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UST Closure Site Assessment Information

Ness Service Center
Green Bay, Wisconsin

December 22, 1994

Northern Environmental℠
Hydrologists • Engineers • Geologists

954 Circle Drive
Green Bay, WI 54304
Fax 1-414-592-8444
1-414-592-8400

December 22, 1994
(USP320141)

Mr. Jay Grosskopf
U.S. Petroleum Equipment
558 Carter Court
Kimberly, Wisconsin 54136

Re: UST Closure Site Assessment Information for Ness Service Center, 975 West Mason Street, Green Bay, Wisconsin, 54303

Dear Mr. Grosskopf:

Northern Environmental collected samples as part of an Underground Storage Tank (UST) Closure Assessment on November 8, 1994 and November 14, 1994 for U.S. Petroleum Equipment and Environmental Services (USP) for a UST system removed from Ness Service Center, 975 West Mason Street, Green Bay, Wisconsin. The site will be referred to as "the Property" in the remainder of this letter. The site location is shown in Figure 1. The closure assessment conforms with Wisconsin Department of Industry, Labor, and Human Relations (WDILHR) and Wisconsin Department of Natural Resources (WDNR) requirements.

All recipients of this letter and report are included in Attachment A. Parties involved in the removal are listed in Attachment B. Specific site information is listed in Attachment C. Information specific to the UST closure is included in Attachment D. Copies of the updated Underground Petroleum Product Tank Inventory Form and the Checklist for Underground Tank Closure Form which were sent to the WDILHR are included in Attachment E. Information about the removed UST system is included in Table 1.

The UST system consisted of three gasoline USTs, one diesel fuel UST, and six petroleum dispensers situated on two dispenser islands. One gasoline UST, the six petroleum dispensers, and all of the product piping was removed during the weeks of November 7 and November 14, 1994, resulting in the need for this site assessment. The UST system layout and the location of soil sampling points are shown in Figure 2.

Soil samples were collected during UST closure in accordance with WDNR Guidance. A sample from each location was subjected to field screening. Field screening detected released petroleum in the soils at the site, therefore only two soil samples were laboratory analyzed to confirm the release. Laboratory analysis detected petroleum concentrations in the soil as high as 13,000 parts per million (ppm) gasoline range organics (GRO). The results of field screening and laboratory analysis are included in Table 2. Copies of laboratory reports and chain-of-custody forms are included in Attachment F. Field screening and laboratory analysis preparation methods are included in Attachment G. Current WDNR standards define soil containing more than 10 ppm petroleum as sufficient grounds to require a site investigation.

Based on the information collected during the UST closure assessment, a petroleum release is believed to have occurred at the site. At the request of Greg Ness, Northern Environmental reported the release to the WDNR on November 8, 1994.

The Property has been considered an active leaking underground storage tank (LUST) site on the WDNR tracking system since March 1984. The Property has a LUST ID#05-00017. Copies of the Authorization to Report a Release signed by the property owner, the Notification of Petroleum Contamination that was faxed to the WDNR by Northern Environmental , and a letter from the WDNR to the property owner acknowledging the release, are included in Attachment H.

Wisconsin Spill Law requires that "The discharger shall immediately initiate actions necessary to halt the discharge and to restore the environment to the extent practicable and shall minimize the harmful effects from any discharge to the air, land, or waters of the state. These actions may include, but are not limited to, containment, cleanup, storage, transportation, disposal, restoration, or replacement of plants and wildlife and testing of the affected area. The discharger shall keep the department informed and shall secure necessary written approvals from the department for specific actions when such approvals are required by law". Basically, the Wisconsin Spill Law requires that the owner or operator of the facility report the release to the WDNR and that the owner initiate a clean-up action.

Pursuant to the Wisconsin Spill Law, soil samples have been taken to confirm the release, and potential release sources have been removed.

Northern Environmental recommends that an investigation be performed at the site to determine the extent of the contamination, and to gather the information necessary to evaluate remedial options.

We trust this information meets your needs. Please feel free to contact us if you have any questions.

Sincerely,

Northern Environmental Technologies, Incorporated

Karen R. Schumacher
Environmental Engineer II

Joseph E. Mentzer, E.I.T.
Project Manager

Chris L. Shineldecker, C.P.G.
Director of Operations

KRS/jss
Attachments

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REFERENCES

Wisconsin Department of Industry, Labor, and Human Relations, *Chapter ILHR10, Flammable and Combustible Liquids,* April 1991.

Wisconsin Department of Natural Resources, *Site Assessments for Underground Storage Tanks Technical Guidance*, September 1992.

Wisconsin Department of Natural Resources, "Some Q & As on Implementing the Interim Closeout Guidance", *Release News*, April 1994.

s. NR 158, Wisconsin Administrative Code, *Notification of the Discharge of Hazardous Substances*, April 1994.

