen of WDNR .
(Name) (FIRM OR AGENCY)

COMMITTEE RECOMMENDATION: REMEDIAL ACTION COMPLETED: YES X NO ____

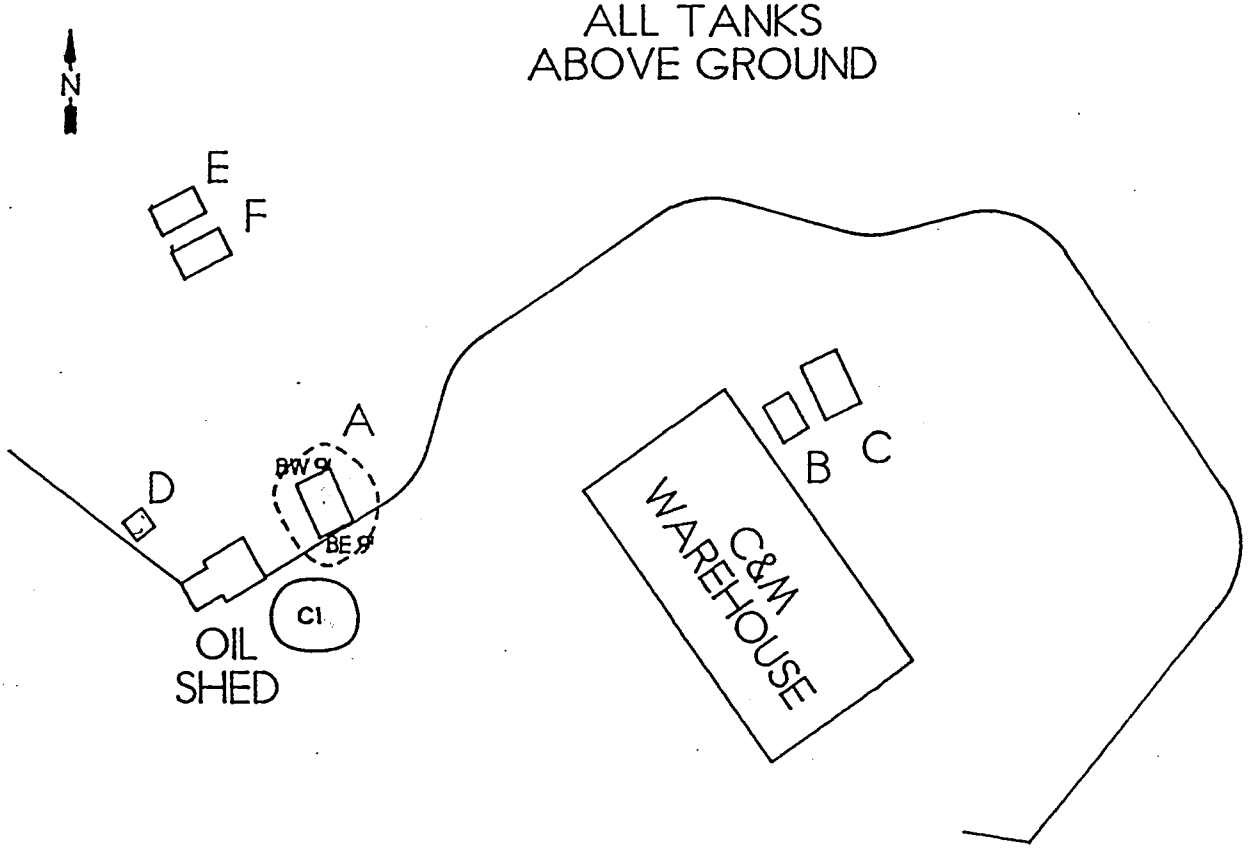
FURTHER WORK NEEDED: _____

Revised: 11/93, closfrm.hc

NORTHWEST PETROLEUM SERVICE, INC.
4106 NORTH 20th AVENUE
WAUSAU, WISCONSIN 54401
(715) 675-2084
FAX (715) 675-5507

JOB U.S. FOREST SERVICE - GUARD STATION
LOCATION LONG LAKE, WISCONSIN
CALC. BY
DRAWN BY DAN DETERT (12/3/92)
SCALE NO SCALE

ALL TANKS
ABOVE GROUND



HNU SAMPLING

SAMPLE ID	DEPTH BELOW SURFACE (FEET)	STABLE (ppm)	HIGH PEAK (ppm)	INST. SCALE	NOTES
C1	3'	180	190	0-200	
BW 9'	9'	.25	.3	0-20	
BE 9'	9'	.1	.2	0-20	
A1	4'	90	97	0-200	
A2	6'	83	92	0-200	
A3	8'	70	76	0-200	

SOIL SAMPLING

SAMPLE ID	DEPTH BELOW SURFACE (FEET)	DRO (ppm)	PVOC PARA. (ppm)	PAH PARA. (ppm)	NOTES
C1		2,600	ND	ND-.13	
BW 9'	9'	ND	-	-	
BE 9'	9'	ND	-	-	

LEGEND

NO SCALE
A - 550 GAL. DIESEL
B - 100 GAL. FUEL OIL
C - 550 GAL. GAS
D - 50 GAL. GAS
E - 250 GAL. FUEL OIL
F - 250 GAL. FUEL OIL

1 of 3

POLYNUCLEAR AROMATIC HYDROCARBON RESULTS
EPA METHOD 8310

(All values are in µg/Kg which is equal to parts-per-billion)

Client ID:	**Method Blank**	**C1***	
TCT ID:		301368	
Parameter:			**PQL****
Naphthalene	ND	ND	390
1-methylnaphthalene	ND	ND	500
2-methylnaphthalene	ND	ND	500
Acenaphthylene	ND	ND	500
Acenaphthene	ND	ND	390
Fluorene	ND	ND	46
Phenanthrene	ND	ND	140
Anthracene	ND	ND	150
Fluoranthene	ND	ND	46
Pyrene	ND	130 ug/Kg	59
Benzo (a) anthracene	ND	77 ug/Kg	28
Chrysene	ND	ND	330
Benzo (b) fluoranthene	ND	ND	39
Benzo (k) fluoranthene	ND	ND	37
Benzo (a) pyrene	ND	ND	50
Dibenzo (a,h) anthracene	ND	ND	65
Benzo (ghi) perylene	ND	28	16
Indeno (1,2,3 cd) pyrene	ND	ND	9.5
Date Extracted:	11-12-92	11-12-92	
Date Analyzed:	11-17-92	11-17-92	

All results are reported on a dry weight basis.

PQL = Practical Quantitation Limit

ND = Not Detected

* The sample chromatogram contained many unresolved peaks. It is likely that in addition to the listed PAHs, other PAHs or similar compounds were also present. Since the quantitative values reported here represent the total contribution from all compounds which gave a positive response at the column retention time of a particular PAH, the actual levels may be lower than the reported values. Confirmation of the levels of specific PAHs will require an alternative analytical technique which can isolate and quantify the separate components of the mixture.

** These values have been evaluated and changed to indicate more closely the actual limits of detection in the presence of sample matrix interferences.

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO.: 4410 03-0384

twin city testing corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

DIESEL RANGE ORGANICS ANALYSIS RESULTS
WISCONSIN MODIFIED DRO
(All values are in mg/Kg which is equivalent to parts-per-million)
(All results are reported on a dry weight basis.)

Client Sample ID:	FS	---	
LAB SAMPLE ID:	696	Lab Blank-Q6A40BFE	
Parameter:			Practical Quantitation Limit
Diesel Range Organics (par #78919)	ND	ND	10
Surrogate Recovery:			
Triacontane:	96%	95%	
Percent Moisture:	17%	N/A	
Date Collected:	6-11-93	N/A	
Date Received:	6-14-93	N/A	
Date Preserved:	6-14-93	N/A	
Date Extracted:	6-18-93	6-18-93	
Date Analyzed:	6-19-93	6-19-93	

ND = Not Detected

N/A = Not Applicable

BQL = Below Quantitation Limit

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.
Wisconsin Department of Natural Resources, PUBL-SW-141, April 1992.
Wisconsin Department of Natural Resources, PUBL-SW-142, April 1992.

PETROLEUM VOLATILE ORGANIC COMPOUND RESULTS
EPA METHOD 8020

(All values are in mg/Kg which is equal to parts-per-million)

Client ID:	Method Blank	C1	
TCT ID:		301368	
Parameter:			**PQL**
Benzene	ND	ND	0.050
Toluene	ND	ND	0.050
Ethyl benzene	ND	ND	0.050
Total xylenes	ND	ND	0.050
Methyl-tert-Butyl Ether	ND	ND	0.050
1,3,5-Trimethylbenzene	ND	ND	0.050
1,2,4-Trimethylbenzene	ND	ND	0.050
Surrogate Recovery:			
α,α,α-Trifluorotoluene	105%	101%	
Date Collected:		11-5-92	
Date Extracted:		11-5-92	
Date Analyzed:	11-12-92	11-12-92	

All results are reported on a dry weight basis.

PQL = Practical Quantitation Limit
ND = Not Detected

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

Wisconsin Department of Natural Resources, PUBL-SW-140, April 1992.

LABORATORY NO.: 4410 03-0384

DIESEL RANGE ORGANIC RESULTS
MODIFIED DRO METHOD

(All values are in mg/Kg which is equal to parts-per-million)

Sample Identification	TCT ID	Diesel Range Organics	Triacontane Recovery (%)	Practical Quantitation Limit
C1	301368	2,600	84	250
BW 9'	301369	ND	88	10
BE 9'	301370	ND	87	10
Method Blank		ND	95	10
Date Extracted:		11-12-92		
Date Analyzed:		11-26-92		

All results are reported on a dry weight basis.

ND = Not Detected

Reference: Wisconsin Department of Natural Resources, PUBL-SW-141, April 1992.

LABORATORY NO.: 4410 03-0384

LMD ERRP STAFF

From: Bruce Urben

Date: 12-21

ER STAFF

___ Jim Reyburn - LMH
___ Annette Weissbach - LMH
___ Wava Quandt - LMH
___ Jennifer Huffman - LMH
___ Kathy Erdmann - LMH
___ Doug Rossberg - LMH
X ~~Rick Stoll - WS~~ RS
___ Mike DeBrock - AM
X BARNUM

LUST STAFF

___ Al Nass - LMH
___ Matt Hostak - LMH
___ Janis DeBrock - LMH
___ Mary Robl - LMH
___ Charlene Pribyl - LMH
___ Kathy Sylvester - OSH
___ Tom Verstegen - OSH
___ Tom Sturm - Shawano
___ Eileen Kramer - MAR

CLOSEOUT REVIEW

Urben Discuss This why wasn't the center of excavation confirmed clean if 4-8' depth here was 70-97 ppm. I think we need a boring w/ hnu + Lab sample confirmation. What do you think?

R. STOLL

X Comment & Return ASAP
___ Note & Return
___ Note & Last Person Discard
___ Note & Return to LUST PA for Filing
___ Retain for Your Records
___ For Your Information
___ Please Follow Through

ERP/LUST CASE# 19-00394

CASE SUMMARY AND CLOSEOUT

PRELIM. REVIEW: _____

REMEDIAL ACTION COMPLETED
CASE CLOSEOUT
DATE: 12-21-92
ROUTE TO:
☑ URBEN
☑ BARNUM
☑ STOLL

PROJECT MANAGER: E.System

FIRM OR AGENCY: WDNR

DATE: 12/16/92

NAME OF SITE: Long Lake Guard Station

LOCATION: Long Lake COUNTY: Florence

TYPE OF DISCHARGE: ERP XX LUST ____ Other _____

CONTAMINATION TYPE: (list all compounds) Diesel

CONTAMINATION PRESENT IN: Soil XX Groundwater ____ Other _____

I. SOIL:

Extent Defined: Yes XX No _____ N/A _____

Number of: Lab Analyses 3 Field Analyses 6 No Data _____

Methodology and/or Detection Devices: Hnu, DRO, PVOC 8020, PAH 8310

Total Number of Sample Points: 4

PRE-REMEDIATION / POST-REMEDIATION

Contaminant:	Location:	Concentration:	Date:	Concentration:	Date:	Applicable Std:
DRO	Stockpiled Soil (W. End 9ft, East End 9ft)	2,600 ppm	11/07/92	ND, ND	11/07/92	<10 ppm
Hnu	Excavation W End 9ft			.25 to .3 ppm	11/05/92	<10 ppm
	Excavation E End 9ft			.1 to .2 ppm	11/05/92	
	Excavation Cntr 4-8ft	70 to 97 ppm	11/05/92			
	Stockpiled Soil	180 to 190 ppm	11/05/92			

NO CONFIRMATION SAMPLES TAKEN in the center - Hnu only.

Soil Remedial Action Taken:

5 AST's removed from site. ~30yd³ of Diesel contaminated soil was excavated and taken to Pitlic & Wick Hot Plant 2 in Woodruff, WI.

JUSTIFICATION FOR CLOSURE:

Site was excavated using field screening equipment. Lab samples from each end indicated remaining soil is within state standards. Hnu results from A1, A2, and A3 were taken at 4,6,and 8 feet respectively. Hnu at 8 feet was 70-76 ppm. Soil was excavated to 9 feet. No field or Lab samples taken at center of excavation at 9 feet.

Soil Remedial Action Completed: Yes XX No _____

This recommendation for case closure is based on all the available data as of this date _____ and

submitted by Perry Schuette\Janet Lewis of Northwest Petroleum Service.
(Name) (Firm or Agency)

II. **GROUNDWATER**: Groundwater encountered: Yes _____ No __XX__ Depth to Groundwater: _____

Groundwater impacted: Yes _____ No _____ Extent Defined: Yes _____ No _____ N/A _____

Number of: Lab Analyses _____ Field Analyses _____ No Data _____

Methodology and/or detection devices: _____

GROUNDWATER MONITORING:

Excavation water samples: _____ # Recovery Sumps: _____
NR 141 Monitoring Wells: _____ # NR 141 Temporary Wells: _____
Prv. Water Supply Wells: _____ # Municipal Wells: _____

TOTAL # OF SAMPLE ROUNDS: _____

PRE-REMEDIATION POST-REMEDIATION

Contaminant:	Location:	Concentration:	Date:	Concentration:	Date:	Applicable Std:

GROUNDWATER REMEDIAL ACTION TAKEN:

JUSTIFICATION FOR CLOSURE:

Groundwater Remedial Action Completed: Yes ____ No ____ N/A Has site been remediated to current standards? Yes __X__ No _____

This recommendation for case closure is based on all the available data as of this date_____and submitted by

_____of_____.
(Name) (WDNR-LMD)

SUMMARY OF CASE:

5 AST's and associated piping were removed from the site. Only the Diesel Tank indicated contamination. Area was excavated to 9 feet. Remaining soils appear clean. Groundwater not encountered.

