Received June 19, 1998

DPRA
ENVIRONMENTAL

E-1500 First National Bank Building, St. Paul, Minnesota 55101-1314 Telephone 612-227-6500 FAX 612-227-5522

7/24/97

June 11, 1998

Ms. Janis DeBrock
Wisconsin Department of Natural Resources
1125 N. Military Avenue
Box 10448
Green Bay, WI 54307

RE: Site Assessments for Underground Storage Tank Closures
Green Bay Vehicle Maintenance Facility

Dear Ms. DeBrock:

Attached is a copy of the site assessment report for an underground storage tank (UST) closure for the above-referenced site. Please call me at (612) 227-6500 if you have any questions.

Sincerely,

Audrey L Van Cleve

Audrey Luebeck Van Cleve, P.G.
Senior Geological Engineer

attach.

RECEIVED
JUN 15 1998
LMD SOLID WASTE

cc: Joseph Ceci, US Postal Service
Joe Stoll, Green Bay Vehicle Maintenance Facility
DPRA file 5471.056

SITE ASSESSMENT FOR
UNDERGROUND STORAGE TANK

U.S. Postal Service

GREEN BAY POST OFFICE VMF
300 PACKERLAND DRIVE
GREEN BAY, WISCONSIN 54303-9998

Prepared for:

Karl Curda
United States Postal Service
District Environmental Coordinator
5050 South Second Street
P.O. Box 37740
Milwaukee, Wisconsin 53237-0740

RECEIVED
JUN 15 1998
LMD SOLID WASTE

Prepared by:

DPRA Incorporated
E-1500 First National Bank Building
332 Minnesota Street
St. Paul, Minnesota 55101

DPRA Project No. 5471.056
USPS Contract No. 193045-94-B-0235
USPS Work Order No. 44.01

June 10, 1998

SITE ASSESSMENT FOR UNDERGROUND STORAGE TANK

Green Bay VMF Post Office
300 Packerland Drive
Green Bay, Wisconsin 54303-9998

TABLE OF CONTENTS

		Page
A.	INTRODUCTION	1
	Purpose	1
	Scope of Services	1
B.	SITE BACKGROUND INFORMATION	2
	Site Ownership	2
	Site Location	2
	DIHLR Certification	2
	Past and Present Property Use	3
	Depth to Groundwater and Local Groundwater Use	3
C.	TANK ACTIVITIES AND EXCAVATION	3
D.	TANK CLEANING AND DISPOSAL	4
E.	SURPLUS PRODUCT/SLUDGE MANAGEMENT	4
F.	SITE LOCATION MAP	4
G.	SITE LAYOUT PLAN	4
H.	VISUAL INSPECTION	4
	Weather	4
	Site Conditions	5
	Excavation	5
	Tank System Components	5
I.	SOIL SAMPLING	5
	Field Screening	5
	Laboratory Results	5
J.	SUPPORTING DOCUMENTATION AND INFORMATION	6
K.	DISCUSSION	6
L.	RECOMMENDATIONS	7
M.	STANDARD OF CARE	8

TABLE OF CONTENTS (continued)

LIST OF FIGURES

Figure 1 - Site Location Map
Figure 2 - Site Layout Plan
Figure 3 - Excavation Map

LIST OF TABLES

Table 1 - PID Measurements
Table 2 - Nonaqueous Analytical Results
Table 3 - Aqueous Analytical Results

LIST OF APPENDICES

Appendix A - DPRA Field Procedures
Appendix B - Laboratory Report and Chain of Custody Form
Appendix C - Tank Inventory Form (SBD-7437)
Appendix D - Checklist for Underground Tank Closure (SBD-8951)
Appendix E - Disposal Documentation

A. INTRODUCTION

Purpose

The U.S. Postal Service (USPS) contracted with DPRA Incorporated (DPRA) to oversee the removal of one 12,000-gallon, unleaded gasoline underground storage tank (UST) at Green Bay Post Office Vehicle Maintenance Facility (VMF) located at 300 Packerland Drive in Green Bay, Wisconsin. This report presents the results of the site assessment conducted by DPRA in conjunction with the removal of the UST at the Green Bay VMF on July 23-24, 1997. The UST closure was conducted in accordance with the requirements of the Department of Industry, Labor and Human Relations (ILHR) 10 Appendix B, Closure Assessments for Underground Storage Tanks.

Scope of Services

The scope of services performed by DPRA at this site consisted of the following activities:

- Provided a Wisconsin Certified Site Assessor for the oversight and monitoring of the excavation and removal of the UST and associated piping.
- Screened excavated soils during the UST closure for organic vapors with a portable photoionization detector (PID) and visually inspected the soils for staining.
- Collected three soil samples from below the UST, one soil sample from below the dispenser, one groundwater sample, and two soil samples below a fuel oil line.
- Submitted soil and groundwater samples for laboratory analysis of gasoline range organics (GRO). The soil samples collected from below a fuel oil line were only analyzed for diesel range organics (DRO).
- Prepared this closure report, which provides background information, field observations, and a summary of DPRA's findings in accordance with Wisconsin DNR and Postal Service requirements.

B. SITE BACKGROUND INFORMATION

Site Ownership

The Green Bay Post Office VMF is owned and operated by the U.S. Postal Service. The USPS contact person is:

Karl Curda
United States Postal Service
District Environmental Coordinator
5050 South Second Street
P.O. Box 37740
Milwaukee, Wisconsin 53237-0740
(414) 482-7806

Site Location

The Green Bay Post Office VMF is located at 300 Packerland Drive in Green Bay, Wisconsin. The geographic location is the southwest quarter of the southeast quarter of Section 20, Township 24 North and Range 20 East in Brown County. A site location map is attached in Figure 1.