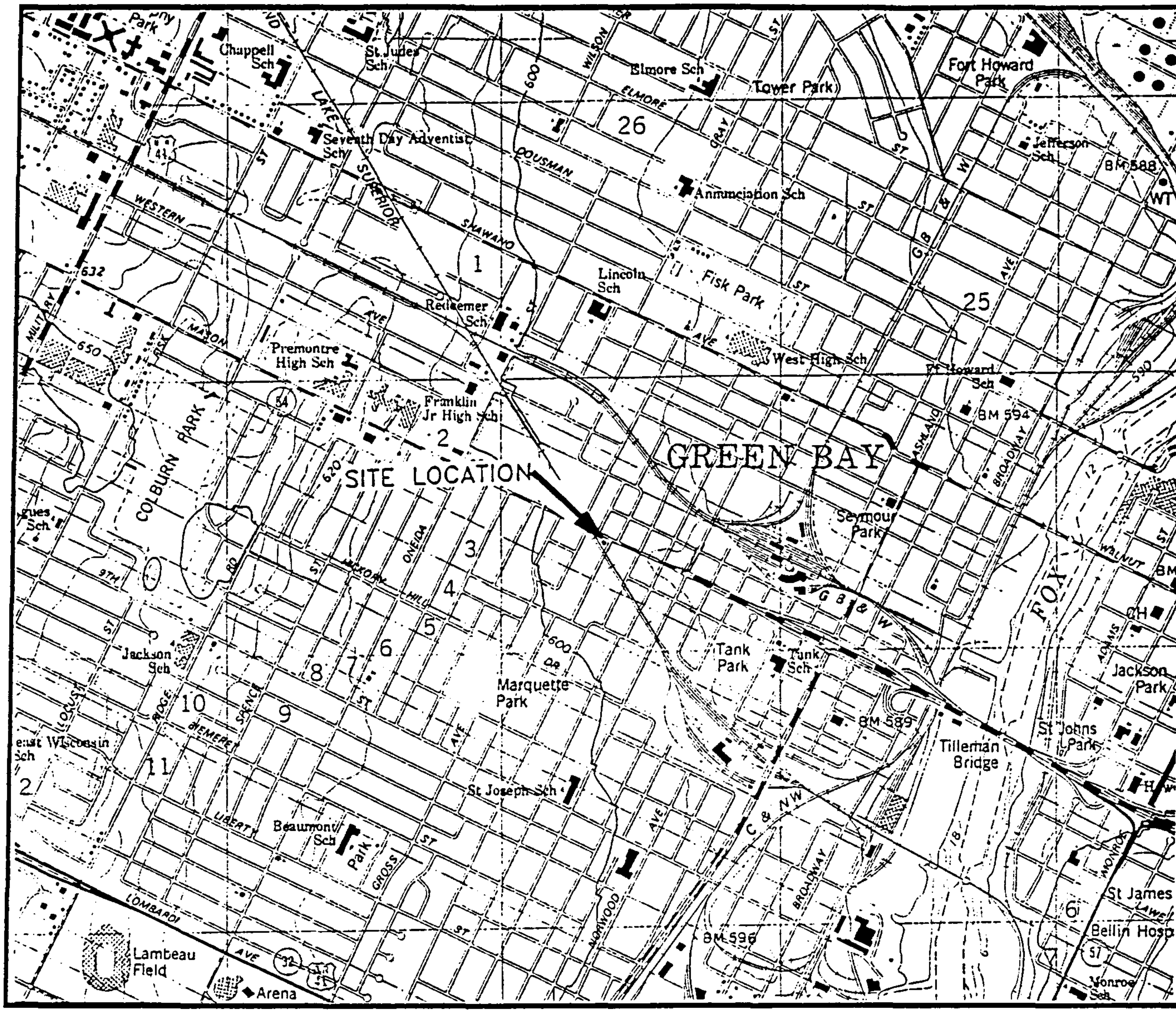
United States Geological Survey, Green Bay West, *Wisconsin 7.5 Minute Quadrangle Topographic Map*, Revised 1982.

Wisconsin Department of Natural Resources, *Leaking Underground Storage Tank List,* December 1993.

Conversation: Greg Ness (Ness Service Center) with Karen Schumacher (Northern Environmental), November 8, 1994.

Conversation: Stan Anderson (USP) with Karen Schumacher (Northern Environmental), November 8, 1994.

Conversation: Jay Grosskopf (USP) with Karen Schumacher (Northern Environmental), December 1, 1994.



SCALE 1" = 2000'

0 1000 2000 3000 4000 5000 6000 7000 8000

N

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

BASE MAP SOURCE: USGS GREEN BAY WEST, WISCONSIN 7.5 MINUTE QUADRANGLE (REVISED 1982)