COMMITTEE RECOMMENDATION: REMEDIAL ACTION COMPLETED: YES ____ NO X

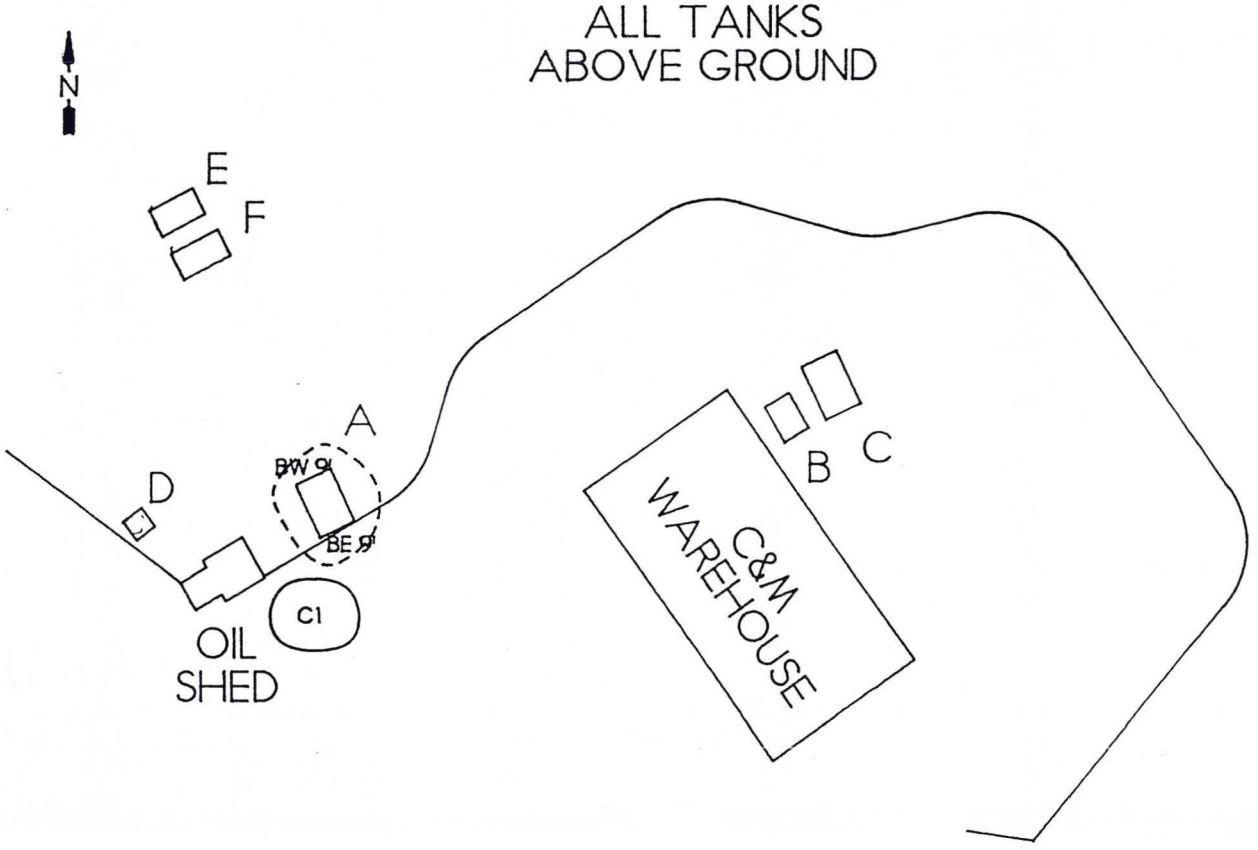
Further work needed: Additional Soil Boring reg'd in center of excavation
3 analysis, resubmit for closure.

Revised: 12/92, wpclosu.frm

NORTHWEST PETROLEUM SERVICE, INC.
4106 NORTH 20th AVENUE
WAUSAU, WISCONSIN 54401
(715) 675-2084
FAX (715) 675-5507

JOB U.S. FOREST SERVICE - GUARD STATION
LOCATION LONG LAKE, WISCONSIN
CALC. BY
DRAWN BY DAN DETERT (12/3/92)
SCALE NO SCALE

ALL TANKS ABOVE GROUND



HNU SAMPLING

SAMPLE ID	DEPTH BELOW SURFACE (FEET)	STABLE (ppm)	HIGH PEAK (ppm)	INST. SCALE	NOTES
C1	3'	180	190	0-200	
BW 9'	9'	.25	.3	0-20	
BE 9'	9'	.1	.2	0-20	
A1	4'	90	97	0-200	
A2	6'	83	92	0-200	
A3	8'	70	76	0-200	

SOIL SAMPLING

SAMPLE ID	DEPTH BELOW SURFACE (FEET)	DRO (ppm)	PVOC PARA. (ppm)	PAH PARA. (ppm)	NOTES
C1		2,600	ND	ND-.13	
BW 9'	9'	ND	-	-	
BE 9'	9'	ND	-	-	

LEGEND

NO SCALE

A - 550 GAL. DIESEL
B - 100 GAL. FUEL OIL
C - 550 GAL. GAS
D - 50 GAL. GAS
E - 250 GAL. FUEL OIL
F - 250 GAL. FUEL OIL

LAB

POLYNUCLEAR AROMATIC HYDROCARBON RESULTS
EPA METHOD 8310

(All values are in µg/Kg which is equal to parts-per-billion)

Client ID:	**Method Blank**	**C1***
TCT ID:		301368

Parameter:			**PQL****
Naphthalene	ND	ND	390
1-methylnaphthalene	ND	ND	500
2-methylnaphthalene	ND	ND	500
Acenaphthylene	ND	ND	500
Acenaphthene	ND	ND	390
Fluorene	ND	ND	46
Phenanthrene	ND	ND	140
Anthracene	ND	ND	150
Fluoranthene	ND	ND	46
Pyrene	ND	130 ug/Kg	59
Benzo (a) anthracene	ND	77 ug/Kg	28
Chrysene	ND	ND	330
Benzo (b) fluoranthene	ND	ND	39
Benzo (k) fluoranthene	ND	ND	37
Benzo (a) pyrene	ND	ND	50
Dibenzo (a,h) anthracene	ND	ND	65
Benzo (ghi) perylene	ND	28	16
Indeno (1,2,3 cd) pyrene	ND	ND	9.5
Date Extracted:	11-12-92	11-12-92	
Date Analyzed:	11-17-92	11-17-92	

All results are reported on a dry weight basis.

PQL = Practical Quantitation Limit

ND = Not Detected

* The sample chromatogram contained many unresolved peaks. It is likely that in addition to the listed PAHs, other PAHs or similar compounds were also present. Since the quantitative values reported here represent the total contribution from all compounds which gave a positive response at the column retention time of a particular PAH, the actual levels may be lower than the reported values. Confirmation of the levels of specific PAHs will require an alternative analytical technique which can isolate and quantify the separate components of the mixture.

** These values have been evaluated and changed to indicate more closely the actual limits of detection in the presence of sample matrix interferences.

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO.: 4410 03-0384

PETROLEUM VOLATILE ORGANIC COMPOUND RESULTS
EPA METHOD 8020

(All values are in mg/Kg which is equal to parts-per-million)

Client ID:	**Method Blank**	**C1**	
TCT ID:		301368	
Parameter:			**PQL**
Benzene	ND	ND	0.050
Toluene	ND	ND	0.050
Ethyl benzene	ND	ND	0.050
Total xylenes	ND	ND	0.050
Methyl-tert-Butyl Ether	ND	ND	0.050
1,3,5-Trimethylbenzene	ND	ND	0.050
1,2,4-Trimethylbenzene	ND	ND	0.050
Surrogate Recovery:			
α,α,α-Trifluorotoluene	105%	101%	
Date Collected:		11-5-92	
Date Extracted:		11-5-92	
Date Analyzed:	11-12-92	11-12-92	

All results are reported on a dry weight basis.

PQL = Practical Quantitation Limit
ND = Not Detected

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

Wisconsin Department of Natural Resources, PUBL-SW-140, April 1992.

LABORATORY NO.: 4410 03-0384

DIESEL RANGE ORGANIC RESULTS
MODIFIED DRO METHOD

(All values are in mg/Kg which is equal to parts-per-million)

Sample Identification	TCT ID	Diesel Range Organics	Triacontane Recovery (%)	Practical Quantitation Limit
C1	301368	2,600	84	250
BW 9'	301369	ND	88	10
BE 9'	301370	ND	87	10
Method Blank		ND	95	10

Date Extracted: 11-12-92

Date Analyzed: 11-26-92

All results are reported on a dry weight basis.

ND = Not Detected

Reference: Wisconsin Department of Natural Resources, PUBL-SW-141, April 1992.

LABORATORY NO.: 4410 03-0384

twin city testing corporation
662 CROMWELL AVENUE
ST. PAUL, MN 55114
PHONE 612/645-3601

REPORT OF: CHEMICAL ANALYSES

PROJECT: US FOREST SERVICE, 8105 93-22 **DATE:** November 23, 1992

REPORTED TO: Twin City Testing Corporation
Attn: Rick Abreu
555 South 72nd Avenue
Wausau, WI 54401

LABORATORY NO: 4410 03-0384

INTRODUCTION

This report presents the results of the analyses of three samples received on November 7, 1992, from a representative of Twin City Testing, Wausau branch. The scope of our services was limited to the parameters listed in the attached tables.

METHODOLOGY

Analyses are performed according to Twin City Testing Standard Operating Procedures. The procedures are based on the references stated in the analytical results tables.

RESULTS

The results are listed in the attached tables.

REMARKS

The samples were collected on November 5, 1992. If samples are not consumed in the analysis, they are held for three months from the date of sample receipt and then disposed, unless written instructions to the contrary are received.

TWIN CITY TESTING CORPORATION

Nancy J. Whaley
Project Manager

Susan D. Max
Director, Environmental Chemistry

NJW/SDM

WISCONSIN
DEPT. OF NATURAL RESOURCES

Bruce Braun
Acting Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
TELEPHONE: (414)492-5921
TELEFAX: (414)492-5859

January 20, 1993

COPY

Nicolet National Forest
Paula Ernst, Forester
68 S. Stevens
Rhinelander, WI 54501

RE: Case Closure Review. ERRP Case 19-00394; Long Lake Guard Station.

Dear Ms. Ernst:

The Department's Remedial Action Closure Review Panel has just completed a review of the above referenced case. This panel reviews environmental remediation cases for compliance with state laws, standards and guidelines to maintain consistency in the closeout of cases. After a careful review, the panel has decided further actions are necessary before case closure can be considered.

The Northwest Petroleum Service, Inc. Site Assessment report indicates that field screening completed at the center if the excavation produced Hnu readings of 70 to 76 ppm at a depth of eight feet. According to the report, soil was excavated to nine feet, however, no additional screening results from the center of the excavation were included with the report. It is necessary to demonstrate that the excavation efforts effectively removed all contaminated soils from the site. The Closure Panel is requiring an additional soil boring be completed at the center of the excavation and an analysis of the soil sample must be submitted to the Department. If the data demonstrates that remaining soils are not contaminated, the case will be reconsidered for closure.

The Department appreciates your efforts to protect and restore the environment at this site. If you have any questions regarding the content of this letter, please contact me at the number in the letterhead.

Sincerely,

Wava Quandt
Wava Kay Quandt
Environmental Specialist
Emergency & Remedial Response Program

cc: Northwest Petroleum Service; Perry Schuette; 2276 Circle Drive
Wausau, WI 54401

Northwest Petroleum Service, Inc.
2276 CIRCLE DRIVE WAUSAU, WISCONSIN 54401
(715) 675-2084

August 23

Wava Kay Quandt
Lake Michigan District Headquarters
1125 N. Military Ave.
P.O. Box 10448
Green Bay, WI 54307-0448

RE: Additional soil samples, ERRP Case 10-00394; Long Lake Guard Station.

Dear Ms. Quandt,

Enclosed are the results of the soil samples taken from the center of the excavation as requested in the letter dated January 20, 1993.

If any further actions are necessary for case closure please call me at 715-675-2084.

Sincerely,

Perry Schuette

Perry Schuette

cc: Nicolet National Forest, Paula Ernst, 68 S. Stevens, Rhinelander, Wisconsin.

WISCONSIN
DEPT. OF NATURAL RESOURCES

Bruce Braun
Acting Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
TELEPHONE: (414)492-5921
TELEFAX: (414)492-5859

January 20, 1993

COPY

Nicolet National Forest
Paula Ernst, Forester
68 S. Stevens
Rhinelander, WI 54501

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Dear Ms. Ernst:

The Department's Remedial Action Closure Review Panel has just completed a review of the above referenced case. This panel reviews environmental remediation cases for compliance with state laws, standards and guidelines to maintain consistency in the closeout of cases. After a careful review, the panel has decided further actions are necessary before case closure can be considered.

The Northwest Petroleum Service, Inc. Site Assessment report indicates that field screening completed at the center if the excavation produced Hnu readings of 70 to 76 ppm at a depth of eight feet. According to the report, soil was excavated to nine feet, however, no additional screening results from the center of the excavation were included with the report. It is necessary to demonstrate that the excavation efforts effectively removed all contaminated soils from the site. The Closure Panel is requiring an additional soil boring be completed at the center of the excavation and an analysis of the soil sample must be submitted to the Department. If the data demonstrates that remaining soils are not contaminated, the case will be reconsidered for closure.

The Department appreciates your efforts to protect and restore the environment at this site. If you have any questions regarding the content of this letter, please contact me at the number in the letterhead.

Sincerely,

Wava Quandt
Wava Kay Quandt
Environmental Specialist
Emergency & Remedial Response Program

cc: Northwest Petroleum Service; Perry Schuette; 2276 Circle Drive
Wausau, WI 54401

twin city testing corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

REPORT OF: CHEMICAL ANALYSES

PROJECT: US FOREST SERVICE **DATE:** June 23, 1993

REPORTED TO: Northwest Petroleum Service, Inc.
Attn: Mr. Perry Schuette
4106 North 20th Avenue
Wausau, WI 54401

PROJECT NO: 8105-93-108

INTRODUCTION

This report presents the results of the analyses of one sample received on June 14, 1993, from Ms. Janet Lewis of Northwest Petroleum Service, Inc. The scope of our service was limited to the parameters listed in the attached tables.

METHODOLOGY

Analyses are performed according to Huntingdon - Twin City Testing Corporation (Huntingdon - TCT) Standard Operating Procedures. The procedures are based on the references stated in the analytical results tables.

RESULTS

The results are listed in the attached tables.

REMARKS

The sample was collected on June 11, 1993. If samples are not consumed in the analysis, they will be held until their designated expiration date, and then disposed, unless written instructions to the contrary are received.

TWIN CITY TESTING CORPORATION
Wisconsin Laboratory Certification #737105930

Dennis J. Daigle
Chemist

Gregory C. Owens
Gregory C. Owens, Geologist
Regional Manager

DJD/GCO/paz

twin city testing corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

DIESEL RANGE ORGANICS ANALYSIS RESULTS

WISCONSIN MODIFIED DRO

(All values are in mg/Kg which is equivalent to parts-per-million)

(All results are reported on a dry weight basis.)

Client Sample ID:	FS	---	
LAB SAMPLE ID:	696	Lab Blank-Q6A40BFE	
Parameter:			Practical Quantitation Limit
Diesel Range Organics (par #78919)	ND	ND	10
Surrogate Recovery:			
Triacontane:	96%	95%	
Percent Moisture:	17%	N/A	
Date Collected:	6-11-93	N/A	
Date Received:	6-14-93	N/A	
Date Preserved:	6-14-93	N/A	
Date Extracted:	6-18-93	6-18-93	
Date Analyzed:	6-19-93	6-19-93	

ND = Not Detected

N/A = Not Applicable

BQL = Below Quantitation Limit

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.
Wisconsin Department of Natural Resources, PUBL-SW-141, April 1992.
Wisconsin Department of Natural Resources, PUBL-SW-142, April 1992.

twin city testing corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

QUALITY CONTROL
DIESEL RANGE ORGANICS ANALYSIS RESULTS
WISCONSIN MODIFIED DRO
(All values are in percent recovery)

LAB SAMPLE ID:	Spike Q6A2E8F5	Replicate Spike Q6A2F44E	
Parameter Recovery:			WDNR Acceptance Criteria
Diesel Range Organics (par #78919)	87%	90%	80-120%
Surrogate Recovery:			
Triacontane	97%	98%	
Date Extracted:	6-17-93	6-17-93	
Date Analyzed:	6-18-93	6-18-93	

N/A = Not Applicable

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

Wisconsin Department of Natural Resources, PUBL-SW-141, April 1992.

Wisconsin Department of Natural Resources, PUBL-SW-142, April 1992

twin city testing corporation

797 PELHAM AVENUE
DOCK 4
ST. PAUL, MN 55114
PHONE 612/659-7555

CHAIN-OF-CUSTODY RECORD

TCT NO. 40010

NORTHWEST PETROLEUM SVC.
CLIENT NAME

4106 N. 20th AVE
CLIENT ADDRESS (STREET NUMBER, SUITE, ETC.)

WAUSAU, WI 54401
CLIENT ADDRESS (CITY, STATE, ZIP)

CLIENT CONTACT/ADDRESS IF DIFFERENT FROM ABOVE — PHONE
715/675-2084

PERRY SCHUETTE / Perry Schuette
SAMPLED BY/ PRINT NAME/SIGNATURE

POSSIBLE HAZARD: YES ____ UNKNOWN X (COMMENT BELOW)

SAMPLE DISPOSAL: RETURN TO CLIENT ____ DISPOSAL BY LAB X
(ADDITIONAL CHARGES MAY BE ASSESSED)

TCT CONTACT U.S. FOREST SERVICE
PROJECT NAME
CLIENT P.O. # / PROJECT NO.
BILL TO (CO. NAME, ADDRESS)
REPORT TO

ANALYSES REQUEST

FILTERED (YES/NO)	N
PRESERVED (CODE)	
REFRIGERATED (Y/N)	Y

CODE A - NONE
B - HNO_3
C - H_2SO_4
D - NaOH
E - HCl
F - ____

DRO

TCT USE ONLY

PROJ. MGR.	DJ / RA
PRIORITY	Norm
INVOICE #	810593-108
JOB NAME	US Forest Serv.
CUSTODY SEAL INTACT/NUMBER Y/N	N/A
TEMPERATURE OF CONTAINER	Ice
SAMPLE CONDITION	Intact

PREPAY Y/N	
CHECK NO.	
CHECK AMOUNT	

ITEM NO.	CLIENT SAMPLE ID.	MATRIX	DATE SAMPLED	TIME SAMPLED									NO. OF CONTAINERS	CONTAINER TYPE	TCT NO.
1	FS	SOIL	6/11/93	14:20	X								3	2 2oz DRY WT	6096
2															
3															
4															
5															
6															
7															
8															
9															
10															

Additional Comments

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Janet Lewis	6/14/93	13:35	DJ Deagle	6/14/93	13:35

* SEE REVERSE SIDE FOR INSTRUCTIONS

8-4-93

Wava —
Attached are results of a soil sample collected by our contractor on June 11, 1993 as requested in your letter dated Jan. 20, 1993.