DIHLR Certification

DPRA conducted the site assessment at the subject property. The following certified site assessor conducted the assessment:

Sara Gelting Remus, Certification No. 242781
DPRA Incorporated
W134 N4981 Campbell Drive
Menomonee Falls, Wisconsin 53051
(414) 783-7048

North Shore Environmental Construction, Inc., performed the excavation and removed the UST under the supervision of the following certified remover:

Steven M. Strande, Certification No. 01853
North Shore Environmental Construction, Inc.
N117 W18493 Fulton Drive
Germantown, Wisconsin 53022
(414) 255-4468

Past and Present Property Use

The Green Bay Post Office VMF is bounded by a vacant lot with trees and commercial property to the north, Packerland Drive and commercial properties to the east, a warehouse and an industrial factory to the south, and residential properties to the west. The Postal facility comprises a Postal Service building and an enclosed garage for vehicle storage. No information regarding land use at the subject property prior to postal service ownership is available.

Depth to Groundwater and Local Groundwater Use

According to the Water Resources of Wisconsin, Fox-Wolf River Basin Hydrologic Investigations Atlas HA-321, the region is underlain by Quaternary glacial lake deposits consisting of silt and clay. According to interpolations made from the Green Bay West Quadrangle 7.5 minute topographic map, the water table is estimated to be at a depth of 10 to 15 feet below the ground surface at the subject property. Groundwater was encountered at approximately 10 feet below grade surface during removal of the UST in July 1997. According to a Green Bay city engineer, Lake Michigan is the primary source of drinking water for Green Bay and the groundwater is used as a backup source.

C. TANK ACTIVITIES AND EXCAVATION

On July 23-24, 1997, Steven Strande (Certification No. 01853, see section B for address) of North Shore Environmental Construction Inc.(North Shore) directed the excavation and removal of the 12,000-gallon, unleaded gasoline UST at the Green Bay Post Office VMF.

The UST removed from the Green Bay Post Office VMF was a 12,000-gallon, single-walled, fiberglass tank with double-walled piping which stored unleaded gasoline for the USPS vehicles. The UST was installed in 1984. The tank was upgraded with leak detection, double-walled piping, and spill/overfill protection approximately five years ago. No USTs remain on the Green Bay Post Office VMF property.

During the excavation, an active fuel oil line was discovered, running underground from the

dispenser island to the sidewalk of the Post Office building. The pipes were connected to two waste oil aboveground storage tanks (ASTs) located adjacent to the VMF building. The fuel line pipes were removed and two soil samples were collected to be analyzed for diesel range organics (DRO).

D. TANK CLEANING AND DISPOSAL

North Shore inerted and cleaned the UST on site. The tank was cleaned by hand without the use of water, and thus no cleaning wastewater was generated. North Shore transported the UST via flat-bed trailer to the Ridgeview Landfill in Whitelaw, WI. No other wastes were generated. Backfill excavated from the UST basin during UST removal was returned to the UST basin.

E. SURPLUS PRODUCT/SLUDGE MANAGEMENT

The Postal Service was notified to use all product stored in the UST prior to the tank closure project. The UST contained no sludge.

F. SITE LOCATION MAP

The location of the site is shown in Figure 1.

G. SITE LAYOUT PLAN

The layout of the site is shown in Figure 2. Refer to Figure 3 for a detail of the UST excavation and sample locations.

H. VISUAL INSPECTION

Weather

The weather during the UST removal project on July 23, 1997, consisted of cloudy skies with light rain in the morning and a temperature of 70 degrees Fahrenheit. July 24, 1997, was warm with sunny skies and a morning temperature of 75 degrees Fahrenheit expected to reach 83 degrees Fahrenheit.

Site Conditions

No surface staining or stressed vegetation was observed. No unregistered USTs were observed.

Excavation

The completed UST excavation was approximately 40 feet long by 18 feet wide by 10 feet deep. Native soils consisted of brown sand (SP - USCS classification) and clay (CL - USCS classification) and backfill material was pea gravel. Groundwater was encountered in the UST basin at approximately 10 feet below the grade surface. No soil staining, free product, or petroleum odors were evident.

Tank System Components

The tank, piping, and dispenser were observed to be in good condition. No soil staining was observed beneath the dispenser or product piping.

I. SOIL SAMPLING

Field Screening

During UST removal, excavated soils were screened with a Determinator Model 580D photoionization detector (PID) equipped with a 10.6 eV lamp and calibrated to read in parts per million (ppm) benzene. No organic vapors were detected in the excavated soil. Soil headspace sample locations are shown in Figure 3. Refer to Table 1 for the recorded PID measurements.

Laboratory Results

A total of six soil samples, three from below the UST, one from beneath the dispenser, and two from below a fuel oil line; and one groundwater sample were collected for laboratory analysis in accordance with analysis requirements for soil and groundwater samples collected for UST Closure Assessments as described in PUBL-SW-13093, sections 8.0 and 9.0, respectively. The two samples collected from below a fuel oil line were analyzed for diesel range organics (DRO) and the other four soil samples and groundwater sample were analyzed for gasoline range organics (GRO). Sample locations are shown in Figure 3.