DRAWN BY: JSS | PROJECT: USP320141 | DATE: 12/12/94

FILENAME: U\TOPOMAP

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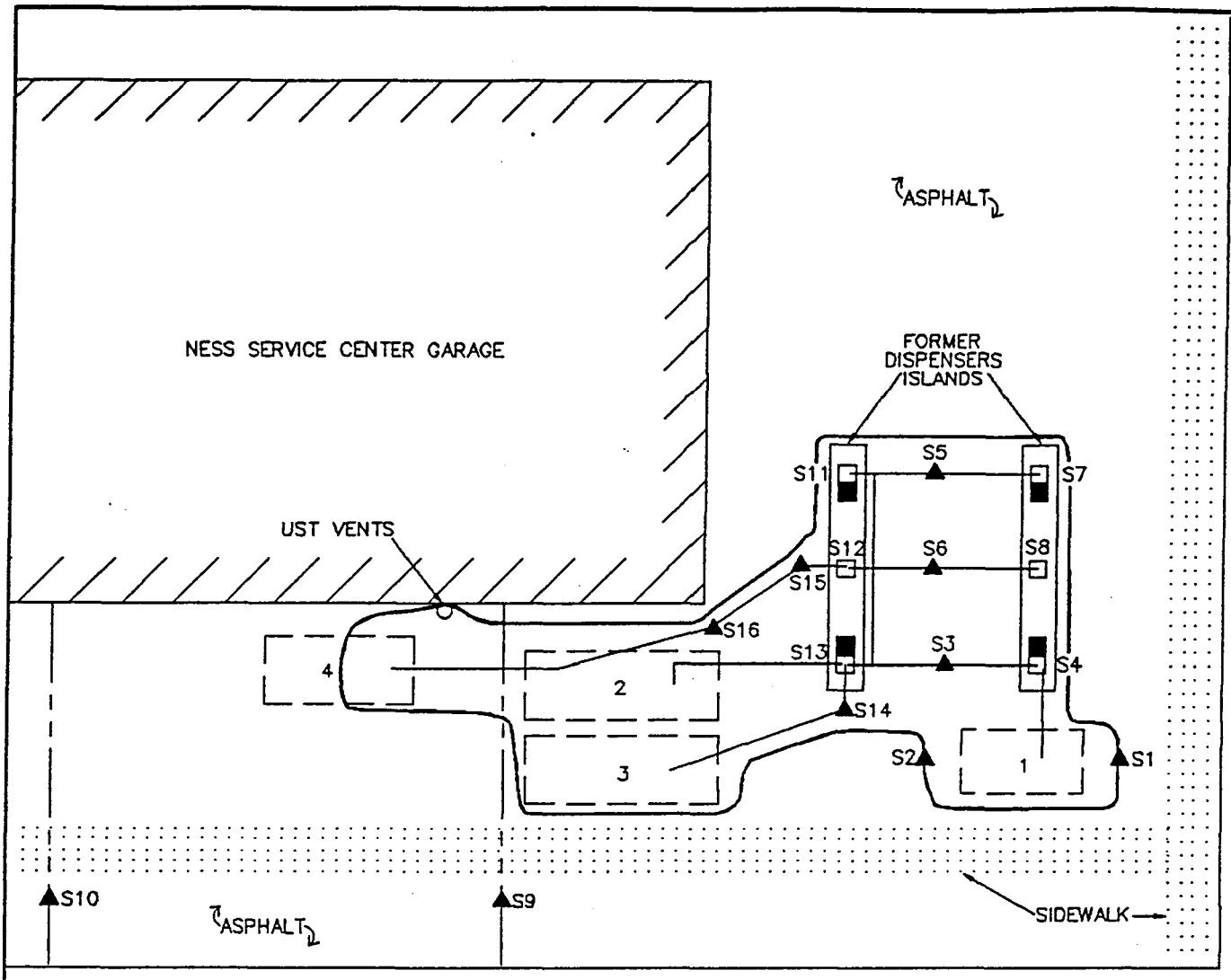
FIGURE 1
SITE LOCATION AND LOCAL TOPOGRAPHY
NESS SERVICE CENTER
GREEN BAY, WISCONSIN

U.S. PETROLEUM



LEGEND

- UST LOCATION
  - UST1: FORMER 4000 GALLON GASOLINE
  - UST2,3: CURRENT 8000 GALLON GASOLINE
  - UST4: CURRENT 6000 GALLON GASOLINE (FORMER DIESEL)
- ▲ SOIL SAMPLE
  - S4, S7, S8, S11, S12, AND S13 ARE DIRECTLY UNDER FORMER DISPENSERS
- □ FORMER DISPENSER
- ■ FORMER CANOPY FOOTING
- UNDERGROUND WATER UTILITIES
- FORMER PRODUCT PIPING
- EXTENT OF EXCAVATION

N

SCALE
1" = 20'
0 10 20

DRAWN BY: CAS	PROJECT: USP320141	DATE: 11/16/94

REV.
Date

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NESS SERVICE CENTER
GREEN BAY, WISCONSIN

FIGURE 2
SITE LAYOUT
FORMER UST AND DISPENSER LOCATIONS

Table 1 Removed UST Information, Ness Service Center, Green Bay, Wisconsin

UST Designation	Volume (gallons)	Size (feet)	Substance Stored	Age	Condition of Tank and Piping	Possible Leak Locations
UST 1	4,000	7.3 x 13.3	Unleaded Gasoline	8 Years	Fiberglass tank and steel piping were in good condition. Some pipe connections were loose. The north diesel dispenser's shear valve was cracked.	Loose pipe connections, cracked shear valve.