ERRP Case 19-00394

Paula Ernst
Nicolet National Forest
715/362-1378

Received 7-22-9

twin city testing corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

REPORT OF: CHEMICAL ANALYSES

PROJECT: US FOREST SERVICE **DATE:** June 23, 1993

REPORTED TO: Northwest Petroleum Service, Inc.
Attn: Mr. Perry Schuette
4106 North 20th Avenue
Wausau, WI 54401

PROJECT NO: 8105-93-108

INTRODUCTION

This report presents the results of the analyses of one sample received on June 14, 1993, from Ms. Janet Lewis of Northwest Petroleum Service, Inc. The scope of our service was limited to the parameters listed in the attached tables.

METHODOLOGY

Analyses are performed according to Huntingdon - Twin City Testing Corporation (Huntingdon - TCT) Standard Operating Procedures. The procedures are based on the references stated in the analytical results tables.

RESULTS

The results are listed in the attached tables.

REMARKS

The sample was collected on June 11, 1993. If samples are not consumed in the analysis, they will be held until their designated expiration date, and then disposed, unless written instructions to the contrary are received.

TWIN CITY TESTING CORPORATION
Wisconsin Laboratory Certification #737105930

Dennis J. Daigle
Chemist

Gregory C. Owens / ne
Gregory C. Owens, Geologist
Regional Manager

DJD/GCO/paz

twin city testing corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

DIESEL RANGE ORGANICS ANALYSIS RESULTS
WISCONSIN MODIFIED DRO
(All values are in mg/Kg which is equivalent to parts-per-million)
(All results are reported on a dry weight basis.)

Client Sample ID:	FS	---	
LAB SAMPLE ID:	696	Lab Blank-Q6A40BFE	
Parameter:			Practical Quantitation Limit
Diesel Range Organics (par #78919)	ND	ND	10
Surrogate Recovery:			
Triacontane:	96%	95%	
Percent Moisture:	17%	N/A	
Date Collected:	6-11-93	N/A	
Date Received:	6-14-93	N/A	
Date Preserved:	6-14-93	N/A	
Date Extracted:	6-18-93	6-18-93	
Date Analyzed:	6-19-93	6-19-93	

ND = Not Detected

N/A = Not Applicable

BQL = Below Quantitation Limit

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.
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twin city testing corporation
555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

QUALITY CONTROL
DIESEL RANGE ORGANICS ANALYSIS RESULTS
WISCONSIN MODIFIED DRO
(All values are in percent recovery)

LAB SAMPLE ID:	Spike Q6A2E8F5	Replicate Spike Q6A2F44E	
Parameter Recovery:			WDNR Acceptance Criteria
Diesel Range Organics (par #78919)	87%	90%	80-120%
Surrogate Recovery:			
Triacontane	97%	98%	
Date Extracted:	6-17-93	6-17-93	
Date Analyzed:	6-18-93	6-18-93	

N/A = Not Applicable

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

Wisconsin Department of Natural Resources, PUBL-SW-141, April 1992.

Wisconsin Department of Natural Resources, PUBL-SW-142, April 1992

twin city testing corporation
737 PELHAM AVENUE
DOCK 4
ST. PAUL, MN 55114
PHONE 612/659-7555

CHAIN-OF-CUSTODY RECORD

TCT NO. 40010

NORTHWEST PETROLEUM SVC.
CLIENT NAME
4106 N. 20th AVE
CLIENT ADDRESS (STREET NUMBER, SUITE, ETC.)
WAUSAU, WI 54401
CLIENT ADDRESS (CITY, STATE, ZIP)
715/675-2084
CLIENT CONTACT/ADDRESS IF DIFFERENT FROM ABOVE — PHONE
PERRY SCHUETTE / Perry Schuette
SAMPLED BY: PRINT NAME/SIGNATURE

POSSIBLE HAZARD: YES ____ UNKNOWN X (COMMENT BELOW)

SAMPLE DISPOSAL: RETURN TO CLIENT ____ DISPOSAL BY LAB X
(ADDITIONAL CHARGES MAY BE ASSESSED)

TCT CONTACT: U.S. FOREST SERVICE
PROJECT NAME
CLIENT P.O. # / PROJECT NO.
BILL TO (CO. NAME, ADDRESS)
REPORT TO

ANALYSES REQUEST: DRO
FILTERED (YES/NO): N
PRESERVED (CODE):
REFRIGERATED (Y/N): Y

CODE A - NONE
B - HNO_3
C - H_2SO_4
D - NaOH
E - HCl
F - ____

TCT USE ONLY

PROJ. MGR.	DJ/RA
PRIORITY	Norm
INVOICE #	8105 93-108
JOB NAME	US Forest Serv.
CUSTODY SEAL INTACT/NUMBER Y/N	N/A
TEMPERATURE OF CONTAINER	Ice
SAMPLE CONDITION	Intact

PREPAY Y/N	
CHECK NO.	
CHECK AMOUNT	

ITEM NO.	CLIENT SAMPLE ID.	MATRIX	DATE SAMPLED	TIME SAMPLED	DRO								NO. OF CONTAINERS	CONTAINER TYPE	TCT NO.
1	FS	SOIL	6/11/93	14:20 (↑ should be 7:30am 8-3-93 Perry S.)	X								3	2 2oz, 1 Dry Wt	696
2															
3															
4															
5															
6															
7															
8															
9															
10															

Additional Comments

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Janet Lewis	6/14/93	13:35	DJ Daigh	6/14/93	13:35

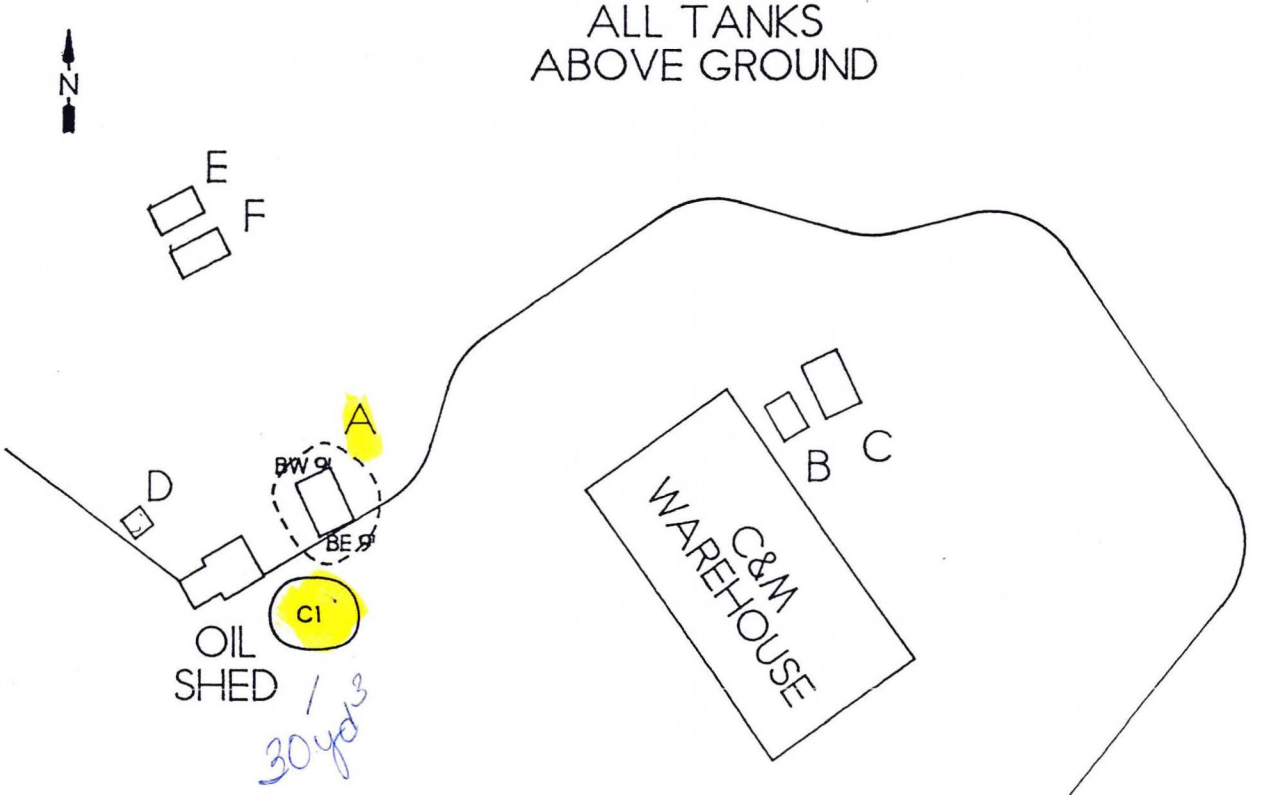
C813 Rev. 10/91

* SEE REVERSE SIDE FOR INSTRUCTIONS

NORTHWEST PETROLEUM SERVICE, INC.
4106 NORTH 20th AVENUE
WAUSAU, WISCONSIN 54401
(715) 675-2084
FAX (715) 675-5507

JOB U.S. FOREST SERVICE - GUARD STATION
LOCATION LONG LAKE, WISCONSIN
CALC. BY
DRAWN BY DAN DETERT (12/3/92)
SCALE NO SCALE

ALL TANKS ABOVE GROUND



Per Lt Lewis 12/16/92
A1, 2, 3 are at centers of excavation

HNU SAMPLING

SAMPLE ID	DEPTH BELOW SURFACE (FEET)	STABLE (ppm)	HIGH PEAK (ppm)	INST. SCALE	NOTES
C1	3'	180	190	0-200	
BW 9'	9'	.25	.3	0-20	
BE 9'	9'	.1	.2	0-20	
A1	4'	90	97	0-200	
A2	6'	83	92	0-200	
A3	8'	70	76	0-200	

Centers

SOIL SAMPLING

SAMPLE ID	DEPTH BELOW SURFACE (FEET)	DRO (ppm)	PVOC PARA. (ppm)	PAH PARA. (ppm)	NOTES
C1		2,600	ND	ND-.13	
BW 9'	9'	ND	-	-	
BE 9'	9'	ND	-	-	

LEGEND

NO SCALE

A - 550 GAL. DIESEL
B - 100 GAL. FUEL OIL
C - 550 GAL. GAS
D - 50 GAL. GAS
E - 250 GAL. FUEL OIL
F - 250 GAL. FUEL OIL

NORTHWEST
PETROLEUM SERVICE
WAUSAU, WISCONSIN

Northwest Petroleum Service, Inc.

2276 CIRCLE DRIVE WAUSAU, WISCONSIN 54401
(715) 675-2084
FAX (715) 675-5507

SITE ASSESSMENT for

U.S. Forest Service Station

Long Lake, WI 54542

PHASE I ABOVEGROUND STORAGE TANK/SUBSURFACE SITE ASSESSMENT

U.S Forest Service Station

Long Lake, WI 54542

Certification I.D. Number
Perry Schuette
00087

PREPARED FOR:
Nicolet National Forest
US Forest Service District
Thomas V. Gadzalinski/Contracting Officer
P.O. Box 1336
Rhinelander, WI 54501
715-362-1176

PREPARED BY:
Northwest Petroleum Service
4106 N. 20th Ave.
Wausau, WI 54401
Phone: 715-675-2084
Fax: 715-675-5507

November 5, 1992

TABLE OF CONTENTS

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LIST OF APPENDICES

REPORT OF
ABOVEGROUND STORAGE TANK/SUBSURFACE ASSESSMENT

US Forest Service Station

Long Lake, WI 54542

1.0 INTRODUCTION

This report represents the results of the observation and aboveground storage tank removal assessment located at US Forest Service Station, in Long Lake, Wisconsin. The report presents the results of the assessment in addition to conclusions.

The Scope of services included the following:

1. Observe the removal of the six aboveground storage tanks and associated supply lines.

2. Screen soil samples with an HNU photoionization detector (PID) for the presence of organic vapors.

3. Collect representative soil samples for laboratory analysis for the following parameters: Diesel Range Organics (DRO), Polynuclear Aromatic Hydrocarbon (PAH) and Petroleum Volatile Organic Compound (PVOC) as required by the Department of Industry, Labor and Human Relations (DILHR) site assessment guidelines for aboveground storage tanks.

4. Provide a report summarizing all data and methodologies from the assessment.

2.0 BACKGROUND INFORMATION

US Forest Service Station is located in the Village of Long Lake, Wisconsin. The legal description of the property is listed as Township 39 N, Range 15 E, and Section 19 SW 1/4 of the SE 1/4. The site is located in Florence County, Wisconsin. Six aboveground

BACKGROUND INFORMATION (cont)

storage tanks were located on site and the size and contents are as follows:

1 - 550 Gallon - Diesel (And Associated Supply Line)
1 - 100 Gallon - Fuel Oil (And Associated Supply Line)
1 - 550 Gallon - Unleaded Gas (And Associated Supply Line)
1 - 50 Gallon - Unleaded Gas (And Associated Supply Line)
2 - 250 Gallon - Fuel Oil (And Associated Supply Line)

The tanks were located in the area of the site (Figure 2).

Northwest Petroleum Service has no knowledge of any remaining aboveground or underground storage tanks or any previously removed. Upon visual inspection, we did not observe any other tanks and/or gas stations within 3 blocks of site. We also have no knowledge of any past system leaks or repairs.

There is a potable/drinking well located in the area of the Guard Station (Figure 2). The weather conditions were mostly cloudy and 30 degrees.

The US Forest Service has had these facilities for many years.

3.0 PROJECT RESULTS

Northwest Petroleum Service was contacted by Thomas V. Gadzalinski, the contracting officer in September of 1992 to partake in the observation, removal of the aboveground storage tanks, there associated piping, collect soil samples as needed and submit them to a certified laboratory for chemical analysis. Soil samples are also

PROJECT RESULTS (cont)

screened with an HNU photoionization detector (PID). The removal of the aboveground storage tanks was conducted on November 5, 1992.

Carl Frisque, Tank Inspector for the county of Florence, was notified but not present during the removal of the six aboveground storage tanks.

3.1 ABOVEGROUND STORAGE TANKS

The material encountered during the removals, excluding top soil, included sand (SM). Upon visual inspection the soil under the 500 gallon diesel aboveground storage tank appeared to have soil staining and a odor was detected. The cause of this was thought to be from overfills and over spills. S.G.S. Inc., W4490 Pope Rd. 12-7, Merrill, Wisconsin, over-excavated the area to 9 feet in depth. There was approximately 30 cubic yards of the contaminated soil stockpiled. The soil was placed on and covered with 6 mil poly-plastic. There was no ground water or free product encountered during the over-excavation. All the other aboveground storage tanks did not appear to have any soil staining, nor was a odor detected.

The six aboveground storage tanks were located in various areas within the Long Lake Guard Station (Figure 2). Tank A (550 gallon diesel fuel tank) was located to the east of the oil shed. Tanks B

ABOVEGROUND STORAGE TANKS (cont)

& C (100 gallon fuel oil & 550 gallon unleaded gasoline tanks) were located to the east of the C & M Warehouse. Tank D (50 gallon unleaded gasoline tank) was located northeast of the oil shed and tanks E & F (250 gallon fuel oil tanks) were located between the garage and the C & M Warehouse to the east.