Laboratory analysis did not detect GRO or DRO above the reporting limit of 5.0 mg/kg

(milligrams per kilogram) in the soil samples. Laboratory analysis did not detect GRO above the reporting limit of 50 µg/l (micrograms per liter) in the groundwater sample. The analytical results are included in Table 2 and the laboratory report is included in Appendix B.

J. SUPPORTING DOCUMENTATION AND INFORMATION

DPRA's field procedures describing sample collection and soil screening are included in Appendix A. A copy of the laboratory report and chain-of-custody form is included in Appendix B. A copy of the *Tank Inventory Form (SBD-7437)* is included in Appendix C. A copy of the *Checklist for Underground Tank Closure (SBD-8951)* is included in Appendix D. Tank disposal documentation is included in Appendix E.

K. DISCUSSION

One 12,000-gallon, unleaded gasoline underground storage tank (UST), a dispenser, and associated piping were removed from the Green Bay Post Office VMF on July 23-24, 1997. The work was conducted in accordance with ILHR 10 Appendix B requirements for UST closure.

No evidence of a release was observed during excavation activities. Laboratory analysis of soil samples collected from the ends of the UST anchor pad and from below the dispenser and a groundwater sample collected from the bottom of the excavation detected no GRO above the reporting limit of 5.0 mg/kg for soils and 50 µg/l for groundwater. Laboratory analysis of soil samples collected from below a fuel oil line detected no DRO above the reporting limit of 5.0 mg/kg.

L. RECOMMENDATIONS

Based on field observations and on analytical results of soil samples, DPRA recommends no further action at the Green Bay Post Office VMF site in Green Bay, Wisconsin, with regard to the underground storage tank removal.

M. STANDARD OF CARE

The recommendations contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted geologic, hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

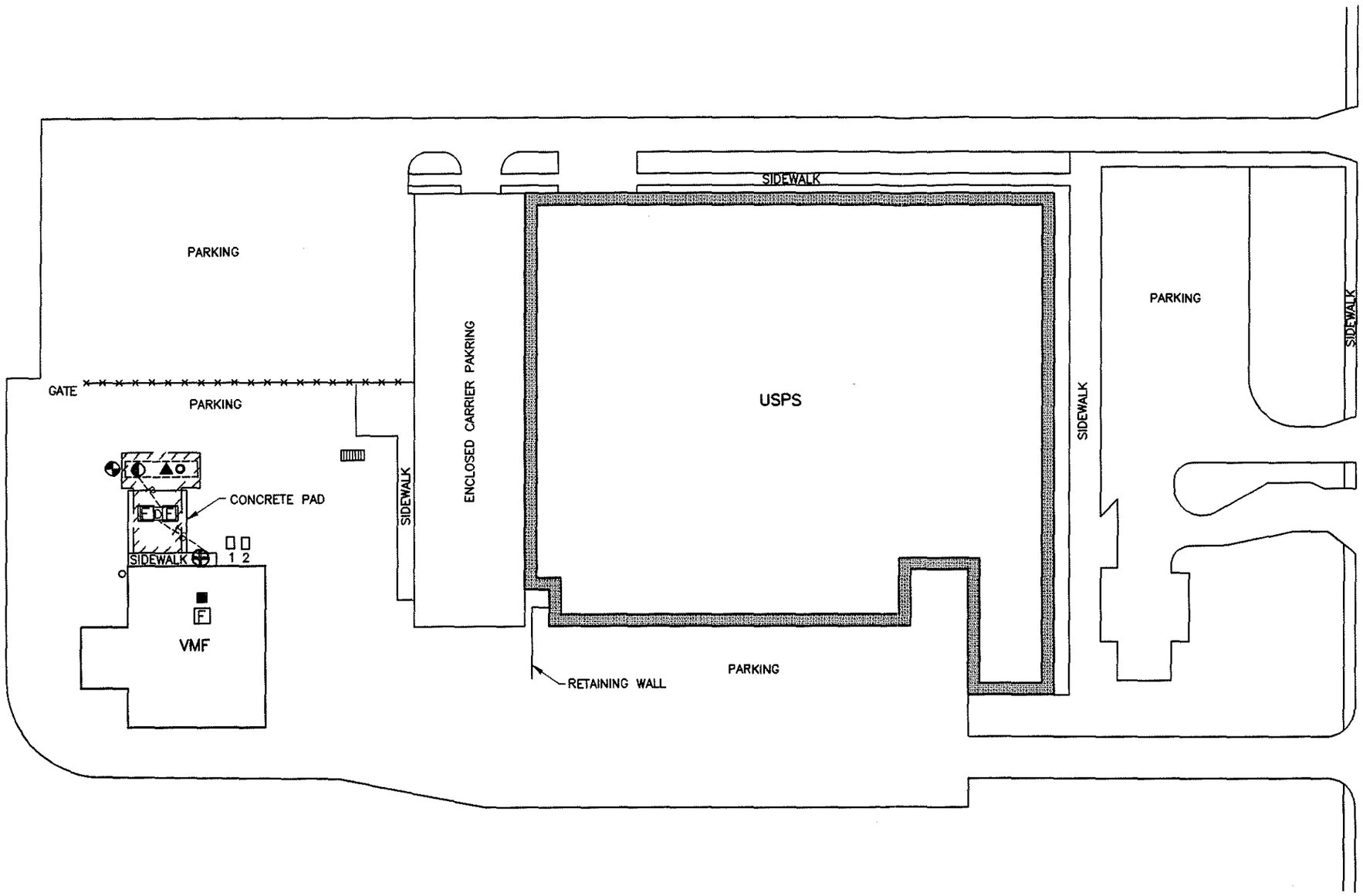
Prepared by: Suzanne Mellem
Suzanne Mellem
Project Engineer