Note:
UST = underground storage tank

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Table 2 Summary of Soil Field Screening and Lab Analysis, Ness Service Center, Green Bay, Wisconsin

Sample Designation	Location	Depth (feet)	Date Collected	Time Collected	Time Analyzed	PID Response (iul)	Odor	Discoloration	Soil Type and USCS Classification	Relative Moisture Content	Laboratory Analysis Results (ppm GRO)
S1	North sidewall of UST excavation	3	11/08/94	11:15	12:00	655	Strong Petro.	None	Silty Clay, CL	Moist	4,100
S2	South sidewall of UST excavation	3	11/08/94	11:20	12:00	501	Strong Petro.	None	Silty Clay, CL	Moist	—
S3	Under product pipe connecting two east dispensers	3	11/08/94	12:15	13:35	796	Strong Petro.	None	Silty Clay, CL	Moist	—
S4	Under northeast dispenser	3	11/08/94	12:30	13:37	894	Strong Petro.	Dark Discoloration	Sand Backfill, SP	Moist	—
S5	Under product pipe connecting two west dispensers	3	11/08/94	13:30	14:30	561	Strong Petro.	None	Silty Clay, CL	Moist	13,000
S6	Under product pipe connecting two middle dispensers	3	11/08/94	13:35	14:34	503	Strong Petro.	None	Silty Clay, CL	Moist	—
S7	Under northwest dispenser	3	11/08/94	13:45	14:35	702	Strong Petro.	None	Sand Backfill, SP	Moist	—
S8	Under center dispenser of north dispenser island	3	11/08/94	13:50	14:37	743	Strong Petro.	None	Silty Clay, CL	Moist	—
S9	In water utility trench 78 feet south of intersection	3.5	11/08/94	13:55	14:38	619	Strong Petro.	Dark Discoloration	Sand Backfill and Silty Clay, CL	Moist	—
S10	In water utility trench 130 feet south of intersection	3	11/08/94	14:40	1640	0	None	None	Silty Clay, CL	Moist	—
S11	Under southwest dispenser	2	11/14/94	16:01	18:10	533	Strong Petro.	None	Sand Backfill and Silty Clay, CL	Moist	—
S12	Under center dispenser of south dispenser island	2	11/14/94	16:03	18:12	233	Strong Petro.	None	Sand Backfill, SP	Moist	—
S13	Under southeast dispenser	2	11/14/94	16:06	18:13	333	Strong Petro.	None	Sand and Gravel Backfill, SP	Moist	—
S14	Under product piping connecting to southeast dispenser at "T"	2	11/14/94	16:11	18:15	114	Strong Petro.	Dark Discoloration	Silty Clay, CL	Moist	—
S15	Under diesel product piping connecting center dispenser on south dispenser island to diesel UST	3	11/14/94	16:13	18:15	370	Strong Petro.	None	Sand Backfill and Silty Clay, CL	Moist	—
S16	Under diesel product piping connecting center dispenser on south dispenser island to diesel UST	3	11/14/94	16:18	18:16	221	Strong Petro.	Dark Discoloration	Silty Clay, CL	Moist	—

Note:
PID = photoionization detector
iul = instrument units as isobutylene
USCS = Unified Soil Classification System
GRO = gasoline range organics
— = not laboratory analyzed

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ATTACHMENT A

REPORT DISTRIBUTION

REPORT DISTRIBUTION

Greg Ness
Ness Service Center
975 West Mason Street
Green Bay, Wisconsin 54303

Janis DeBrock
Wisconsin Department of Natural Resources
Lake Michigan District
1125 North Military Road
P.O. Box 10448
Green Bay, Wisconsin 54307-0448

Jay Grosskopf
U.S. Petroleum Equipment
558 Carter Court
Kimberly, Wisconsin 54136

ATTACHMENT B

INVOLVED PERSONNEL

INVOLVED PERSONNEL

UST Removal Contractor

Company Name:	U.S. Petroleum Equipment and Environmental Services
Company Address:	558 Carter Court, Kimberly, Wisconsin, 54136
Company Phone Number:	1-800-490-4915
Certified Individual:	Stan Anderson
Certification Number:	#00568

UST Cleaner

Company Name:	Northlands Tank Cleaning
Company Address:	852 Colonial Avenue, Green Bay, Wisconsin, 54304
Company Phone Number:	(414) 498-2523
Certified Individual:	Sherman Terry
Certification Number:	#00990

Site Assessor

Company Name:	Northern Environmental Technologies, Inc.
Company Address:	954 Circle Drive, Green Bay, Wisconsin, 54304
Company Phone Number:	(414) 592-8400
Certified Individual:	Karen Schumacher
Certification Number:	#05634

Excavator

Company Name:	Bob Radtke, Inc.
Company Address:	6408 State Road #10, Winneconne, Wisconsin, 54986
Phone Number:	(414) 582-4114
Personnel:	Jeff Sohrweide

Cleaned UST Disposal Firm

Company Name:	U.S. Petroleum Equipment and Environmental Services
Company Address:	558 Carter Court, Kimberly, Wisconsin, 54136
Phone Number:	1-800-490-4915

Tank Cleaning Residuals Disposal Firm

Company Name:	Tank Cleaning residuals were poured into an active UST.
Company Address:	
Phone Number:	

Pumped Liquids Disposal Contractor Information

Company Name:	Pumped liquids were pumped into an active UST.
Company Address:	
Phone Number:	

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ATTACHMENT C

SITE INFORMATION

SITE INFORMATION

Site Name: Ness Service Center
Site Address: 975 West Mason Street, Green Bay, Wisconsin, 54303
County: Brown
Quarter/Quarter, Quarter Section, Township, and Range:
NE Quarter of the SE Quarter of Section 2, T23N, R20E

Site Owner
Name: Ness Service Center
Address: 975 West Mason Street, Green Bay, Wisconsin, 54303
Contact: Greg Ness

UST Operator
Company Name: Ness Service Center
Address: 975 West Mason Street, Green Bay, Wisconsin, 54303
Contact: Greg Ness

Hydrogeology Encountered

Maximum excavation depth was __7__ feet below grade.