Upon visual inspection, all the aboveground storage tanks appeared to be solid. There were no obvious holes or cracks detected. The associated piping was removed at the same time as the aboveground storage tanks. Clean material was used to fill the excavation by the owner.

3.2 SUPPLY LINE REMOVAL

The supply line leading from the aboveground storage tank were excavated on November 5, 1992.

Upon visual inspection the supply lines appeared to be in rusty, but solid. There were no obvious holes or cracks.

Once the tanks could be accessed directly it was evident that there was 13 gallons of unleaded material left in the aboveground storage tanks. Upon examining the remaining material it was determined that it was 80% product and 20% sludge. There was no remain diesel or fuel oil material. The remaining unleaded product/sludge and any cleaning wastewater was placed in 1 - 30 gallon D.O.T. approved

SUPPLY LINE REMOVAL (cont)

drum, marked as hazardous material and disposed of by Remedial Environmental Services Co. (RESCO), Route 7, Eau Claire, WI 54701. The remaining product/sludge was not manifested, so no EPA generator ID numbers were needed.

Jay Schlueter, of S.G.S. Inc., W4490 Pope Road, Merrill, Wisconsin took custody of the aboveground storage tanks, cut and cleaned them on site and disposed of them at a scrap yard.

3.3 SOIL SCREENING

Samples were collected from within the excavation and screened for the presence of Total Organic Vapors with and HNU photoionization detector, using the methods described in Appendix A. The last date of calibration was November 3, 1992. The lamp energy in electrovolts is 11.7. The weather conditions were mostly cloudy and 30 degrees. The screening results ranged from .2 to 190.0 ppm HNU units from the various depths sampled within the excavation site. Soil screening results are included in Appendix B. The HNU photoionization detector measures the concentration of organic vapors in the atmosphere. It does not differentiate between specific organic vapors, but rather measures Total Organic Vapors with electropotentials equal to or less than the probe. For this reason, it is important to note that there is no correlation between qualitative HNU screening and quantitative analytical results.

3.4 CHEMICAL ANALYSIS OF SOIL

A total of three soil samples were collected from the site; one from the east and west ends of the tank A (550 gallon diesel tank) over-excavation. These soil samples were collected at 9' in depth and analyzed for DRO. In addition to the two soil samples from the over-excavation there was one soil sample collected from the stockpile and was analyzed for DRO, PVOC and PAH.

All the soil samples were analyzed by a State Certified Laboratory. The soil samples were packed on ice and relinquished to Twin City Testing Corporation, Wausau branch for analysis.

Analytical results indicate that contamination is no longer impacting the soil at the 9' level of the 500 gallon aboveground diesel tank over-excavation. The results for DRO indicated no detection.

4.0 CONCLUSIONS

Based on site observations and analytical results it appears that the contamination from the 500 gallon diesel aboveground storage tank has been successfully over-excavated and that there no longer exist any contamination at or above the Department of Industry, Labor and Human Relation (DILHR) site assessment guidelines for aboveground storage tanks.

CONCLUSION (cont)

These results are below the 10 ppm in soil established in the DILHR site assessment guidelines for aboveground storage tanks. In our opinion, additional activities are not required for a complete environmental assessment.

According to current DILHR site assessment guidelines for aboveground storage tanks the Wisconsin Department of Natural Resource (WDNR) must be notified of the results of the aboveground storage tank site assessment.

5.0 STANDARD OF CARE

Evaluations derived from field sampling and laboratory analysis are considered accurate only at the specific locations sampled for each phase of this environmental assessment. Other than this, no warranty is implied or intended.

This report was prepared by: Perry Schuette

Perry Schuette

Project Manager

Proofread by: Janet Lewis

NORTHWEST PETROLEUM SERVICE, INC.
4106 NORTH 20th AVENUE
WAUSAU, WISCONSIN 54401
(715) 675-2084
FAX (715) 675-5507

JOB U.S. FORREST SERVICE - GUARD STATION
LOCATION LONG LAKE, WISCONSIN
CALC. BY
DRAWN BY DAN DETERT (12/3/92)
SCALE

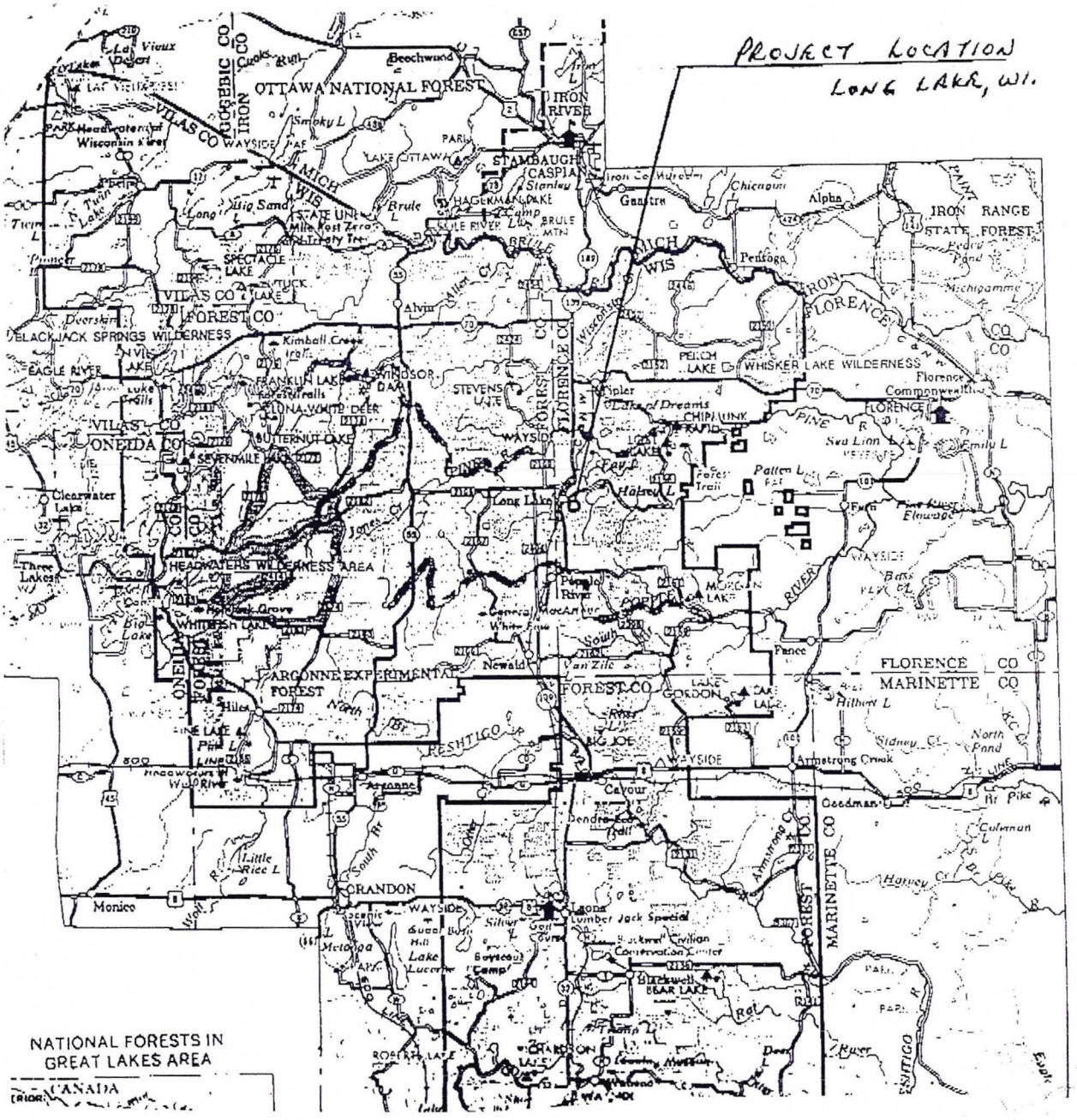
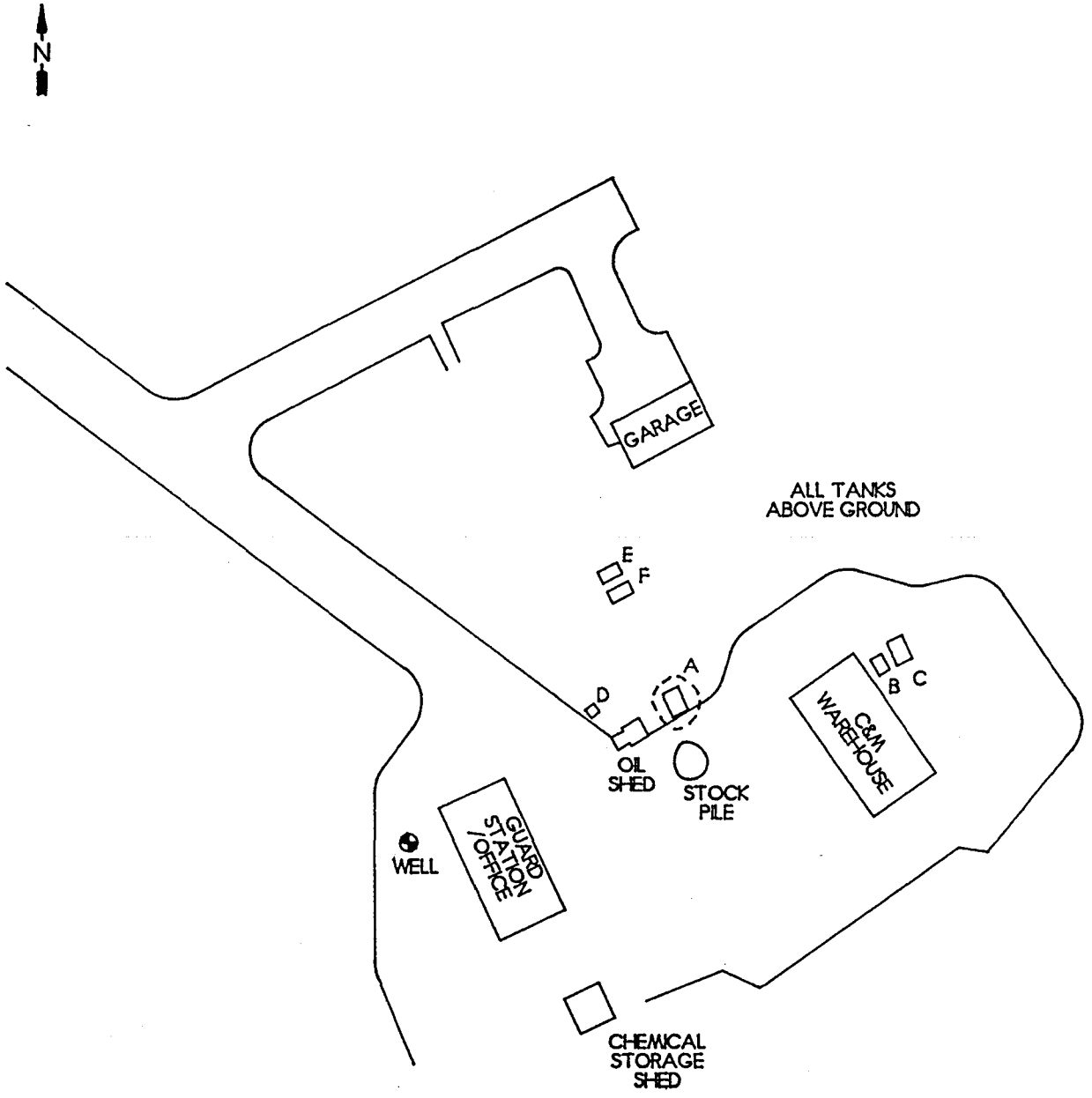


FIGURE 2 ABOVEGROUND STORAGE TANK LOCATION MAP

NORTHWEST PETROLEUM SERVICE, INC.
4106 NORTH 20th AVENUE
WAUSAU, WISCONSIN 54401
(715) 675-2084
FAX (715) 675-5507

JOB U.S. FOREST SERVICE - GUARD STATION
LOCATION LONG LAKE, WISCONSIN
CALC. BY
DRAWN BY DAN DETERT (12/3/92)
SCALE NO SCALE



LEGEND

NO SCALE

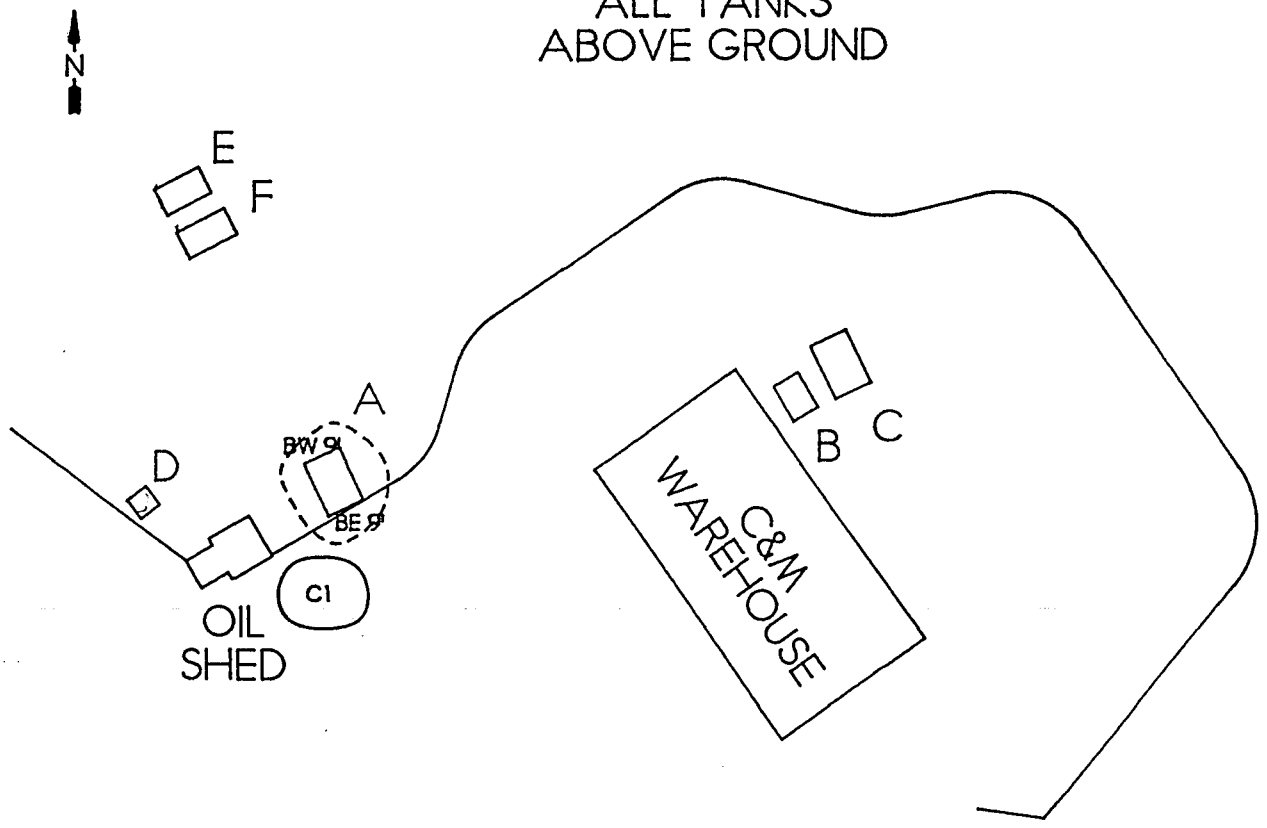
A - 550 GAL. DIESEL
B - 100 GAL. FUEL OIL
C - 550 GAL. GAS
D - 50 GAL. GAS
E - 250 GAL. FUEL OIL
F - 250 GAL. FUEL OIL

FIGURE 3 SAMPLING LOCATION MAP

NORTHWEST PETROLEUM SERVICE, INC.
4106 NORTH 20th AVENUE
WAUSAU, WISCONSIN 54401
(715) 675-2084
FAX (715) 675-5507

JOB U.S. FOREST SERVICE - GUARD STATION
LOCATION LONG LAKE, WISCONSIN
CALC. BY
DRAWN BY DAN DETERT (12/3/92)
SCALE NO SCALE

ALL TANKS
ABOVE GROUND



HNU SAMPLING

SAMPLE ID	DEPTH BELOW SURFACE (FEET)	STABLE (ppm)	HIGH PEAK (ppm)	INST. SCALE	NOTES
C1	3'	180	190	0-200	
BW 9'	9'	.25	.3	0-20	
BE 9'	9'	.1	.2	0-20	
A1	4'	90	97	0-200	
A2	6'	83	92	0-200	
A3	8'	70	76	0-200	

SOIL SAMPLING

SAMPLE ID	DEPTH BELOW SURFACE (FEET)	DRO (ppm)	PVOC PARA. (ppm)	PAH PARA. (ppm)	NOTES
C1		2,600	ND	ND-.13	
BW 9'	9'	ND	-	-	
BE 9'	9'	ND	-	-	

LEGEND

NO SCALE
A - 550 GAL. DIESEL
B - 100 GAL. FUEL OIL
C - 550 GAL. GAS
D - 50 GAL. GAS
E - 250 GAL. FUEL OIL
F - 250 GAL. FUEL OIL

TABLE 1 CHEMICAL ANALYSIS

twin city testing corporation
662 CROMWELL AVENUE
ST. PAUL, MN 55114
PHONE 612/645-3601

REPORT OF: CHEMICAL ANALYSES

PROJECT: **US FOREST SERVICE, 8105 93-22** **DATE:** November 23, 1992

REPORTED TO: Twin City Testing Corporation
Attn: Rick Abreu
555 South 72nd Avenue
Wausau, WI 54401

LABORATORY NO: 4410 03-0384

INTRODUCTION

This report presents the results of the analyses of three samples received on November 7, 1992, from a representative of Twin City Testing, Wausau branch. The scope of our services was limited to the parameters listed in the attached tables.