Reviewed by: Audrey L Van Cleve
Audrey Luebeck Van Cleve, P.G.
Senior Geologic Engineer

Dated: 6-10-98

LIST OF FIGURES

FIGURE 1 - SITE LOCATION MAP
FIGURE 2 - SITE LAYOUT MAP
FIGURE 3 - EXCAVATION MAP



LEGEND

- CATCH BASIN
- FENCE
- FIRE EXTINGUISHER
- FORMER DISPENSER
- 12,000-GALLON UNLEADED UNDERGROUND STORAGE TANK – (REMOVED (7/24/97)
- FORMER OBSERVATION WELL
- MANWAY SUMP
- INTERSTITAL PORT
- AUXILLARY PORT
- FILL PORT
- VENT PIPE
- SPILL EQUIPMENT
- EMERGENCY SHUT-OFF
- ------ P ------ PRODUCT LINE
- ---- FO ---- FUEL OIL LINE
- EXCAVATION LIMITS

ABOVEGROUND STORAGE TANK IDENTIFICATION

1. 280-GALLON MOTOR OIL
2. 280-GALLON WASTE OIL

NOTE:
A. APPROXIMATE BUILDING AND UTILITY LOCATIONS. CALL LOCAL UTILITY OPERATOR TO VERIFY UTILITIES BEFORE STARTING ANY SUBSURFACE WORK.
B. UNDERGROUND STORAGE TANK ACCESS PORTS NOT DRAWN TO SCALE.

60 0 60
SCALE IN FEET

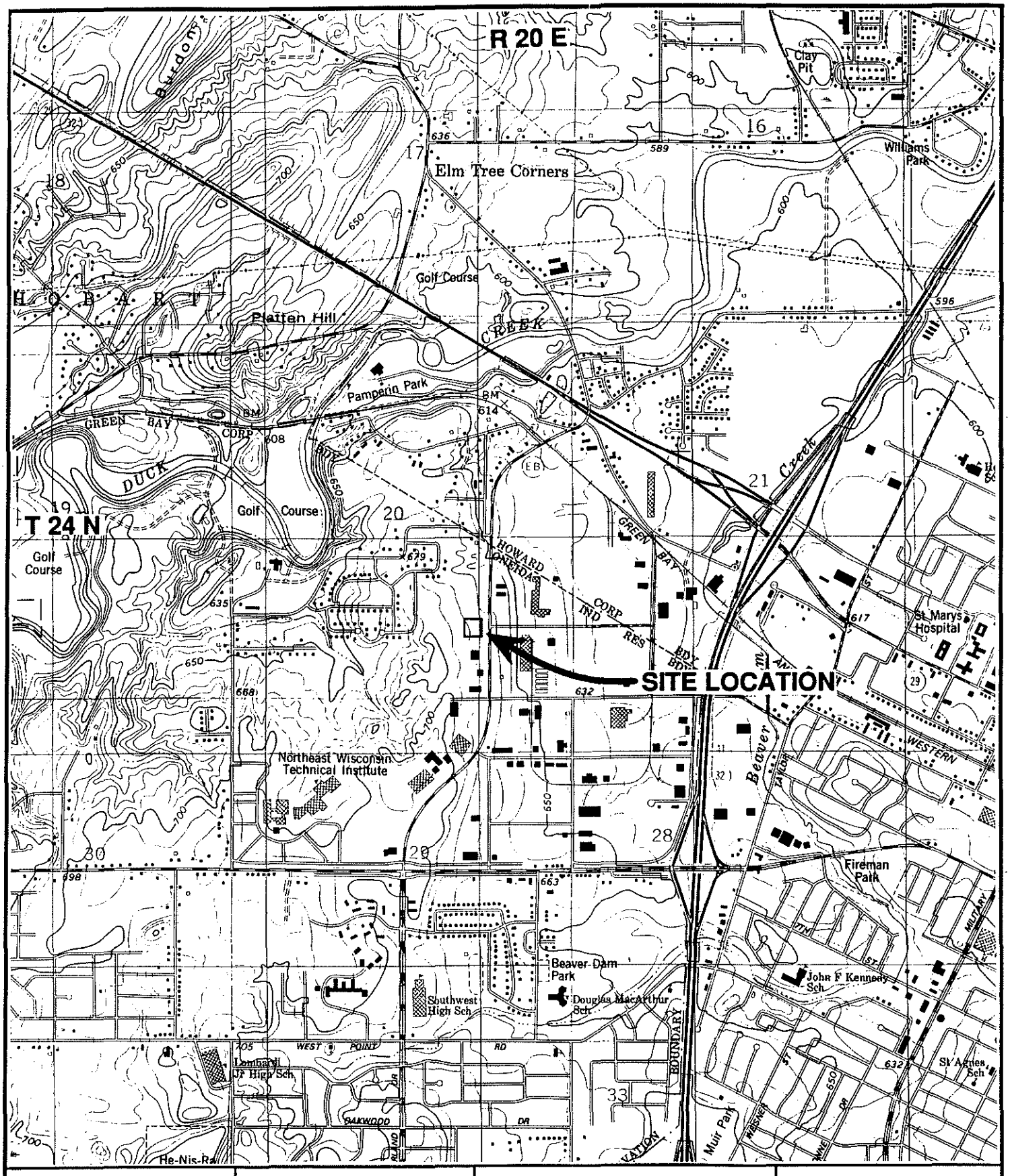
FIG-2.SCR
H5471056S.DWG

FIGURE 2
SITE LAYOUT PLAN

USPS-GREEN BAY VMF
300 PACKERLAND DRIVE
GREEN BAY, WISCONSIN

DPRA

PROJECT NUMBER: 5471.056



0' 2000'