Was water encountered in UST excavation? __Yes__

If so, at what depth? __3__ feet below grade

Was water: Ground Water __X__
Perched ____
Runoff ____

Local ground water uses:
There are no known local ground water uses.

Summary of Past and Present Property Uses
The Property has been used as a retail gasoline and automotive repair facility since the 1940's. The Property is still used for this purpose.

Description of any USTs previously removed from site:
According to the owner, an unknown number of USTs were removed in 1986 when the current USTs were installed.

There are __4__ USTs remaining on site.

Results of tank tightness tests:
According to the owner, the UST system tested satisfactory in 1994.

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Results of any previous environmental investigations conducted at this site:

The owner knows of no environmental investigations at the Property, however, the owner recently became aware that the Property was put on the WDNR LUST list in 1984 and does not know why, or if that problem has been resolved.

Describe any previous leaks in or repairs to the UST system:

According to the owner, the northeast gasoline dispenser was tilted in Fall 1994 by a careless motorist. The dispenser was promptly repaired. Also, the product line to the north diesel fuel dispenser was capped just prior to the UST removal because of a leak at the dispenser.

Information about any USTs or LUST sites on surrounding properties:

A Clark gas station with USTs is located approximately 100 feet east of the Property. A Super America gas station located approximately 200 feet east of the Property is listed as a LUST site with the WDNR.

ATTACHMENT D

CLOSURE SPECIFICS

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UST CLOSURE SPECIFICS

Date of Closure: November 8, 1994
Temperature: 50
Precipitation: none
Method of Closure: Removal __X__
In-place ____

Tanks Cleaned on Site? Yes __X__
No ____

If not, where? (Emergency waiver information)
N/A

Copy of Emergency Waiver Included in Attachment __N/A__

Fate of Cleaned Tank
Tank was crushed and taken to a landfill by USP.

Was Any Surplus Product Removed from UST Prior to Removal Yes __X__
No ____

Type of liquid? Gasoline
Quantity? Approximately 30 gallons

Final disposition of liquid: Prior to removing the UST, gasoline was pumped from the UST into an active UST, which remained buried at the Property.

Tank Cleaning Residual Disposal Information

Type of Residual:
Gasoline

Quantity, Number and Size of Containers:
Three gallons in one five gallon bucket.

Copy of sludge disposal documentation included as Attachment __N/A__
The gasoline was poured into an active UST at the Property.

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ATTACHMENT E

TANK INVENTORY FORM AND CHECKLIST FOR TANK CLOSURE

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Sec. 101.142, Wis. Stats.

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

For Office Use Only:
Tank ID #

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☒ YES ☐ NO If yes, are you correcting/updating information only? ☒ Yes ☐ No

This registration applies to a tank that is (check one):
1A. ☐ In Use or 1B. ☐ Newly Installed
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Closed - Tank Removed
6. ☐ Closed - Filled With Inert Material
7. ☐ Out of Service - Provide Date: _____
8. ☐ Changed Ownership (Indicate new owner below)

Fire Department Providing Fire Coverage Where Tank Located: GREEN BAY FIRE DEPT.

A. IDENTIFICATION: (Please Print)

1. Tank Site Name	Site Address	Site Telephone No.
NESS SERVICE CENTER	975 W. MASON ST.	(414) 497-7049

☒ City ☐ Village ☐ Town of:	State	Zip Code	County
GREEN BAY	WI.	54303	BROWN

2. Owner Name (mail sent here unless indicated otherwise in #3 below)	Owner Mailing Address (mail sent here unless indicated otherwise in #3)
GREG NESS	975 W. MASON ST.

☒ City ☐ Village ☐ Town of:	State	Zip Code	County
GREEN BAY	WI	54303	BROWN

3. Alternate Mailing Name If Different Than #2	Alternate Mailing Street Address If Different From #2

☐ City ☐ Village ☐ Town of:	State	Zip Code	County

4. Tank Age (date installed, if known: or years old)	5. Tank Capacity (gallons)	6. Tank Manufacturer's Name (if known)
1986	4000	OWENS CORNING

B. TYPE OF USER (check one):
1. ☒ Gas Station 2. ☐ Bulk Storage 3. ☐ Utility 4. ☐ Mercantile
5. ☐ Industrial 6. ☐ Government 7. ☐ School 8. ☐ Residential
9. ☐ Agricultural 10. ☐ Other (specify): _____

C. TANK CONSTRUCTION:
1. ☐ Bare Steel 2. ☐ Cathodically Protected and Coated Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☒ Fiberglass 5. ☐ Other (specify): _____
6. ☐ Relined - Date _____ 7. ☐ Steel - Fiberglass Reinforced Plastic Composite 9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is Tank Double Walled? ☐ Yes ☒ No

Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type: | Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☒ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present 7. ☐ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

D. 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): _____ 9. ☐ Unknown

Piping System Type: 1. ☒ Pressurized piping with: A. ☐ auto shutoff; B. ☐ alarm; or C. ☒ flow restrictor 2. ☐ Suction piping with check valve at tank
3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring
3. ☐ Groundwater monitoring 4. ☒ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other: | Double Walled: ☐ Yes ☒ No

E. TANK CONTENTS
1. ☐ Diesel 2. ☐ Leaded 3. ☒ Unleaded 4. ☐ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown 10. ☐ Premix 11. ☐ Waste Oil 12. ☐ Propane
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 Closed, Give Date (mo/day/yr):	Has a site assessment been completed? (see reverse side for details) ☐ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Name of Owner or Operator (please print):	Indicate Whether:
GREG NESS	☒ Owner or ☒ Operator
Signature of Owner or Operator:	**Date Signed:**
GREG NESS	11-18-94

SBD-7437 (R. 04/92)

IMPORTANT: Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations.