METHODOLOGY

Analyses are performed according to Twin City Testing Standard Operating Procedures. The procedures are based on the references stated in the analytical results tables.

RESULTS

The results are listed in the attached tables.

REMARKS

The samples were collected on November 5, 1992. If samples are not consumed in the analysis, they are held for three months from the date of sample receipt and then disposed, unless written instructions to the contrary are received.

TWIN CITY TESTING CORPORATION

Nancy J. Whaley
Project Manager

Susan D. Max
Director, Environmental Chemistry

NJW/SDM

DIESEL RANGE ORGANIC RESULTS
MODIFIED DRO METHOD

(All values are in mg/Kg which is equal to parts-per-million)

Sample Identification	TCT ID	Diesel Range Organics	Triacontane Recovery (%)	Practical Quantitation Limit
C1	301368	2,600	84	250
BW 9'	301369	ND	88	10
BE 9'	301370	ND	87	10
Method Blank		ND	95	10
Date Extracted:		11-12-92		
Date Analyzed:		11-26-92		

All results are reported on a dry weight basis.

ND = Not Detected

Reference: Wisconsin Department of Natural Resources, PUBL-SW-141, April 1992.

LABORATORY NO.: 4410 03-0384

PETROLEUM VOLATILE ORGANIC COMPOUND RESULTS
EPA METHOD 8020

(All values are in mg/Kg which is equal to parts-per-million)

Client ID:	**Method Blank**	**C1**	
TCT ID:		301368	
Parameter:			**PQL**
Benzene	ND	ND	0.050
Toluene	ND	ND	0.050
Ethyl benzene	ND	ND	0.050
Total xylenes	ND	ND	0.050
Methyl-tert-Butyl Ether	ND	ND	0.050
1,3,5-Trimethylbenzene	ND	ND	0.050
1,2,4-Trimethylbenzene	ND	ND	0.050
Surrogate Recovery:			
α,α,α-Trifluorotoluene	105%	101%	
Date Collected:		11-5-92	
Date Extracted:		11-5-92	
Date Analyzed:	11-12-92	11-12-92	

All results are reported on a dry weight basis.

PQL = Practical Quantitation Limit
ND = Not Detected

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

Wisconsin Department of Natural Resources, PUBL-SW-140, April 1992.

LABORATORY NO.: 4410 03-0384

POLYNUCLEAR AROMATIC HYDROCARBON RESULTS
EPA METHOD 8310

(All values are in µg/Kg which is equal to parts-per-billion)

Client ID:	**Method Blank**	**C1***	
TCT ID:		301368	
Parameter:			**PQL****
Naphthalene	ND	ND	390
1-methylnaphthalene	ND	ND	500
2-methylnaphthalene	ND	ND	500
Acenaphthylene	ND	ND	500
Acenaphthene	ND	ND	390
Fluorene	ND	ND	46
Phenanthrene	ND	ND	140
Anthracene	ND	ND	150
Fluoranthene	ND	ND	46
Pyrene	ND	130	59
Benzo (a) anthracene	ND	77	28
Chrysene	ND	ND	330
Benzo (b) fluoranthene	ND	ND	39
Benzo (k) fluoranthene	ND	ND	37
Benzo (a) pyrene	ND	ND	50
Dibenzo (a,h) anthracene	ND	ND	65
Benzo (ghi) perylene	ND	28	16
Indeno (1,2,3 cd) pyrene	ND	ND	9.5
Date Extracted:	11-12-92	11-12-92	
Date Analyzed:	11-17-92	11-17-92	

All results are reported on a dry weight basis.

PQL = Practical Quantitation Limit

ND = Not Detected

* The sample chromatogram contained many unresolved peaks. It is likely that in addition to the listed PAHs, other PAHs or similar compounds were also present. Since the quantitative values reported here represent the total contribution from all compounds which gave a positive response at the column retention time of a particular PAH, the actual levels may be lower than the reported values. Confirmation of the levels of specific PAHs will require an alternative analytical technique which can isolate and quantify the separate components of the mixture.

** These values have been evaluated and changed to indicate more closely the actual limits of detection in the presence of sample matrix interferences.

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO.: 4410 03-0384

twin city testing corporation

737 PELHAM AVENUE
DOCK 4
ST. PAUL, MN 55114
PHONE 612/659-7555

CHAIN-OF-CUSTODY RECORD

TCT NO. 37563

TCT USE ONLY	
PROJ. MGR.	Nancy
PRIORITY	Normal
INVOICE #	4410 03-0384
JOB NAME	WAU-NW-Pet, 77
CUSTODY SEAL INTACT/NUMBER Y/N	N/A
TEMPERATURE OF CONTAINER	On ICE
SAMPLE CONDITION	OK

CLIENT NAME: Northwest Petroleum Svc.
CLIENT ADDRESS (STREET NUMBER, SUITE, ETC.): 4106 N. 20th Ave
CLIENT ADDRESS (CITY, STATE, ZIP): Wausau, WI 54401
CLIENT CONTACT/ADDRESS IF DIFFERENT FROM ABOVE: Peggy Schuette PHONE: (715) 675-2054
SAMPLED BY/ PRINT NAME/SIGNATURE: Peggy Schuette

TCT CONTACT: US Forest Service (Long Lake, WI)
PROJECT NAME: 810S-93-22
CLIENT P.O. # / PROJECT NO.:
BILL TO (CO. NAME, ADDRESS):
REPORT TO:

POSSIBLE HAZARD: YES ____ UNKNOWN X (COMMENT BELOW)

SAMPLE DISPOSAL: RETURN TO CLIENT ____ DISPOSAL BY LAB X
(ADDITIONAL CHARGES MAY BE ASSESSED)

PREPAY Y/N	N
CHECK NO.	
CHECK AMOUNT	

ANALYSES REQUEST

CODE A - NONE
B - HNO_3
C - H_2SO_4
D - NaOH
E - HCl
F - ____

ITEM NO.	CLIENT SAMPLE ID.	MATRIX	DATE SAMPLED	TIME SAMPLED	FILTERED (YES/NO)	PRESERVED (CODE)	REFRIGERATED (Y/N)	NO. OF CONTAINERS	CONTAINER TYPE	TCT NO.
X1	C1	Soil	11/5/92	3 pm	X		Y	6	4 - 20z, 2 - 4oz	301368
2	BW 9'	Soil	"	4 pm		X	"	3	2 - 2oz, 1 - Dry Wt	301369
3	BE 9'	Soil	"	"		X	"	3	" "	301370
4										
5										
6										
7										
8										
9										
10										

Additional Comments

Received on Ice DJ Daigle
* one 2oz Jar & Bracket on Floor when handling, 11/11/92 Fell * PS

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Bette N.	11-6-92	3:55 pm	DJ Daigle	11-6-92	15:55
D.J. Daigle	11-6-92	16:00	Pauler 1st Class	11/7/92	10:00

LIST OF APPENDICES

APPENDIX A METHOD AND PROCEDURES

METHOD AND PROCEDURES

SOIL SCREENING

Fresh soil samples were sealed in plastic zip lock bags and the samples were allowed to volatilize for approximately 10 minutes. The HNU probe was placed within 1 to 2 inches of the sample and an organic reading was taken. The results of these readings are included in Appendix B.

SAMPLE COLLECTION AND CHAIN OF CUSTODY

Soil samples were collected from the excavation and placed into either 2 ounce or 4 ounce laboratory prepared glass jars. Upon completion of a sample, a chain of custody log was initiated. The Chain of Custody recorded included the following information: Project work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, type of analysis, sample(s), signature(s), etc... As few people as possible handled the samples.

ANALYTICAL PROCEDURES

Petroleum Volatile Organic Compound (PVOC) results were determined using EPA method 8020, Diesel Range Organic (DRO) results were determined using Modified DRO Method and Polynuclear Aromatic Hydrocarbon (PAH) results were determined using EPA Method 8310.

APPENDIX B HNU READINGS

H N U L O G

Project US Forest Service - Long Lake Guard Station Date 11/5/92

Location _____ WO# _____

Instrument ID Number _____ Probe ID Number _____

Calibration Date 11/3/92 Lamp 11.7 eV

Background Reading (pre) _____ ppm (post) _____ ppm

Background Reading Location _____

Note Possible Interferences _____

Weather Conditions mostly cloudy Temp 30 °F

Soil Boring ID _____ Other _____

Sample ID	Depth Below Surface (feet)	Stable (ppm)	High Peak (ppm)	Inst. Scale	Notes
C1	3'	180	190	0-200	
BW 9'	9'	.25	.3	0-20	
BE 9'	9'	.1	.2	0-20	
A1	4'	90	97	0-200	
A2	6'	83	92	0-200	
A3	8'	70	76	0-200	

COMMENTS: _____

Form Completed By: _____ Reviewed By: _____

NORTHWEST PETROLEUM SERVICE, INC.
2276 Circle Drive, Wausau, WI 54401
(715) 675-2084 FAX: (715) 675-5507

APPENDIX C DISPOSAL FORMS AND TANK CLOSURE LIST

11/5/92

DOCUMENTATION - Tank Removal

Date: 11-5-92

Customer Name: NORTHWEST PETROLEUM

Job Site: U.S. FORESTRY SERVICE
LONG LAKE, WI

Number of Tanks: 6

Size of Tank:
1-550
1-500 Gallons
2-275 Gallons
1-100
1-50

Type of Tank -
Unleaded gasoline 1-500
Leaded gasoline 1-50
Diesel fuel 1-550
Heating oil #1,#2 2-275, 1-100
Heating oil #5,#6
Waste oil
Other

Waste Removed		Product	Sludge
Gasoline:	13 Gal.	80%	20%
Diesel/Heating Oil:			
Other:			

Number of Drums: 1

Size of Drums: 30 Gallons
Gallons

Tank Taken To: S.G.S. INC.

Job Completed By: [signature] Date: 11-5-92

SGS, INC.
W4490 Pope Road 12-7
Merrill, WI 54452
(715) 539-2803

Faxed to Su
11/10/92

RESCO

Remedial Environmental Services Co.
A Division of Waste Research & Reclamation Co., Inc.

PROFILE SHEET FOR UST PROGRAM

A. General Information EPA Number ____________

Business Name (Tank owner) US Forestry Service
Site Address ____________
City, State, Zip Long Lake, WI

Contact Paula Ernst Phone (715) 362-1378

Contractor:
Name NORTHWEST PETROLEUM
Address 2276 CIRCLE DRIVE
City, State, Zip WAUSAU, WI 54401

Contact PERRY SCHUETTE Phone (715) 675-2084

Bill to Generator ____ Contractor X WAUSAU CHEMICAL CORPORATION

B. Underground Tank Size Capacity (Gal.) ____________

Date tank was taken out of service 11-5-92
Material currently in tank - Unleaded gasoline x 13 gal
(Check one) Leaded gasoline ____
Diesel fuel ____
Heating oil #1,#2 ____
Heating oil #5,#6 ____
Waste oil ____
Other ____

* Does the sludge contain PCB's? YES ____ NO X
Tank will be disposed of at WR&R: YES ____ NO X
Transportation, of sludge, will be by:
Contractor X WAUSAU CHEMICAL CORPORATION
WR&R ____

Total gallons (projected) to be disposed of at WR&R: 13

Certification: I, the undersigned, the generator, or an employee of the generator, and having proper authority granted by the generator, hereby certify the information above is a true representation of the waste. I have examined and am familiar with the information submitted in this form. To the best of my knowledge it is true and correct, and that all known and suspected hazards have been disclosed.

Generator Signature Thomas V. Gudzulewski Date 11/10/92

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR ~~UNDER~~ABOVEGROUND TANK CLOSURE

RETURN COMPLETED CHECKLIST TO:
Safety & Buildings Division
Fire Prevention & Underground Storage Tank Section
P. O. Box 7969, Madison, WI 53707

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☒ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name: US FOREST SERVICE STATION	2. Owner Name: U.S. FOREST SERVICE
Site Street Address (not P.O. Box)	Owner Street Address: P.O. BOX 1336
☐ City ☒ Village ☐ Town of: LONG LAKE	☒ City ☐ Village ☐ Town of: RHINELANDER; State: WI; Zip Code: 54501
State: WI; Zip Code: ; County: FLORENCE	County: ONEIDA; Telephone No. (include area code): (715) 362-1176
3. Closure Company Name (Print): NORTHWEST PETROLEUM SVC.	Closure Company Street Address: 4106 N. [illegible] AVE.
Closure Company Telephone No. (include area code): (715) 675-[illegible]	Closure Company City, State, Zip Code: WAUSAU WI 54401
4. Name of Company Performing Closure Assessment: NORTHWEST PETROLEUM SVC	Assessment Company Street Address, City, State, Zip Code: 4106 N. [illegible] AVE WAUSAU WI 54401

Telephone # (include area code)	Certified Assessor Name (Print)	Assessor Signature	Assessor Certification No.
(715) 675-[illegible]	[illegible] SCHUETTE	[signature]	[illegible]87

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1. A	☒	☐	☐	550	01	☐ Y ☐ N
2. B	☒	☐	☐	[illegible]	04	☐ Y ☐ N
3. C	☒	☐	☐	550	03	☐ Y ☐ N
4. D	☒	☐	☐	550	03	☐ Y ☐ N
5. E	☐	☐	☐	250	04	☐ Y ☐ N
6. F	☒	☐	☐	250	04	☐ Y ☐ N

* Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix; 11-Waste oil; 13-Chemical (indicate the chemical name(s) or numbers(s) ________ ________ ________; 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. ☐ Y ☐ N ☐ NA
All local permits were obtained before beginning closure. ☐ Y ☐ N ☐ NA

Check applicable box at right in response to all statements in Sections B - E.

B. TEMPORARILY OUT OF SERVICE

	Remover Verified	Inspector Verified	NA
Written inspector approval of temporary closure obtained, which is effective until (provide date) ________	☐ Y ☐ N	☐	☐
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐ Y ☐ N	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐	☐
5. Vent lines left open.	☐ Y ☐ N	☐	☐
6. Inventory form filed indicating temporary closure.	☐ Y ☐ N	☐	☐

C. CLOSURE BY REMOVAL

	Remover Verified	Inspector Verified	NA
1. Product from piping drained into tank (or other container).	☒ Y ☐ N	☐	☐
2. Piping disconnected from tank and removed.	☒ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☒ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒ Y ☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.**	☒ Y ☐ N	☐	☐
6. Vent lines left connected until tanks purged.	☒ Y ☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☒ Y ☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☒ Y ☐ N	☐	☐
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☒ Y ☐ N	☐	☐
10. Tank cleaned before being removed being removed from site.	☒ Y ☐ N	☐	☐

- CONTINUE ON NEXT PAGE -

C. CLOSURE BY REMOVAL (continued)

	Remover Verified	Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	☒ Y ☐ N	☐	☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.			
12. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site.	☐ Y ☐ N	☐	☑
13. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal.	☒ Y ☐ N	☐	☐
14. Site security is provided while the excavation is open.	☒ Y ☐ N	☐	☐

D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS OR LOCAL AGENT.