N

QUADRANGLE LOCATION

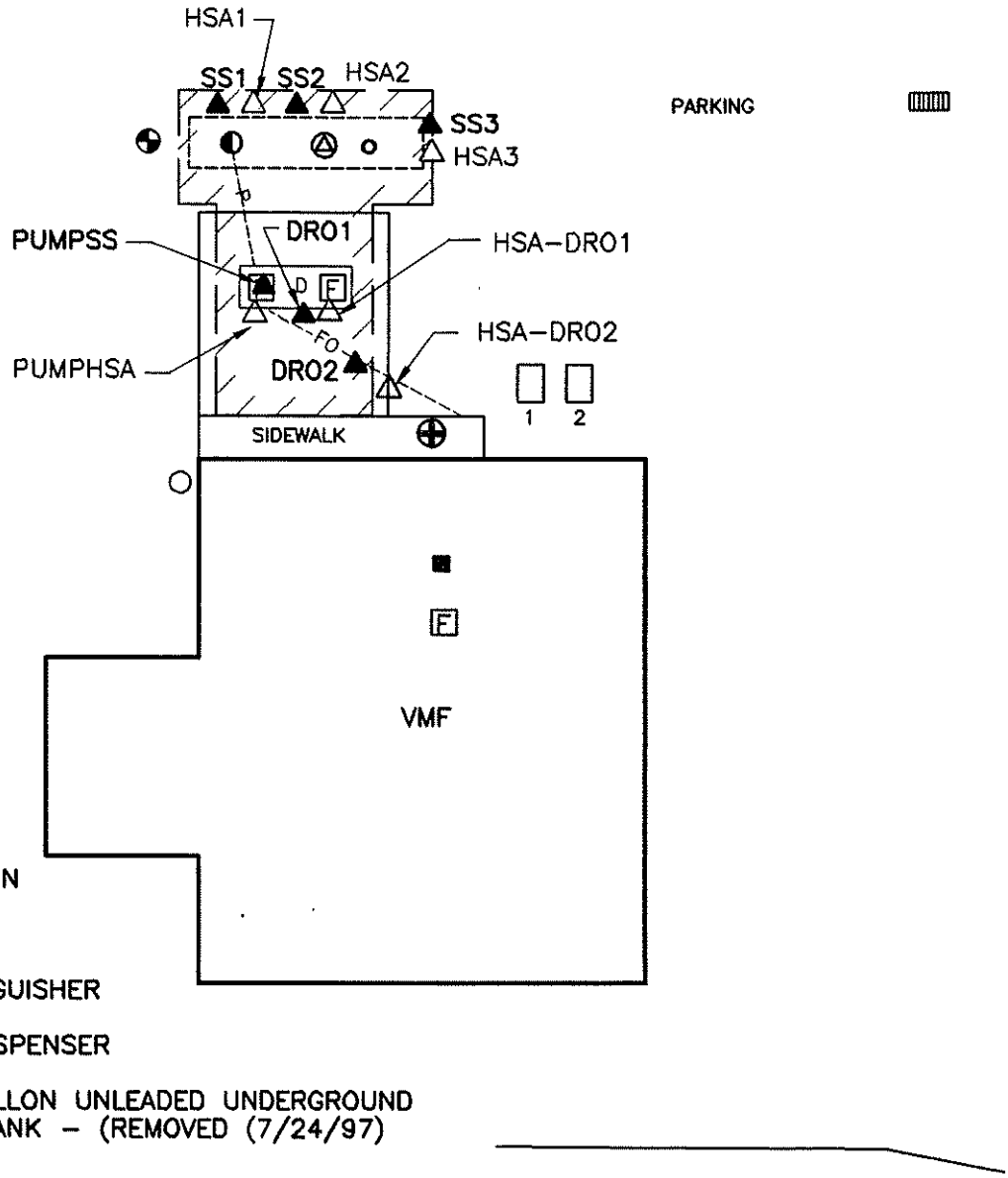
GREEN BAY WEST, WISCONSIN

FIGURE 1
SITE LOCATION MAP

USPS-VMF/GREEN BAY
300 PACKERLAND DRIVE
GREEN BAY, WISCONSIN

DPRA

PROJECT NO. 5471.056



LEGEND

- CATCH BASIN
- FENCE
- FIRE EXTINGUISHER
- FORMER DISPENSER
- 12,000-GALLON UNLEADED UNDERGROUND STORAGE TANK - (REMOVED (7/24/97)
- FORMER OBSERVATION WELL
- MANWAY SUMP
- INTERSTITAL PORT
- AUXILLARY PORT
- FILL PORT
- VENT PIPE
- SPILL EQUIPMENT
- EMERGENCY SHUT-OFF
- ------P----- PRODUCT LINE
- ---- FO ----- FUEL OIL LINE
- EXCAVATION LIMITS
- SOIL SAMPLE
- SOIL VAPOR SAMPLE

30 0 30

SCALE IN FEET

ABOVEGROUND STORAGE TANK IDENTIFICATION

1. 280-GALLON MOTOR OIL
2. 280-GALLON WASTE OIL

NOTE:

A. APPROXIMATE BUILDING AND UTILITY LOCATIONS. CALL LOCAL UTILITY OPERATOR TO VERIFY UTILITIES BEFORE STARTING ANY SUBSURFACE WORK.