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR UNDERGROUND TANK CLOSURE

The information you provide may be used by other government agency programs (Privacy Law, s. 15.04 (1) (m)).

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	2. Owner Name
NESS SERVICE CENTER	GREG NESS
Site Street Address (not P.O. Box)	Owner Street Address
975 W. MASON ST.	975 W. MASON ST.
☒ City ☐ Village ☐ Town of: GREEN BAY	☒ City ☐ Village ☐ Town of: GREEN BAY — State: WI. — Zip Code: 54303
State: WI. — Zip Code: 54303 — County: BROWN	County: BROWN — Telephone No. (include area code): (414) 497 7049
3. Closure Company Name (Print): U.S. PETROLEUM EQUIPMENT	Closure Company Street Address: 558 CARTER CT.
Closure Company Telephone No. (include area code): (414) 739 6101	Closure Company City, State, Zip Code: KIMBERLY, WI. 54136
4. Name of Company Performing Closure Assessment: NORTHERN ENVIRONMENTAL	Assessment Company Street Address, City, State, Zip Code: 954 CIRCLE DRIVE GREEN BAY WI 54304
Telephone # (include area code): (414) 592 8400 — Certified Assessor Name (Print): Karen Schumacher	Assessor Signature: Karen Schumacher — Assessor Certification No.: 05634

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1	☐	☐	☐	4000	NO LEAD	☒ Y ☐ N
2.	☐	☐	☐			☐ Y ☐ N
3.	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N
5.	☐	☐	☐			☐ Y ☐ N
6.	☐	☐	☐			☐ 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) 03 _____ _____; 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.

	Remover Verified	Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) 12-5-94	☒ 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			
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: Janis DeBrock

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

Stan W. Anderson	Stan W Anderson	00568	11-8-94
Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed

I. INSPECTOR INFORMATION

John #Williams	John #Williams	00367
Inspector Name (print)	Inspector Signature	Inspector Certification No.
		11/8/94
FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed

ATTACHMENT F

LABORATORY ANALYSIS AND CHAIN-OF-CUSTODY FORMS

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U.S. Oil Co., Inc.

Analytical Laboratory
425 S. Washington St. Combined Locks, WI 54113
Phone 414-735-8298

RECEIVED
NOV 28 1994

WI DNR Certified Lab #445027660

Karen Schumacher
Northern Environmental
954 Circle Drive
Green Bay, WI 54304

Report Date: 21-Nov-94

Project #: USP320141
Project : Green Bay
Sample ID: S1
Lab Code: 5010105A
Sample Type: Soil
Sample Date: 08-Nov-94

Test	Result	MDL	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	84.2		%		10-Nov-94	B.Rettler	1
MODIFIED GRO WDNR JULY 93	4100	100	MG/KG		15-Nov-94	R. Everson	1

MDL=Method Detection Limit

ND= Compound Not Detected

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature

U.S. Oil Co., Inc.

Analytical Laboratory
425 S. Washington St. Combined Locks, WI 54113
Phone 414-735-8298

WI DNR Certified Lab #445027660

Karen Schumacher
Northern Environmental
954 Circle Drive
Green Bay, WI 54304

Report Date: 21-Nov-94

Project #: USP320141
Project : Green Bay
Sample ID: S5
Lab Code: 5010105B
Sample Type: Soil
Sample Date: 08-Nov-94

Test	Result	MDL	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	85.4		%		10-Nov-94	B.Rettler	1
MODIFIED GRO WDNR JULY 93	13000	100	MG/KG		15-Nov-94	R. Everson	1

MDL=Method Detection Limit

ND= Compound Not Detected

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature

5010105

Northern Environmental℠

1214 W. Venture Court
Mequon, WI 53092
414-241-3133
FAX 414-241-8222

372 West County Road D
New Brighton, MN 55112
612-635-9100
FAX 612-635-0643

556-036

952 Circle Drive
Green Bay, WI 54304
414-592-8400
FAX 414-592-8444

CHAIN OF CUSTODY RECORD

REQUEST FOR ANALYSIS

Page 1 of 1

№ 2737

Check office originating request

Project No: USP320141 Task No:
Project Location: (city) Green Bay
Project Manager: JEM
Sampler (name): KarenSchumacher
Sampler (signature): KarenSchumacher
Sampling Date(s): 11/8/94
Reports to be Sent to: KarenSchumacher

Laboratory: US Oil Analytical Labs
Wisconsin DNR Certification #: 445027660
Laboratory Contact: Jim Stevens
Price Quote:

TURNAROUND TIME REQUIRED

☒ Normal ☐ Rush

Date Needed

Sample Integrity - To be completed by receiving lab
Seal intact upon receipt ☒ Yes ☐ No
Method of Shipment US pickup
Contents Temperature On Ice °C Refrigerator No:

ANALYSES REQUESTED

Lab ID. No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size and Type	Description: Water	Description: Soil	Description: Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method)	Pb (EPA Method)	
5010105A	S1	11/8	1115	2-2oz glass		X		½ methanol ½ ice		X						PID = 655
B	S5	11/8	1330	"		X		"		X						PID = 561

Packed for Shipping by: KarenSchumacher
Shipment Date: 11/8/94

Comments:

Relinquished By:	Date:	Relinquished By:	Date:	Relinquished By:	Date:
KarenSchumacher	11/9/94				
Company: Northern Environmental	Time: 14:30	Company:	Time:	Company:	Time:
Received By: [illegible]	Date: 11/9/94	Received By:	Date:	Received By:	Date:
Company: [illegible]	Time: 14:30	Company:	Time:	Company:	Time:

ATTACHMENT G

FIELD METHODS

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METHODS

Soil samples are collected by or under the direction of a certified Northern Environmental Site Assessor in conformance with Wisconsin Department of Natural Resources (WDNR) July 1993 *Leaking Underground Storage Tank (LUST) and Petroleum Analytical and Quality Assurance Guidance*, and the Wisconsin Department of Industry, Labor, and Human Relations (WDILHR) Chapter ILHR10 *Flammable and Combustible Liquids*.

Each sample is split into two representative portions: one for field screening, the other for laboratory analysis. Field screening consists of classifying the soil according to the United Soil Classification System (USCS), identifying obvious odors and staining, and photoionization detector (PID) headspace screening. PID headspace screening involves transferring the sample to a one-quart plastic Zip-lock bag or a 16 ounce glass jar, sealing the container, desegregating the sample, and storing it in a relatively warm location for approximately one-half hour. The PID probe is then carefully inserted and the highest stable PID reading occurring within 10 to 20 seconds is recorded in instrument units as isobutylene (iui).

The portion of the sample designated for laboratory analysis is placed in a four-ounce laboratory prepared glass jar for dry weight analysis and 25 grams is placed in a two ounce glass jar for diesel range organics (DRO) analysis or a two-ounce methanol preserved jar for gasoline range organics (GRO).

All laboratory soil samples are immediately cooled to 4° C for potential laboratory analysis. All samples selected for laboratory analysis are transported under chain-of-custody to a WDNR certified laboratory.

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ATTACHMENT H

AUTHORIZATION TO REPORT A RELEASE, NOTIFICATION OF PETROLEUM CONTAMINATION, AND WDNR LETTER

Northern Environmental℠
Hydrologists • Engineers • Geologists

AUTHORIZATION TO REPORT A RELEASE OF A STATE-REGULATED SUBSTANCE

This authorization is made this 8th day of November 1994, by and between Northern Environmental Technologies, Incorporated, and Ness Service.

Field analysis has shown that a release of a state-regulated substance has occurred at your property. As a result, you may not be in compliance with Wisconsin Spill Statute §144.76(2) which states:

(a) A person who possesses or controls a hazardous substance or who causes the discharge of hazardous substance shall notify the WDNR immediately of any discharge...

(b) Notification received under this section or information obtained in a notification received under this section may not be used against the person making such notification in any criminal proceedings.

(c) The WDNR shall designate a 24-hour statewide toll free or collect telephone number whereby notice of any hazardous discharge may be made.

Northern Environmental, with your authorization, will report the release to Wisconsin Department of Natural Resource personnel at the 24-hour hotline and/or at the appropriate district office.

I understand that I may be currently in violation of Wisconsin Spill Statute §144.76 and that I am obligated to report the spill to the Wisconsin Department of Natural Resources. Furthermore, I authorize/do not authorize Northern Environmental Technologies, Inc. to report the spill at Ness Service Center.

Greg Ness
Signature

11-8-94
Date

Owner
Title

Ness Service Center.
Company

© 1993 Northern Environmental Technologies, Incorporated

USP320141

Wisconsin Department of Natural Resources

Notification of Petroleum Contamination from Underground Storage Tank System

Please complete this form and FAX it to the appropriate WDNR contact person (see attached list) **immediately** upon discovery of a release from an UST system.

TO: WDNR, Attn: Jani's DeBrock

FAX #: 492-5859

1. Name, company, mailing address and phone number of person reporting the discharge:

Karen Schumacher
Northern Environmental
954 Circle Dr
Green Bay WI 54304 (414)-592-8400

2. Site Information

Name of site at which discharge occurred (local name of site/business -- not responsible party name, unless a residence): Ness ~~Service~~ Center
Service

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60):
975 W. Mason St., Green Bay WI

Municipality (city, village, township in which the site is located -- not mailing address):
Green Bay

County: Brown

Legal Description: _____1/4, _____1/4, Section _____, Tn_____, Range _____ E / W

3. Responsible Party (RP) and/or RP Representative Information

Company Name: Ness Service Center

Contact Person: Greg Ness

Mailing Address (with zip code):
975 W. Mason St.
Green Bay WI 54303

Telephone Number:
414-497-7049

4. Date, time, and duration of discharge:

Petroleum contamination discovered during UST tank pull on 11/8/94

5. Identity, physical state and quantity of the hazardous substance discharged:

Contaminated Soil

6. Known and potential impacts to the environment (enter "P" for potential and "K" for known):

_____Fire/explosion threat	_K_Soil contamination
_____Contaminated private wells (# of wells)_____	_____Surface water impacts
_____Contaminated public wells	_____Floating product
_P_Groundwater contamination	_____Other_____