1. Product from piping drained into tank (or other container).			
2. Piping disconnected from tank and removed.	☐ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐ Y ☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☐ Y ☐ N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT ABOVE GRADE.			
6. Vent lines left connected until tanks purged.	☐ Y ☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐ Y ☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☐ Y ☐ N	☐	☐
9. Tank properly cleaned to remove all sludge and residue.	☐ Y ☐ N	☐	☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐ Y ☐ N	☐	☐
11. Vent line disconnected or removed.	☐ Y ☐ N	☐	☐
12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place.	☐ Y ☐ N	☐	☐

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☒ Y ☐ N	☐	☐
2. Do points of obvious contamination exist?	☒ Y ☐ N	☐	☐
3. Are there strong odors in the soils?	☒ Y ☐ N	☐	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☐ Y ☐ N	☐	☐
5. Was a closure assessment omitted because of obvious contamination?	☐ Y ☒ N	☐	☐
6. Was the DNR notified of suspected or obvious contamination?	☐ Y ☐ N	☐	☐

Agency, office and person contacted: _____

7. Contamination suspected because of: ☐ Odor ☒ Soil Staining ☐ Free Product ☐ Sheen On Groundwater ☐ Field Instrument Test

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐ Educator Or Diffused Air Blower

Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice

Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☒ Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT**

Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☐ Tank atmosphere monitored for flammable or combustible vapor levels.

Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

H. REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed
PETE SCHUETTE		33067	11/5/92

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
FDID # For Location Where Inspection Performed	**Inspector Telephone Number**	**Date Signed**

APPENDIX D ABOVEGROUND PETROLEUM PRODUCT TANK INVENTORY SHEETS

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

DIETZ 11/13/92

ABOVEGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

This form must be completed pursuant to s. 101.142, Wis. Stats., to register an above ground petroleum product storage system. An aboveground petroleum product storage system is an **aboveground** tank, used to store petroleum products, together with an on-site integral piping or dispensing system. **Not** included are pipeline facilities, tanks of 110 gallons or less capacity, farm and residential tanks of 1,100 gallons or less capacity, tanks used for storing heating oil for consumptive use on the premises where stored or tanks owned by the state or federal government. **A separate form is needed for each tank. Send each completed form to the address in the top right corner.**

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Out of Service With Product
3. ☐ Out of Service With No Product (Empty)
4. ☒ Closed - Tank Removed
5. ☐ Closed - Tank Cleaned
6. ☐ Changed Ownership (Indicate new owner in section A. 3. below)

Fire Department Providing Fire Coverage Where Tank Is Located:
☐ City ☐ Village ☐ Town of: US FOREST SERVICE

A. IDENTIFICATION (Please Print)

1. Tank Site Name: US FOREST SERVICE STATION
Site Address:
Site Telephone Number: (715)362-1378
☐ City ☒ Village ☐ Town of: LONG LAKE
State: WI
Zip Code: 54542
County: FLORENCE

2. Owner Name (mail sent here unless indicated otherwise in #3): US FOREST SERVICE
Owner Mailing Address (mail sent here unless indicated otherwise in #3): P.O. Box 1336
☒ City ☐ Village ☐ Town of: RHINELANDER
State: WI
Zip Code: 54501
County: ONEIDA

3. Alternate Mailing Name If Different Than #2:
Alternate Mailing Street Address If Different Than #2:
☐ City ☐ Village ☐ Town of:
State:
Zip Code:
County:

4. Tank Age (date installed, if new; years old, if used): Unknown
5. Tank Capacity (gal.): 250
6. Tank Manufacturer's Name (if known):

7. If more than 1 tank is being reported at a facility, provide an 8 1/2 x 11 plot plan drawn to scale (1" = 20 ft.), numbering and indicating the location of the tanks being reported. If a plot plan is being submitted, this form is for tank number:

B. TYPE OF USER (check one):

1. ☐ Gas Station (any resale) 2. ☐ Bulk Storage 3. ☐ Utility 4. ☐ Mercantile / Commercial
5. ☐ Industrial 6. ☒ Government 7. ☐ School 8. ☐ Residential
9. ☐ Agricultural 10. ☐ Other (specify): _____

C. TANK CONSTRUCTION (check one):

1. ☐ Bare Steel 2. ☐ FRP Clad Steel 3. ☐ Steel With Lining 4. ☐ Concrete
5. ☒ Other (specify): coated Steel

Tank is built to: ☐ National Standard _____ or ☐ UL Approval or ☐ Other _____

D. ROOF (Check one):

1. ☐ Fixed Roof 2. ☐ Floating External 3. ☐ Floating Internal 4. ☐ Other _____

E. TANK BASE:

1. ☐ On Ground 2. ☐ On Supports 3. ☐ On Cement 4. ☐ On Liner
5. ☐ Double Bottom 6. ☐ Other _____

F. PIPING:

☒ Aboveground ☐ Underground ☐ Both

Above Ground Piping Construction: ☒ Steel ☐ Other _____

Underground Piping Construction:
1. ☐ Bare Steel 2. ☐ Cathodically Protected and coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 6. ☐ Unknown

G. CONTAINMENT:

Dike Side Material: 1. ☐ Block 2. ☐ Concrete 3. ☐ Earth 4. ☐ Synthetic

Dike Base Material: 1. ☐ Concrete 2. ☐ Engineered Clay - Thickness _____ 3. ☐ Earth 4. ☐ Synthetic- Make & Model #: _____

Remote Impounding? ☐ Yes ☐ No

H. DISTANCE FROM DIKE WALL TO NEAREST: NO DIKE

1. Well _____ Ft. 2. Property Line _____ Ft. 3. Surface Water _____ Ft. 4. Nearest Building On Property _____ Ft.

I. TANK CONTENTS

1. ☐ Diesel 2. ☐ Leaded 3. ☐ Unleaded 4. ☒ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 9. ☐ Unknown
10. ☐ Premix 11. ☐ Waste Oil 13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene 15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Was Removed or Cleaned For Other Use, Give Date (mo/day/yr):	Owner's Signature:	Date Signed:
11/5/92	Thomas Gadzalinski 92	11/13/92

SBD-8731 (R 03/91)

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

DICHE 10/13/92

ABOVEGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

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4. ☒ Closed - Tank Removed
5. ☐ Closed - Tank Cleaned
6. ☐ Changed Ownership (Indicate new owner in section A. 3. below)

Fire Department Providing Fire Coverage Where Tank Is Located:
☐ City ☐ Village ☐ Town of: US FOREST SERVICE

A. IDENTIFICATION (Please Print)

1. Tank Site Name: US FOREST SERVICE STATION
Site Address:
Site Telephone Number: (715) 362-1378
☐ City ☒ Village ☐ Town of: LONG LAKE
State: WI Zip Code: 54542 County: FLORENCE

2. Owner Name (mail sent here unless indicated otherwise in #3): U.S. FOREST SERVICE
Owner Mailing Address (mail sent here unless indicated otherwise in #3): P.O. Box 1336
☒ City ☐ Village ☐ Town of: RHINELANDER
State: WI Zip Code: 54501 County: ONEIDA

3. Alternate Mailing Name If Different Than #2:
Alternate Mailing Street Address If Different Than #2:
☐ City ☐ Village ☐ Town of:
State: Zip Code: County:

4. Tank Age (date installed, if new; years old, if used): UNKNOWN
5. Tank Capacity (gal.): 50
6. Tank Manufacturer's Name (if known):

7. If more than 1 tank is being reported at a facility, provide an 8 1/2 x 11 plot plan drawn to scale (1" = 20 ft.), numbering and indicating the location of the tanks being reported. If a plot plan is being submitted, this form is for tank number:

B. TYPE OF USER (check one):

1. ☐ Gas Station (any resale) 2. ☐ Bulk Storage 3. ☐ Utility 4. ☐ Mercantile / Commercial
5. ☐ Industrial 6. ☒ Government 7. ☐ School 8. ☐ Residential
9. ☐ Agricultural 10. ☐ Other (specify): _____

C. TANK CONSTRUCTION (check one):

1. ☐ Bare Steel 2. ☐ FRP Clad Steel 3. ☐ Steel With Lining 4. ☐ Concrete
5. ☒ Other (specify): Coated Steel

Tank is built to: ☐ National Standard _____ or ☐ UL Approval or ☐ Other _____

D. ROOF (Check one):

1. ☐ Fixed Roof 2. ☐ Floating External 3. ☐ Floating Internal 4. ☐ Other _____

E. TANK BASE:

1. ☐ On Ground 2. ☐ On Supports 3. ☐ On Cement 4. ☐ On Liner
5. ☐ Double Bottom 6. ☐ Other _____

F. PIPING:

☒ Aboveground ☐ Underground ☐ Both

Above Ground Piping Construction: ☒ Steel ☐ Other _____

Underground Piping Construction:
1. ☐ Bare Steel 2. ☐ Cathodically Protected and coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 6. ☐ Unknown

G. CONTAINMENT:

Dike Side Material: 1. ☐ Block 2. ☐ Concrete 3. ☐ Earth 4. ☐ Synthetic

Dike Base Material: 1. ☐ Concrete 2. ☐ Engineered Clay - Thickness _____ 3. ☐ Earth 4. ☐ Synthetic- Make & Model #: _____

Remote Impounding? ☐ Yes ☐ No

H. DISTANCE FROM DIKE WALL TO NEAREST: NO DIKE

1. Well _____ Ft. 2. Property Line _____ Ft. 3. Surface Water _____ Ft. 4. Nearest Building On Property _____ Ft.

I. TANK CONTENTS

1. ☐ Diesel 2. ☐ Leaded 3. ☒ Unleaded 4. ☐ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 9. ☐ Unknown
10. ☐ Premix 11. ☐ Waste Oil 13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene 15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Was Removed or Cleaned For Other Use, Give Date (mo/day/yr):	Owner's Signature:	Date Signed:
11/5/92	Thomas Sadzalinski	11/13/92

SBD-8731 (R 03/91)

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

DCLM 11/13/97

ABOVEGROUND
PETROLEUM PRODUCT
TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

This form must be completed pursuant to s. 101.142, Wis. Stats., to register an above ground petroleum product storage system. An aboveground petroleum product storage system is an aboveground tank, used to store petroleum products, together with an on-site integral piping or dispensing system. **Not** included are pipeline facilities, tanks of 110 gallons or less capacity, farm and residential tanks of 1,100 gallons or less capacity, tanks used for storing heating oil for consumptive use on the premises where stored or tanks owned by the state or federal government. **A separate form is needed for each tank. Send each completed form to the address in the top right corner.**

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Out of Service With Product
3. ☐ Out of Service With No Product (Empty)
4. ☒ Closed - Tank Removed
5. ☐ Closed - Tank Cleaned
6. ☐ Changed Ownership (Indicate new owner in section A. 3. below)

Fire Department Providing Fire Coverage Where Tank Is Located:
☐ City ☐ Village ☐ Town of: US FOREST SERVICE

A. IDENTIFICATION (Please Print)

1. Tank Site Name: US FOREST SERVICE STATION
Site Address:
Site Telephone Number: (715) 362-1378
☐ City ☒ Village ☐ Town of: LONG LAKE
State: WI
Zip Code: 54542
County: FLORENCE

2. Owner Name (mail sent here unless indicated otherwise in #3): US. FOREST SERVICE
Owner Mailing Address (mail sent here unless indicated otherwise in #3): P.O. Box 1336
☒ City ☐ Village ☐ Town of: RHINELANDER
State: WI
Zip Code: 54501
County: ONEIDA

3. Alternate Mailing Name If Different Than #2
Alternate Mailing Street Address If Different Than #2
☐ City ☐ Village ☐ Town of:
State
Zip Code
County

4. Tank Age (date installed, if new; years old, if used): UNKNOWN
5. Tank Capacity (gal.): 550
6. Tank Manufacturer's Name (if known)

7. If more than 1 tank is being reported at a facility, provide an 8 1/2 x 11 plot plan drawn to scale (1" = 20 ft.), numbering and indicating the location of the tanks being reported. If a plot plan is being submitted, this form is for tank number:

B. TYPE OF USER (check one):

1. ☐ Gas Station (any resale)
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile / Commercial
5. ☐ Industrial
6. ☒ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☐ Other (specify):

C. TANK CONSTRUCTION (check one):

1. ☐ Bare Steel
2. ☐ FRP Clad Steel
3. ☐ Steel With Lining
4. ☐ Concrete
5. ☒ Other (specify): COATED STEEL

Tank is built to: ☐ National Standard _____ or ☐ UL Approval or ☐ Other _____

D. ROOF (Check one):

1. ☐ Fixed Roof
2. ☐ Floating External
3. ☐ Floating Internal
4. ☐ Other

E. TANK BASE:

1. ☐ On Ground
2. ☐ On Supports
3. ☐ On Cement
4. ☐ On Liner
5. ☐ Double Bottom
6. ☐ Other

F. PIPING:

☒ Aboveground ☐ Underground ☐ Both

Above Ground Piping Construction: ☒ Steel ☐ Other

Underground Piping Construction:
1. ☐ Bare Steel 2. ☐ Cathodically Protected and coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): 6. ☐ Unknown

G. CONTAINMENT: NO DIKE

Dike Side Material: 1. ☐ Block 2. ☐ Concrete 3. ☐ Earth 4. ☐ Synthetic

Dike Base Material: 1. ☐ Concrete 2. ☐ Engineered Clay - Thickness _____ 3. ☐ Earth 4. ☐ Synthetic- Make & Model #:

Remote Impounding? ☐ Yes ☐ No

H. DISTANCE FROM DIKE WALL TO NEAREST:

1. Well _____ Ft. 2. Property Line _____ Ft. 3. Surface Water _____ Ft. 4. Nearest Building On Property _____ Ft.

I. TANK CONTENTS

1. ☐ Diesel
2. ☐ Leaded
3. ☒ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
13. ☐ Chemical *
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Was Removed or Cleaned For Other Use, Give Date (mo/day/yr):	Owner's Signature:	Date Signed:
11/5/97	Thomas Jodzalewski	11/13/97

SBD-8731 (R 03/91)

Wisconsin Department of Industry, Labor and Human Relations

DLH 11/13/92

For Office Use Only:
Tank ID #

ABOVEGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

This form must be completed pursuant to s. 101.142, Wis. Stats., to register an above ground petroleum product storage system. An aboveground petroleum product storage system is an **aboveground** tank, used to store petroleum products, together with an on-site integral piping or dispensing system. **Not** included are pipeline facilities, tanks of 110 gallons or less capacity, farm and residential tanks of 1,100 gallons or less capacity, tanks used for storing heating oil for consumptive use on the premises where stored or tanks owned by the state or federal government. **A separate form is needed for each tank. Send each completed form to the address in the top right corner.**

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Out of Service With Product
3. ☐ Out of Service With No Product (Empty)
4. ☒ Closed - Tank Removed
5. ☐ Closed - Tank Cleaned
6. ☐ Changed Ownership (Indicate new owner in section A. 3. below)

Fire Department Providing Fire Coverage Where Tank Is Located:
☐ City ☒ Village ☐ Town of: US Forest Service

A. IDENTIFICATION (Please Print)

1. Tank Site Name: U.S. FOREST SERVICE STATION
Site Address:
Site Telephone Number: (715) 362-1378
☐ City ☒ Village ☐ Town of: LONG LAKE
State: WI Zip Code: 54542 County: FLORENCE

2. Owner Name (mail sent here unless indicated otherwise in #3): U.S. FOREST SERVICE
Owner Mailing Address (mail sent here unless indicated otherwise in #3): P.O. Box 1336
☒ City ☐ Village ☐ Town of: RHINELANDER
State: WI Zip Code: 54501 County: ONEIDA

3. Alternate Mailing Name If Different Than #2:
Alternate Mailing Street Address If Different Than #2:
☐ City ☐ Village ☐ Town of:
State: Zip Code: County:

4. Tank Age (date installed, if new; years old, if used): unknown
5. Tank Capacity (gal.): 500
6. Tank Manufacturer's Name (if known):

7. If more than 1 tank is being reported at a facility, provide an 8 1/2 x 11 plot plan drawn to scale (1 " = 20 ft.), numbering and indicating the location of the tanks being reported. If a plot plan is being submitted, this form is for tank number:

B. TYPE OF USER (check one):

1. ☐ Gas Station (any resale) 2. ☐ Bulk Storage 3. ☐ Utility 4. ☐ Mercantile / Commercial
5. ☐ Industrial 6. ☒ Government 7. ☐ School 8. ☐ Residential
9. ☐ Agricultural 10. ☐ Other (specify): _____