B. UNDERGROUND STORAGE TANK ACCESS PORTS NOT DRAWN TO SCALE.

H5671056D.DWG

FIGURE 3
EXCAVATION MAP

USPS-GREEN BAY VMF
300 PACKERLAND DRIVE
GREEN BAY, WISCONSIN

DPRA

AUGUST 22, 1997

PROJECT NUMBER: 5471.056

LIST OF TABLES

TABLE 1 - PID MEASUREMENTS
TABLE 2 - NONAQUEOUS ANALYTICAL RESULTS
TABLE 3 - AQUEOUS ANALYTICAL RESULTS

TABLE 1

PID MEASUREMENTS

USPS Green Bay VMF Post Office
300 Packerland Drive
Green Bay, Wisconsin

Soil Sample	Soil Sample Location	Date Measured	Sample Depth (feet)	PID Readings (ppm)
HSA1	Northwest corner	07/24/97	9	ND
HSA2	North sidewall	07/24/97	9	ND
HSA3	East sidewall	07/24/97	9	ND
PUMPHSA	Under dispenser	07/24/97	3	ND
HSA-DRO1	Under fuel line piping	07/24/97	3	ND
HSA-DRO2	Under fuel line piping	07/24/97	3	ND

ND = no detection
ppm = parts per million

TABLE 2

NONAQUEOUS ANALYTICAL RESULTS

USPS Green Bay VFW Post Office
300 Packerland Drive
Green Bay, Wisconsin

Sample	Date Sampled	Depth feet	GRO mg/kg	DRO mg/kg
SS1	07/24/97	9	<5.0	-
SS2	07/24/97	9	<5.0	-
SS3	07/24/97	9	<5.0	-
PUMPSS	07/24/97	3	<5.0	-
DRO1	07/24/97	3	-	<5.0
DRO2	07/24/97	3	-	<5.0

- = Not Analyzed
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
mg/kg = Milligrams per kilogram which is equivalent to parts per million (ppm)

TABLE 3

AQUEOUS ANALYTICAL RESULTS

Green Bay VMF Post Office
300 Packerland Drive
Green Bay, Wisconsin

Sample	Date Sampled	GRO µg/l
GW-1	07/24/97	<50.0

GRO = Gasoline Range Organics
µg/l = Micrograms per liter which is equivalent to parts per billion (ppb)

APPENDIX A

DPRA's FIELD PROCEDURES

FIELD METHODS AND PROCEDURES

1.0 Standard Penetration Soil Sampling

Soil samples are obtained from soil borings advanced with a hollow-stem auger (HSA). Soil sampling is conducted in general accordance with ASTM: D 1586-84. Using this procedure, a two-inch O.D. split-barrel sampler is lowered down the HSA and driven into the soil by a 140-pound weight falling 30 inches. After an initial set of 6 inches, the sampler is driven an additional 12 to 18 inches to obtain a representative soil sample and is then retrieved. The number of blows required to drive the sampler the additional 12 inches is known as the penetration resistance or N value. The N value is an index of the relative density of cohesionless soils and the consistency of cohesive soils.

2.0 Decontamination of Drilling Equipment

Downhole drilling equipment and associated tools are steam cleaned prior to the start of project work. Steam-cleaned drilling equipment is used for each soil boring. The split-barrel sampler also is cleaned between samples to minimize cross-contamination. The cleaning procedure consists of scrubbing the sampler with a brush in a soap-and-water solution followed by one or two tap water rinse. The soap-and-water solution is changed regularly during the sampling. Fluids used in on-site cleaning of the split-barrel sampler and drilling equipment are disposed of at the site.

3.0 Soil Classification

As the samples are obtained in the field, they are visually and manually classified by a DPRA representative in general accordance with ASTM: D 2488-84. Representative portions of the samples are then returned to DPRA's office in the event there is need for further examination and verification of the field classification. The classification of soil boring samples, soil boring depths, identification of the various strata, the N value, water level information, and pertinent information regarding the method of maintaining and advancing the drill holes are

recorded on boring logs. Charts describing the soil classification procedure, the descriptive terminology, and symbols used on the boring logs are included with the logs.

4.0 Soil Organic Vapor Monitoring

Soil samples are screened for organic vapors with a photoionization detector (PID) equipped with either a 10.2 or 11.7 eV lamp, as specified in the appropriate agency guidance document. The PID is calibrated for a direct equivalent reading of parts per million benzene. Organic vapor concentrations are recorded using the jar headspace method. Under favorable conditions, organic vapor concentrations may also be recorded by placing the PID probe within 1 to 2 inches of a fresh soil surface. During cold weather, PID headspace readings are taken in a heated space.

5.0 Soil Sampling for Chemical Analysis

Soil samples submitted for chemical analysis are collected using decontaminated sampling tools. Soil samples are placed in laboratory-cleaned jars with Teflon™-lined lids, preserved as specified in appropriate state agency analytical guidance and stored in a chilled container during shipment to the analytical laboratory. Where required, trip blanks are transported with the samples. The sample bottles are labeled with the work order number, location number, date sampled, and initials of the individual sampler. A chain-of-custody form is completed and accompanies the samples to the laboratory. Upon arrival at the laboratory, the samples are checked in and signed over to the appropriate laboratory personnel. A copy of the chain-of-custody form is retained and returned to the DPRA Project Manager.