7. Contamination was discovered as a result of:

_X_Tank closure assessment _____Site assessment _____(other)_____

8. Immediate actions being taken and the name of the contractor or other person performing the actions:

9. Source, speed of movement, and destination or probable destination of the discharged hazardous substance:

10. Local soil type and topography in the area of the discharge, depth to groundwater, and distance to surface water:

Silty Clay
3' to groundwater

11. Weather conditions existing at the scene, including presence of precipitation, and wind direction and velocity:

Additional Comments:

TRANSACTION REPORT

Transmission
Transaction(s) completed

NO.	TX DATE/TIME	DESTINATION	DURATION	PGS.	RESULT	MODE
433	NOV. 8 17:38	4925859	0° 01' 17"	002	OK	N ECM

FAXED

USP320141

WISCONSIN
DEPT. OF NATURAL RESOURCES

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

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

November 9, 1994

COPY

NESS SERVICE CENTER
GREG NESS
975 W MASON STREET
GREEN BAY, WI 54303

SUBJECT: Reported Contamination at Ness Service Center, 975 West Mason Street, Green Bay, Wisconsin.
WDNR LUST ID #05-00017

Dear Mr. Ness:

The Wisconsin Department of Natural Resources has been notified of petroleum contamination at the above referenced location. As you already know, the Ness Service Center has been considered an active LUST site on the WDNR tracking system since March 27, 1984. Therefore, to make the investigation/remediation process at this site more convenient the Department will be combining the November 8, 1994, tank removal information with our existing file.

Based on the information received by the Department of Natural Resources, we believe you are responsible for restoring the environment at this site under Section 144.76, Wisconsin Stats., known as the hazardous substances spills law. Your responsibilities include investigating the extent of the contamination and then selecting and implementing the most appropriate remedial action. Enclosed is information to help you understand what you need to do to ensure your compliance with the spills law.

The purpose of this letter is threefold: 1) to describe your legal responsibilities, 2) to explain what you need to do to investigate and clean up the contamination, and 3) to provide you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the Department of Natural Resources.

Legal Responsibilities:
Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 144.76 (3) Wisconsin Statutes, states:

* RESPONSIBILITY. 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.

Wisconsin Administrative Codes chapters NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

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Steps to Take:
The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and to neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first four steps to take:

1. By December 12, 1994, please submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. You will need to work quickly to meet this timeline.

2. By January 9, 1994, your consultant must submit a workplan and a schedule for conducting the investigation. The consultant must follow the Department's administrative codes and our technical guidance documents. Please include with your workplan a copy of any previous information that has been completed (such as an underground tank removal report or a preliminary soil excavation report).

3. Please keep us informed of what is being done at your site. You or your consultant must provide us with a brief report at least every 90 days, starting after your workplan is submitted. These quarterly reports should summarize the work completed since the last report. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. However, please note that should conditions at your site warrant, you may receive a letter requiring more frequent contacts with the Department. You will also receive one annual site status report form in February.

4. When the site investigation is complete, your consultant must submit a full report on the extent and degree of soil and groundwater contamination and a proposal for cleaning up the contamination.

The Ness Service Center will be receiving direct oversight from DNR staff. All correspondence and reports regarding this site should be sent to the Department at the following address:

Wisconsin Department of Natural Resources
Kristin Nell
1125 North Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448

Unless otherwise requested, please send only one copy of all plans and reports. Correspondence should be identified with the assigned DNR identification number which is listed at the top of this letter.

Information for Site Owners:
Enclosed is a list of environmental consultants and some important tips on selecting a consultant. If you are eligible for reimbursement of costs under Wisconsin's PECFA program (see last paragraph) you will need to compare at least three consultants' proposals before hiring a consultant. Consultants and laboratories working in the PECFA program are required to carry errors and omissions insurance to help protect you against unsuitable work. Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. This information has been prepared to help you understand your responsibilities and what your environmental consultant needs to do. Please read this information carefully.

If you are interested in obtaining the protection of limited liability under s. 144.765, Stats., please contact Mark Giesfeldt at (608) 267-7562 or Darsi Foss at (608) 267-6713, in the Department of Natural Resources' Madison office for more information. The liability exemption under s. 144.765. Stats., is available to persons who meet the definition of "purchaser" in s. 144.765(1)(c) and receive Department approval for the response actions taken at the property undergoing cleanup. The Department will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. NR 716 site investigation at the property.

Financial Information:
Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. The fund is administered by the Department of Industry, Labor, and Human Relations (DILHR). Please contact DILHR at (608) 266-2424 for more information on eligibility and regulations for this program.

If you have any questions about this letter or your responsibilities, please call me at (414) 492-5943.

Thank you for your cooperation.

Sincerely,

Kristin Nell
Hydrogeologist
Emergency & Remedial Response Program

Enclosure

cc: Kathy Schumacher; Northern Environmental
954 Circle Drive; Green Bay, WI 54304