C. TANK CONSTRUCTION (check one):

1. ☐ Bare Steel 2. ☐ FRP Clad Steel 3. ☐ Steel With Lining 4. ☐ Concrete
5. ☒ Other (specify): Coated Steel

Tank is built to: ☐ National Standard _____ or ☐ UL Approval or ☐ Other _____

D. ROOF (Check one):

1. ☐ Fixed Roof 2. ☐ Floating External 3. ☐ Floating Internal 4. ☐ Other _____

E. TANK BASE:

1. ☐ On Ground 2. ☐ On Supports 3. ☐ On Cement 4. ☐ On Liner
5. ☐ Double Bottom 6. ☐ Other _____

F. PIPING:

☒ Aboveground ☐ Underground ☐ Both

Above Ground Piping Construction: ☒ Steel ☐ Other _____

Underground Piping Construction:
1. ☒ Bare Steel 2. ☐ Cathodically Protected and coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 6. ☐ Unknown

G. CONTAINMENT:

Dike Side Material: 1. ☐ Block 2. ☐ Concrete 3. ☐ Earth 4. ☐ Synthetic

Dike Base Material: 1. ☐ Concrete 2. ☐ Engineered Clay - Thickness _____ 3. ☐ Earth 4. ☐ Synthetic- Make & Model #: _____

Remote Impounding? ☐ Yes ☐ No

H. DISTANCE FROM DIKE WALL TO NEAREST: No Dike

1. Well _____ Ft. 2. Property Line _____ Ft. 3. Surface Water _____ Ft. 4. Nearest Building On Property _____ Ft.

I. TANK CONTENTS

1. ☐ Diesel 2. ☐ Leaded 3. ☒ Unleaded 4. ☐ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 9. ☐ Unknown
10. ☐ Premix 11. ☐ Waste Oil 13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene 15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Was Removed or Cleaned For Other Use, Give Date (mo/day/yr):	Owner's Signature:	Date Signed:
11/5/92	Thomas Sadzalinski	11/13/92

SBD-8731 (R. 03/91)

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

D LH 11/13/97

ABOVEGROUND
PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

This form must be completed pursuant to s. 101.142, Wis. Stats., to register an above ground petroleum product storage system. An aboveground petroleum product storage system is an aboveground tank, used to store petroleum products, together with an on-site integral piping or dispensing system. **Not** included are pipeline facilities, tanks of 110 gallons or less capacity, farm and residential tanks of 1,100 gallons or less capacity, tanks used for storing heating oil for consumptive use on the premises where stored or tanks owned by the state or federal government. **A separate form is needed for each tank. Send each completed form to the address in the top right corner.**

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Out of Service With Product
3. ☐ Out of Service With No Product (Empty)
4. ☒ Closed - Tank Removed
5. ☐ Closed - Tank Cleaned
6. ☐ Changed Ownership (Indicate new owner in section A. 3. below)

Fire Department Providing Fire Coverage Where Tank Is Located:
☐ City ☐ Village ☐ Town of: US FOREST SERVICE

A. IDENTIFICATION (Please Print)

1. Tank Site Name: US FOREST SERVICE STATION | Site Address: | Site Telephone Number: (715) 362-1378
☐ City ☒ Village ☐ Town of: LONG LAKE | State: WI | Zip Code: 54542 | County: FLORENCE

2. Owner Name (mail sent here unless indicated otherwise in #3): US FOREST SERVICE | Owner Mailing Address (mail sent here unless indicated otherwise in #3): P.O. Box 1336
☒ City ☐ Village ☐ Town of: RHINELANDER | State: WI | Zip Code: 54501 | County: ONEIDA

3. Alternate Mailing Name If Different Than #2 | Alternate Mailing Street Address If Different Than #2
☐ City ☐ Village ☐ Town of: | State | Zip Code | County

4. Tank Age (date installed, if new; years old, if used): UNKNOWN | 5. Tank Capacity (gal.): 250 | 6. Tank Manufacturer's Name (if known)

7. If more than 1 tank is being reported at a facility, provide an 8 1/2 x 11 plot plan drawn to scale (1" = 20 ft.), numbering and indicating the location of the tanks being reported. If a plot plan is being submitted, this form is for tank number:

B. TYPE OF USER (check one):

1. ☐ Gas Station (any resale) 2. ☐ Bulk Storage 3. ☐ Utility 4. ☐ Mercantile / Commercial
5. ☐ Industrial 6. ☒ Government 7. ☐ School 8. ☐ Residential
9. ☐ Agricultural 10. ☐ Other (specify): _____

C. TANK CONSTRUCTION (check one):

1. ☐ Bare Steel 2. ☐ FRP Clad Steel 3. ☐ Steel With Lining 4. ☐ Concrete
5. ☒ Other (specify): Coated Steel

Tank is built to: ☐ National Standard _____ or ☐ UL Approval or ☐ Other _____

D. ROOF (Check one):

1. ☐ Fixed Roof 2. ☐ Floating External 3. ☐ Floating Internal 4. ☐ Other _____

E. TANK BASE:

1. ☐ On Ground 2. ☐ On Supports 3. ☐ On Cement 4. ☐ On Liner
5. ☐ Double Bottom 6. ☐ Other _____

F. PIPING:

☒ Aboveground ☐ Underground ☐ Both

Above Ground Piping Construction: ☒ Steel ☐ Other _____

Underground Piping Construction:
1. ☐ Bare Steel 2. ☐ Cathodically Protected and coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 6. ☐ Unknown

G. CONTAINMENT:

Dike Side Material: 1. ☐ Block 2. ☐ Concrete 3. ☐ Earth 4. ☐ Synthetic

Dike Base Material: 1. ☐ Concrete 2. ☐ Engineered Clay - Thickness _____ 3. ☐ Earth 4. ☐ Synthetic- Make & Model #: _____

Remote Impounding? ☐ Yes ☐ No

H. DISTANCE FROM DIKE WALL TO NEAREST: NO DIKE

1. Well _____ Ft. 2. Property Line _____ Ft. 3. Surface Water _____ Ft. 4. Nearest Building On Property _____ Ft.

I. TANK CONTENTS

1. ☐ Diesel 2. ☐ Leaded 3. ☐ Unleaded 4. ☒ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 9. ☐ Unknown
10. ☐ Premix 11. ☐ Waste Oil 13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene 15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Was Removed or Cleaned For Other Use, Give Date (mo/day/yr):	Owner's Signature:	Date Signed:
11/5/97	Thomas Sadyalinski 97	11/13/97

SBD-8731 (R 03/91)

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

DLH 11/13/92

ABOVEGROUND
PETROLEUM PRODUCT
TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

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This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Out of Service With Product
3. ☐ Out of Service With No Product (Empty)
4. ☒ Closed - Tank Removed
5. ☐ Closed - Tank Cleaned
6. ☐ Changed Ownership (Indicate new owner in section A. 3. below)

Fire Department Providing Fire Coverage Where Tank Is Located:
☐ City ☐ Village ☐ Town of: US FOREST SERVICE

A. IDENTIFICATION (Please Print)

1. Tank Site Name: U.S. FOREST SERVICE STATION
Site Address:
Site Telephone Number: (715) 362-1378
☐ City ☒ Village ☐ Town of: LONG LAKE
State: WI Zip Code: 54542 County: FLORENCE

2. Owner Name (mail sent here unless indicated otherwise in #3): US FOREST SERVICE
Owner Mailing Address (mail sent here unless indicated otherwise in #3): P.O. BOX 1336
☐ City ☐ Village ☐ Town of: RHINELANDER
State: WI Zip Code: 54501 County: ONEIDA

3. Alternate Mailing Name If Different Than #2:
Alternate Mailing Street Address If Different Than #2:
☐ City ☐ Village ☐ Town of:
State: Zip Code: County:

4. Tank Age (date installed, if new; years old, if used): Unknown
5. Tank Capacity (gal.): 100
6. Tank Manufacturer's Name (if known):

7. If more than 1 tank is being reported at a facility, provide an 8 1/2 x 11 plot plan drawn to scale (1" = 20 ft.), numbering and indicating the location of the tanks being reported. If a plot plan is being submitted, this form is for tank number:

B. TYPE OF USER (check one):

1. ☐ Gas Station (any resale) 2. ☐ Bulk Storage 3. ☐ Utility 4. ☐ Mercantile / Commercial
5. ☐ Industrial 6. ☒ Government 7. ☐ School 8. ☐ Residential
9. ☐ Agricultural 10. ☐ Other (specify): _____

C. TANK CONSTRUCTION (check one):

1. ☐ Bare Steel 2. ☐ FRP Clad Steel 3. ☐ Steel With Lining 4. ☐ Concrete
5. ☒ Other (specify): Coated Steel

Tank is built to: ☐ National Standard _____ or ☐ UL Approval or ☐ Other _____

D. ROOF (Check one):

1. ☐ Fixed Roof 2. ☐ Floating External 3. ☐ Floating Internal 4. ☐ Other _____

E. TANK BASE:

1. ☐ On Ground 2. ☐ On Supports 3. ☐ On Cement 4. ☐ On Liner
5. ☐ Double Bottom 6. ☐ Other _____

F. PIPING:

☒ Aboveground ☐ Underground ☐ Both

Above Ground Piping Construction: ☒ Steel ☐ Other _____

Underground Piping Construction:
1. ☒ Bare Steel 2. ☐ Cathodically Protected and coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 6. ☐ Unknown

G. CONTAINMENT: No Dike

Dike Side Material: 1. ☐ Block 2. ☐ Concrete 3. ☐ Earth 4. ☐ Synthetic

Dike Base Material: 1. ☐ Concrete 2. ☐ Engineered Clay - Thickness _____ 3. ☐ Earth 4. ☐ Synthetic- Make & Model #: _____

Remote Impounding? ☐ Yes ☐ No

H. DISTANCE FROM DIKE WALL TO NEAREST:

1. Well _____ Ft. 2. Property Line _____ Ft. 3. Surface Water _____ Ft. 4. Nearest Building On Property _____ Ft.

I. TANK CONTENTS

1. ☐ Diesel 2. ☐ Leaded 3. ☐ Unleaded 4. ☒ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 9. ☐ Unknown
10. ☐ Premix 11. ☐ Waste Oil 13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene 15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Was Removed or Cleaned For Other Use, Give Date (mo/day/yr):	Owner's Signature:	Date Signed:
11/5/92	Thomas Sadyalinski 92	11/13/92

SBD-8731 (R 03/91)

APPENDIX E TREAT AND DISPOSE FORM

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL
ASPHALT PLANT OR OTHER TYPE OF THERMAL TREATMENT UNIT

Form 4400-149

This form is required by the Department of Natural Resources for leaking underground storage tank sites to ensure that petroleum contaminated soil is treated or disposed of in compliance with NR 500-540, NR 158, and NR 419, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules may lead to violations of subchapters III and IV of ch. 144 Wis. Stats. and may result in forfeitures of not less than $10 or more than $25,000 for each violation, pursuant to ss. 144.426(1), 144.74 (1), and 144.99, Wis. Stats., or fines of not less than $100 or more than $150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74 (2), Wis. Stats. Each day of a continuing violation constitutes a separate violation. Department approval of this form is required prior to site remediation, except for soils to be buried in landfills.

DIRECTIONS: 1) Complete parts I and II. 2) Submit the application to the DNR project manager for approval. 3) Have the treatment facility complete part III of the approved form after the soil has been treated. 4) Return the ORIGINAL form to the DNR project manager. 5) Keep a copy for your files.

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: US FORESTRY SERVICE

Site I.D. # (for DNR use only):

Site Address:

Contact Name: Thomas Gadzelinski

City, State, Zip Code: LONG LAKE, WI 54542

1/4, 1/4, Section, Township, and Range:

The information on this form is accurate to the best of my knowledge.

Signature of Soil Generator: Thomas Gadzelinski

Telephone Number (include area code): (715) 362-1378

Consulting Firm: Northwest Petroleum Service / Perry Schuette

Contact:

Telephone Number: 715-675-2089

Estimated Volume Contaminated Soil: 30 Tons/cubic yards (circle one)

Soil Type (USCS)
- ± sand (SP, SW)
- ___ silty/clayey sands (SM, SC)
- ___ silt (ML, MH, OL)
- ___ clay (Cl, CH, OH)
- ___ gravel (GC, GM, GP, GW)
- ___ peat (PT)

Type of Petroleum Contamination (Circle):

Gasoline (Diesel Fuel/#2 Fuel Oil)

Other _____

Distance to Nearest Residence/Business 500'

Contaminant concentration:

One screened sample for each 15 yds³ and one laboratory analysis for each 300 yds³ of contaminated soil when the field instrument *registers contamination* OR one laboratory analysis for each 100 yds³ when the field instrument *does not register contamination* on soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE LISTING RESULTS OF BOTH FIELD SCREENING AND LAB ANALYSES, AND INCLUDE SUPPORTING LAB REPORTS, IN ADDITION TO THE TPH AND BENZENE INFORMATION REQUESTED BELOW. NOTE: DILHR requires a minimum of 3 laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) _____ lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) _____ lbs

Total TPH as _____

ATTACH EMISSIONS CALCULATIONS

(a/1,000,000) x (2,800 lbs/yd^3) x b = benzene emission in lbs., where a = benzene concentration of soil sample in ppm or mg/kg dry weight basis, and b = amount of contaminated soil in yds^3. NOTE: This calculation can also be used to estimate TPH emissions by substituting TPH concentration (ppm or mg/kg) for "a". It may also be used to calculate VOCs.

Part II: Proposed Treatment Facility

Name of Plant Pitlik + Wick Inc

Plant number and Model Barber Greene DM5 / Hot Plant 2

Contact Craig Smith

DNR Facility I.D. No. 764121160

Address Woodruff, WI
(or location of portable plant)

Distance to Nearest Residence/Business Over 1000'

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence:

Air Management _____ Date _____

Project Manager _____ Date _____

Comments:

THIS SECTION TO BE COMPLETED BY THE ASPHALT/THERMAL UNIT PROCESSING THE CONTAMINATED SOIL
AFTER PROCESSING IS COMPLETED

Part III

WDNR Air Pollution Control Permit Number

Actual Volume of Soil Treated (tons/cubic yards)

Date of transport to plant

Date of treatment

Transporter Name

Transporter License Number

Circle One: Roasted and Incorporated Roasted Only

Total Benzene emissions in pounds for this batch (apply 50% destruction factor if no after burner is used)

Benzene emissions to date for this plant (including this batch) for this calendar year

Signature of Treatment plant representative

Telephone Number at Plant

POST BURN SAMPLE RESULTS: COMPLETE ONLY FOR SOILS NOT INCORPORATED!

(One representative sample for each 100 cubic yards-not composites)

Sample Number _____ _____ _____ _____

TPH _____ _____ _____ _____

DNR APPROVAL IS REQUIRED BEFORE USING AS COMMON FILL

Date of backfilling or use as common fill

Location of fill site ____1/4____1/4____S____T____R

APPENDIX F PHOTOGRAPHS

Photo #1 - (Tank A) 550 Gal. Diesel Tank
Photo #2 - (Tank A) 550 Gal. Diesel Tank Stand
Photo #3 - (Tank A) 550 Gal Diesel Tank Site Before Excavation
Photo #4 - (Tank B & C) 550 Gal. Gas & 100 Gal. Gas
Photo #5 - (Tank D) 50 Gal Unleaded Gas


PETROLEUM TANK REMOVAL SERVICE
TOWMASTER
#1

500 Diesel

#2


#3

before excavating

of tank A


#4

500 gms

100 gms


#5

50

United States Department of Agriculture | Forest Service | Nicolet National Forest | Federal Building
68 S. Stevens St.
Rhinelander, WI 54501
715-362-1300

Reply to: 6700

November 19, 1992

Ms. Wava Kay Quandt
Environmental Specialist
Department of Natural Resources
1125 North Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448

Dear Ms. Quandt:

This letter is in response to your request for information regarding the contaminated soil areas discussed with Paula Ernst on October 26, 1992.

For the Long Lake Guard Station site (ERRP Case #19-00394), the Forest Service will serve as the consultant. We presently have a contract out to remove the aboveground tank and the contaminated soil. The contamination from the tank is diesel fuel. Our contractor removed the tank and excavated all of the contaminated soil on November 5, 1992. This will be confirmed by samples taken at the bottom of the excavation. Contaminated soil has been sampled and properly stored (on plastic and covered with plastic) at the site. After sample results are received, the soil will be disposed of at an asphalt plant. I have enclosed the technical specifications from the contract for additional information.