6.0 Groundwater Level Measurements

Groundwater level measurements are obtained using an electronic measuring tape equipped with a probe which emits a signal when in contact with water. Measurements are obtained by lowering the probe into a well or sump and recording the depth of the probe when the electric signal

indicates contact with water. Measurements are referenced to the top of the monitoring well riser pipe, or ground surface at the sump, and recorded to the nearest 0.01 feet. The manufacturer's reported accuracy for the instrument is 0.04 feet.

7.0 Well Development

Wells are developed after installation and prior to sampling to restore natural hydraulic conductivity and remove sediments to reduce well-water turbidity. Wells are developed by extracting up to 30 well volumes from each well to reduce turbidity from native silt, clay, and/or drilling fluid. The well volume is determined by measuring the length of the column of water present in the well and calculating the volume of the water column.

8.0 Groundwater Sampling for Chemical Analysis

Groundwater samples from monitoring wells are obtained using either stainless steel or single-use disposable PVC bailers equipped with bottom-closing ball-check valves. Stainless steel bailers are cleaned in a soapy water wash, a tap-water wash and a distilled water rinse between samples. Clean stainless bailers are shipped to the field wrapped in aluminum foil. Distilled water blanks are analyzed when stainless bailers are used. Single-use PVC bailers are transported in the factory wrapping. A single-use PVC bailer is used to stabilize and sample a well. PVC bailers are recycled at a commercial recycling facility.

Prior to sampling, each monitoring well is stabilized to introduce fresh groundwater into the well. The monitoring well is stabilized by removing water from the well with the bailer on a decontaminated pumping device. A minimum of three monitoring well water volumes are evacuated prior to sample collection where suitable groundwater recharge occurs. Water level measurements are recorded prior to stabilization.

Groundwater samples are collected in laboratory-cleaned glass containers with Teflon™ septa.

Appropriate preservation techniques are used as required by the laboratory or specified in state agency analytical guidelines. The sample bottles are labeled with the work order number, location number, date sampled, and initials of the individual sampler. A chain-of-custody form is completed and accompanies the samples to the laboratory. Upon arrival at the laboratory, the samples are checked in and signed over to the appropriate laboratory personnel. A copy of the chain-of-custody form is retained and returned to the DPRA Project Manager.

9.0 Air Sampling

Air flow of the emissions from remediation systems and field tests is measured through a sampling port with a hot-wire anemometer. System vacuum is measured at the manifold, at vapor port wellheads, and at sampling ports with a magnehelic vacuum gauge. Air samples of remediation system emissions are obtained using a portable air sampling pump and NIOSH approved charcoal sampling tubes. The charcoal tubes are connected to a sampling port on the exhaust stack and the exhaust air is pumped through the tubes at a designated rate by the portable sampling pump. Air flow is measured through a sampling port with a hot-wire anemometer. After completion of the sampling, the charcoal tubes are capped, labeled, and submitted with a chain-of-custody form for chemical analysis. The sampling and analytical procedure is conducted in general accord with EPA method 18.

10.0 Dissolved Oxygen Measurement

The dissolved oxygen content of the groundwater is measured with a dissolved oxygen meter. The dissolved oxygen meter is equipped with a probe utilizing a cathode covered by a membrane permeable only to oxygen. The probe is immersed below the water table, then raised and lowered at a rate of one ft/sec for 30 seconds to keep a constant moving water surface in contact with the cathodic membrane. The meter records the dissolved oxygen content in mg/l and the groundwater temperature.

11.0 Surveying

Elevations are measured using a transit-mounted automatic level. Elevations are recorded to the nearest 0.1 feet for soil boring surface elevations and 0.01 feet for monitoring wells top-of-riser elevations.

12.0 Bore Hole and Well Abandonment

Soil borings not intended for monitoring well construction are abandoned upon completion and in accordance with State well regulations. Groundwater monitoring wells are abandoned when they are no longer needed for sampling or monitoring purposes. Abandonment of wells and soil borings in contaminated zones generally involves filling the bore hole or well casing with either bentonite chips, granules or neat cement grout, as outlined in the appropriate state well codes. Soil borings in which no contamination is encountered are abandoned by filling with a mixture of drill cuttings and bentonite chips or granules or a neat cement grout.

13.0 Disposal of Drill Cuttings

Contaminated soils removed from the soil borings are disposed of off-site in a manner consistent with current state agency guidelines.

14.0 Hydraulic Conductivity Testing

If the hydraulic conductivity of an aquifer cannot be accurately referenced from a published hydrogeologic source, the in-situ aquifer characteristics in the vicinity of monitoring wells are measured using slug tests. The slug test involves:

1. displacing water with a stainless steel rod (the slug);

2. allowing the water level to equilibrate;

3. quickly withdrawing the slug and measuring the subsequent rise of water in the well.

Water levels are measured with a fast response, high precision pressure transducer which measures water levels to 0.01 feet. Water level data is compiled by an automatic data recorder which measures water levels as the well is recharged by the aquifer.

Reduction of the slug test data and calculation of a hydraulic conductivity value is performed using the AQTESOLV program, developed by Geraughty & Miller Modeling Group.

15.0 Potential Receptor Surveys

Groundwater receptor surveys are conducted to assess the risk of impact to water-supplies, within a specified radius of the project site. Availability of municipal water supplies and the location, construction, depth and use of public and private water wells are reviewed.