For the Old Florence Ranger Station site (ERRP Case #19-00393), the Forest Service will proceed as follows. The Lake States National Forests (Wisconsin, Michigan, & Minnesota) are currently in the process of selecting an environmental consulting firm to contract with for indefinite project needs that will occur during the next five years. This selection process will be completed in January 1993. The Nicolet National Forest proposes to submit a work order to the selected consultant for investigation and remediation of this site next summer.

We will keep you updated as progress continues. If you have questions, feel free to contact Paula Ernst at (715) 362-1378.

Sincerely,

Wm Kent Armentrout

for MICHAEL HATHAWAY
Forest Supervisor

cc: Wm. Kent Armentrout
Jim Marcell
Paula Ernst
Gary Carr, Florence District Ranger

SPECIFICATIONS
ABOVE GROUND FUEL TANK REMOVAL
LONG LAKE GUARD STATION
NICOLET NATIONAL FOREST

The Contractor shall provide all labor, equipment, materials, and incidentals necessary to clean, remove and dispose of four above ground fuel tanks. A minor amount of leakage has occurred near the dispensing end of the diesel tank. The contractor shall be responsible to clean up the comtaminated soil in accordance with the remedial services noted. The contractor shall also be responsible to pay for and accomplish any clean-up or repair of spills or damages that are a direct result of his and/or his subcontractors operations.

Following is a description of the tanks to be removed from the Long Lake Site:

One 560 gallon diesel fuel tank. Tank is blue and located on the west side of the Long Lake compound atop a 9 foot by 8'6" wooden platform. The platform will have to be moved to facilitate excavation of the contaminated soil.

One 50 gallon regular gas tank. Tank is red and located north of the guard station. Currently, this tank is strapped to a small wooden cradle that elevates it approximately 20 inches above the ground.

One 100 gallon tank. Tank is rusty and located behind the C & M Warehouse (NW corner). The tank is free of attachments and lying on the ground alongside the 500 gallon leaded gasoline tank. Contents of this tank (if any) are unknown.

One 500 gallon leaded gasoline tank. Tank is red and located behind the C & M Warehouse (NW corner). The tank has a hand pump attached but isn't operational.

Two 250 gallon fuel oil tanks. Tanks are located on the northwest corner of the Guard Station near an old trailer.

PRIOR TO REMOVAL, THE CONTRACTOR SHALL:

1. Remove and dispose of the contents of the tanks, including sludge if present.

2. Render the tanks vapor free by filling them with an inert gas such as nitrogen or carbon dioxide.

3.* Arrange for disposal of contaminated soil at a certified asphalt plant. Contractor is to get Wisconsin Department of Natural Resources (WDNR) approval via Form 4400-120 and assure that the asphalt plant files a Form 4400-120T with the WDNR.

4. Arrange for the disposal of wastewater at a municipal wastewater treatment plant in accordance with Chapters 144 and 147 of the Wisconsin Statutes.

5.* As needed, provide impermeable surface and cover material for temporary, on-site storage of excavated contaminated soil.

6. Arrange for the disposal of tank sludge (if present) in accordance with Chapter 144, Wisconsin Statutes.

* Only required in the area of the diesel fuel tank.

DURING REMOVAL, THE CONTRACTOR SHALL:

1. Remove all connecting lines, vents, and tanks.

   - Piping that is to remain in place shall be capped or plugged.

2.* Inspect the excavated area and distribution runs with a photoionization meter to monitor required soil removal and sampling.

3.* If contaminated soil is present:

   A. Provide soil sample analysis (BTEX & TPH analysis):
      1. At points where strong odors or soil discoloration indicates the presence of contamination.

      2. At the dispensing of the in-place diesel tank (1-3 feet below the ground surface).

   B. Provide water sample analysis (VOC Analysis).

   C. Excavate and dispose of contaminated soil.

   D. File a preliminary site investigation report with the WDNR (copy to COR) addressing the degree and extent of contamination and providing recommendations for necessary additional field work to design and implement remedial action.

*Only required in the area of the diesel fuel tank.

DURING DISPOSAL, THE CONTRACTOR SHALL:

1. Plug or cap the openings in the tanks prior to transport. Only provide a 1/8" vent hole during transit.

2. Dispose of the tanks, tank hoses, tank hand pumps and other appurtenances in a suitable manner.

3. Provide the COR with a receipt for the scrapped tanks (tanks shall become the property of the Contractor).

4/ File tank inventory forms, SBD 7437, documenting all tank closure to:

SAFETY AND BUILDINGS DIVISION
P. O. Box 7969
Madison, WI 53707

- Provide copy of SBD 7437 to COR.

5. Submit copies of completed forms 4400-120 and 4400-120T to the COR.

6. Submit documentation to the COR that substantiates the proper disposal of contaminated wastewater and sludge.

THE GOVERNMENT SHALL:

1. Notify the local Fire Chief 30 days in advance of the removal of the tanks.

2. Backfill the site once the contaminated materials (if found) are removed to the satisfaction of the WDNR.

3. Be responsible for topsoiling, seeding and mulching the disturbed areas.

4. Test the products in the diesel tank, prior to contracting, to assure it is non-hazardous; thereby, allowing its disposal as highlighted.

5. Contract, and/or negotiate with the existing contractor, for additional remedial work (if required).

6. Provide the necessary containment of the excavated area from initial excavation until backfill completion.

NOTE: The WDNR contact for these tank removals; ie, the person to whom the contractor is to forward all documents is:

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES
North Central District
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Attention: Deborah S. Pingel

11/23/92
called to name
info sent to
me at end
-WG

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: November 2, 1992

TO: ERRP Files: 19-00393 \ Old Florence Ranger Station
19-00394 \ Long Lake Guard Station

FROM: Wava Quandt WKQ

SUBJECT: Telephone Conversation

Paula Ernst from the Nicolet National Forest called regarding the RP letters sent for the above ERRP sites.

1. 10\45 day timelines - I advised Paula that these are guidelines, and as long as I get some type of update, those can be waived. They have retained Northwest Petroleum for the Guard Station diesel fuel spill site, and are working on retaining a consultant for the other site in conjunction with sites in all Great Lake area parks.

2. I also told Paula that they may proceed in the LLGS case without submitting a workplan for prior DNR approval. They intend to excavate, using PID readings, then submitting lab samples from sides and bottom. This work should begin this, or next week.

3. In the OFRS case, the park service wants to contract with an environmental consultant who will work on all of the Great Lakes Parks properties. This may take up to 3 more weeks. I advised Paula that I would wave the 10 time limit, as long as she keeps us informed of the progress in the sites. This case is expected to take more time since they do not know all of the possible contaminants present.

Since Paula has spoken to Annette Weissbach about the case in the past, she may contact her for analytical and technical guidance.

WISCONSIN
DEPT. OF NATURAL RESOURCES
Carroll D. Besadny
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
TELEPHONE: (414)492-5921
TELEFAX: (414)492-5859

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

October 27, 1992

COPY

Nicolet National Forest
Ms. Paula Ernst, Forester
68 S. Stevens
Rhinelander, WI 54501

RE: ERRP Case #19-00394; Long Lake Guard Station.

Dear Ms. Ernst:

The Wisconsin Department of Natural Resources (WDNR) has been notified that a potential for soil and/or groundwater contamination was discovered at the above-referenced facility. The release is believed to be diesel fuel that was spilled periodically over time, or from an aboveground storage tank overfill.

On October 26, you had a telephone conversation with Annette Weissbach of our District staff regarding this and the site at the Old Florence Ranger Station. She has provided me with some answers to your questions. Site assessments and "closures" of above ground storage tanks do not have any specific requirements from the Department of Industry, Labor and Human Relations. However, the WDNR, upon notification that a discharge has occurred, does require that the samples be collected by a qualified person. Enclosed for your information is a copy of the Sampling Qualifications for underground storage tank closures. This applies to above ground tanks as well. Also, as you requested, enclosed is a list of approved Asphalt Plants, Soil Sampling Requirements for site investigations and excavations, and a list of TCLP Regulatory Action Levels.

This case has been currently ranked as an **UNKNOWN** priority. The purpose of this letter is to inform you of your legal responsibilities to address this situation.

The WDNR proceeds in contamination cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substances" encompasses any waste of a solid, semisolid, liquid, or gaseous form that can cause harm to the environment or human health.

> Wisconsin Statute 144.76(2)(a) states: "A person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempt under sub. (9)."
>
> Wisconsin Statute 144.76(3) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state."

Because you possess or control a hazardous substance that has been released to the environment, the Department identifies you as a party responsible for taking the actions necessary to restore the environment. As the responsible party:

1. You will need to hire a qualified environmental, hydrogeologic, or engineering consultant to conduct a remedial investigation of soil and groundwater. A document titled "Selecting an Environmental Consultant" and a Consultant Listing is

enclosed for your convenience. Regardless of the priority designation, you are required to proceed with the investigation and clean-up effort.

2. **Within 10 days of receipt of this notice, please provide me with a letter containing the name of the consultant you have retained. The consultant that you hire will have 45 days to submit a workplan. Your consultant should send a map of the site location (legal description), the date the investigation will begin, and immediately identify all drinking water wells within 1200 feet of the site.**

3. The Department must be notified of any additional information you possess that can aid in determining a priority for this site. The general information the Department requires from you to prioritize cases includes: a description of any documented groundwater or surface water contamination, the site status and years of operation, and any investigation or remediation efforts that have occurred at this site.

4. Upon completion of the investigation, a remedial action(s) necessary to clean up contaminated soil and groundwater will be chosen and implemented. You must dispose of or treat all products, soils, wastewater, or sludges in compliance with all applicable federal, state, and local laws and regulations.

Due to the Department's workload, it is necessary to prioritize all contamination cases. The system that is being utilized at this time follows this format:

a. Case identification
b. Priority rank (High, Low, and Unknown)
c. Responsible party notification letter
d. Prescore cases (for potential threat to public health, safety, welfare, and the environment)
e. Responsible party hires a consultant...investigation phase begins
f. Remedial design and remedy selection phase (review of design by DNR if high priority)
g. Remedial action
h. Long term monitoring/maintenance...if necessary
i. Close out...this step can only be attained once all remediation is complete and there is no further contamination of soils, groundwater, surface water and air. It is necessary that sampling show no detection exceeding those laws that are applicable to the situation.

High priority sites have assigned WDNR Project Managers who are actively reviewing and approving investigation and remediation plans. Low priority cases do not always have assigned project managers; however, responsible parties are required to proceed with investigation and clean-up efforts.

Unknown cases are those cases which do not have adequate information to rank. These cases are treated as a HIGH until information is obtained to assign a priority. I will answer any questions that you may have on this case, **however, I am not a project manager for this case**.

If you consider any previous investigation and/or clean-up effort to be sufficiently complete you must provide a detailed report with analytical documentation justifying your position. The Department will make a final determination if close-out of this case can be considered.

Your cooperation in this matter will be appreciated. If you have any question in regard to the contents of this letter, please call me at the number located on the letterhead.

Sincerely,

Wava Kay Quandt
Environmental Specialist
Emergency & Remedial Response Program

Enc: Site Investigation Checklist
Selection Criteria
Consultant List

cc: Annette Weissbach - LMD

P 884 366 526

Certified Mail Receipt

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse) W. Quandt

UNITED STATES POSTAL SERVICE

Sent to Paula Ernst	
Street & No. 68 S. Stevens	
P.O., State & ZIP Code Rhinelander, WI 54501	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	$
Postmark or Date ERRP Case #19-00394 #19-00393	

PS Form 3800, June 1990

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES (see front).

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier (no extra charge).

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to the back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make inquiry.

☆U.S.G.P.O. 1990-270-153

PS Form **3800**, June 1990 *(Reverse)*

UNITED STATES POSTAL SERVICE

Official Business

WAUSAU, WI
OCT 30
1992
544

U.S. MAIL

PENALTY FOR PRIVATE
USE, $300

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W. Quandt

Print your name, address and ZIP Code here

• RESOURCES •

MICHIGAN DISTRICT HEADQUARTERS
1125 NORTH MILITARY AVENUE
P. O. BOX 10448
GREEN BAY, WI 54307-0448

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Nicolet National Forest
Paula Ernst
68 S. Stevens
Rhinelander, WI 54501
ERRP Case #19-00394 #19-00393

4a. Article Number
P 884 366 526

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
10/29/92

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)
M. Royley

PS Form **3811**, November 1990 ★U.S. GPO: 1991—287-088 **DOMESTIC RETURN RECEIPT**

State of Wisconsin
Department of Natural Resources

TOXIC AND HAZARDOUS SPILL REPORT

Form 4400-91 Rev. 6-86

State Div. Emergency Gov't.	(608) 266-3232
U.S. Nat'l. Response Center	(800) 424-8802
Chemtrec/Pesticides/Chlorine	(800) 424-9300

Spill ID Number

___ ___ ___ ___ ___ ___ ___
Y Y M M D D 0-99

Date of Incident	Day of Week	Time of Incident ☐ A.M. ☐ P.M.	Reported By (Name): Paula Ernst	Telephone Number: (715) 362-1300
Date Reported: 10/26/92	Day of Week: Mon	Time Reported: 3:20 ☐ A.M. ☒ P.M.	Agency or Firm Reporting: [illegible] ↑	Reported thru Div. Emergen. Gov't. ☐ Yes ☒ No
Substance Involved: Diesel fuel	Quantity: Unk	Units: –	Person or Firm Responsible: Nicolet National Forest	
Substance Involved	Quantity	Units	Contact Name: Paula Ernst	Telephone Number: 715/362-1300

Physical Characteristics

☐ Solid ☒ Liquid Color ________
☐ Semisolid ☐ Gas Odor ________

Cause of Incident: overfill / AST

Exact Location Description (intersection, mileage, etc.): Long Lake Guard Station

County Location: 19 - Florence

¼¼, ¼, Section, Town, Range: ___, ___, ___, T___N, R___

DNR Dist: LMD DNR Area:

Groundwaters Affected ☐ Yes ☒ No ☐ Potential

Surface Waters Affected ☐ Yes ☒ No ☐ Potential

Name of Surface Water:

Date District Notified	Day of Week	Time District Notified ☐ A.M. ☐ P.M.
District Person Notified		Telephone Number ( )
Date Investigated	Day of Week	Time Investigated ☐ A.M. ☐ P.M.
Person Investigating		Telephone Number ( )

Address — Street or Route: 68 S. Stevens

City, State, Zip Code: Rhinelander WI 54501

Action Taken By Spiller

☐ No Action Taken ☐ No Notification ☐ Investigate
☐ Containment; Type ________
☒ Cleanup; Method Soil Excavation
☐ Amount Recovered ________
☐ Monitor ________
☐ Contractor Hired; Name ________
☐ Other Action ________

Spill Location

☐ Industrial Facility/Paper Mill/Chem. Co.
☐ Gas/Service Station/Garage, Auto Dealer, Repair Shop
☐ Ag Coop/Facility/Cheese Factory/Creamery
☐ Other Small Business (bank, grocery, insurance co., etc.)
☐ Public Property (city, county, state, church, school, etc.)
☐ Utility Co., Power Generating/Transfer Facility
☐ Private Property (home/farm)
☐ Pipeline, Terminal, Tank Farm, Oil Jobber/Wholesaler
☐ Transportation Accident, Fuel Supply Tank Spill
☐ Transportation Accident, Load Spill
☐ Construction, Excavation, Wrecking, Quarry, Mine
☐ Other ________

Action Taken By DNR

☐ No Action Taken ☐ Investigation ☐ Supervise/Conduct Cleanup
☒ Spiller Required To Take Action; Type Inv/Rem
☐ Contractor Hired By DNR; Name ________
☐ Amount Recovered ________
☐ 29.29 Enforcement

Spilled Substance Destination

☐ Air
☒ Soil
☐ Groundwater
☐ Surface Water
☐ Storm Sewer
☐ Sanitary Sewer
☐ Contained/Recovered
☐ Other ________

Other Agencies on Scene

Local ________
State ________
Federal ________

Person Filing This Report (print name): Dava L. Quandt

Signature: Dava L Quandt Date Signed: 10/26/92

Additional Comments:
6 AST'S on site - overfill/spill over time at Diesel tank.
Located at Nicolet Forest
Lab samples ind. [illegible] analyzed for Pb

AREA