Investigation results and site conditions are reviewed in order to assess the risk of vapor impacts to nearby basements or utilities. If there is a risk of vapor impact, a vapor survey is conducted. Explosimeter and PID readings are recorded in accessible utility manholes up and down gradient from the site. Water or sewage samples are observed for petroleum sheen and petroleum odors. Water or sewage samples are submitted for laboratory analysis if a petroleum impact is indicated by PID or explosimeter screening. Basements are screened with an explosimeter and a PID. Basement screening is directed toward sumps, sewer drains, cracks in the foundation and any other potential entry ways for petroleum vapors.

APPENDIX B

LABORATORY REPORT
AND
CHAIN OF CUSTODY FORM

U.S. FILTER

UNITED STATES FILTER CORPORATION

DPRA, Incorporated
W134N4981 Campbell Dr.
Menomonee Falls, WI 53051

CUST NUMBER: 5471.056
SAMPLED BY: Client
DATE REC'D: 07/26/97
REPORT DATE: 08/12/97
PREPARED BY: GC
REVIEWED BY:

Attn: Sara Remus

Modified Diesel Range Organics (DRO)
Parameter # 78919

	Reporting Limit	DRO	Qualifiers	Date Ext	Date Analyzed	Analytical No.
DRO #1-PUMP	5.0	X	SL	07/28/97	08/01/97	11940
DRO #2-BLDG	5.0	X		07/28/97	08/01/97	11941

Units mg/kg

Results calculated on a dry weight basis.
Reporting Limit is adjusted for dilution.

Qualifiers: Only above indicated qualifiers apply.

(D1) The chromatogram is characteristic for a fuel oil/diesel. (i.e. #1 or #2 Diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
(D2) The chromatogram is not characteristic for diesel. It has the characteristics of a product which has significant peaks within the DRO window.
(D2A) The chromatogram is characteristic for a light petroleum product (i.e. gasoline, aged or degraded gasoline, mineral spirits, etc.)
(D2B) The chromatogram is characteristic for a heavier petroleum product other than diesel (i.e. motor oil, hydraulic oil, etc.)
(D3) The chromatogram is not characteristic for diesel or any single common petroleum product.
(D4) The chromatogram contained significant peaks outside the DRO window.
(D5) The chromatogram contained significant peaks and a raised baseline outside the DRO window.

The entire area within the DRO window was quantitated.
(SL) Surrogate recovery was low. Result for sample may be biased low.

The replicate spike recovery of this batch of samples was found to be 77.2% and 77.6%.

U.S. FILTER

UNITED STATES FILTER CORPORATION

DPRA, Incorporated
W134N4981 Campbell Dr.
Menomonee Falls, WI 53051

CUST NUMBER: 5471.056
SAMPLED BY: Client
DATE REC'D: 07/26/97
REPORT DATE: 08/12/97
PREPARED BY: C&V
REVIEWED BY:

Attn: Sara Remus

Modified Gasoline Range Organics (GRO)
Parameter # 78920

	Reporting Limit	GRO	Qualifiers	Date Analyzed	Analytical No.
PUMP	5.0	X		08/05/97	11936
SS#1	5.0	X		08/05/97	11937
SS#2	5.0	X		08/05/97	11938
SS#3	5.0	X		08/05/97	11939

nits mg/kg
NA = Not Analyzed.

Results calculated on a dry weight basis.
Reporting Limit is adjusted for dilution.

Qualifiers: Only above indicated qualifiers apply.

(G1) The chromatogram is characteristic for gasoline.
(G2) The chromatogram has characteristics of an aged gasoline sample.
(G3) The chromatogram is not characteristic for either gasoline or aged gasoline. However, it has a reportable concentration of peaks/area within the GRO window.
(G4) The chromatogram contains a single compound which accounts for most of the GRO result.
(G5) The chromatogram contains a significant number of peaks outside the GRO window.
(G6) The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
(G7) The chromatogram is characteristic for gasoline, however either additional peaks are present or PVOC peaks are not proportional to gasoline, indicating the presence of additional compounds.
(G8) The chromatogram is characteristic for aged gasoline, however either additional peaks are present or PVOC peaks are not proportional to aged gasoline indicating the presence of additional compounds.

The entire area within the GRO window was quantitated.

The replicate spike recovery of this batch of samples was found to be 93.1% and 97.1%.

U.S. FILTER

UNITED STATES FILTER CORPORATION

DPRA, Incorporated
W134N4981 Campbell Dr.
Menomonee Falls, WI 53051

CUST NUMBER: 5471.056
SAMPLED BY: Client
DATE REC'D: 07/26/97
REPORT DATE: 08/12/97
PREPARED BY: CC
REVIEWED BY:

Attn: Sara Remus

Modified Gasoline Range Organics (GRO)
Parameter # 78920

	Reporting Limit	GRO	Qualifiers	Date Analyzed	Analytical No.
GW#1	50.0	X		07/31/97	11942

Units µg/l

Qualifiers: Only above indicated qualifiers apply.

(G1) The chromatogram is characteristic for gasoline.
(G2) The chromatogram has characteristics of an aged gasoline sample.
(G3) The chromatogram is not characteristic for either gasoline or aged gasoline. However, it has a reportable concentration of peaks/area within the GRO window.
(G4) The chromatogram contains a single compound which accounts for most of the GRO result.
(G5) The chromatogram contains a significant number of peaks outside the GRO window.
(G6) The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
(G7) The chromatogram is characteristic for gasoline, however either additional peaks are present or PVOC peaks are not proportional to gasoline, indicating the presence of additional compounds.
(G8) The chromatogram is characteristic for aged gasoline, however either additional peaks are present or PVOC peaks are not proportional to aged gasoline indicating the presence of additional compounds.

The entire area within the GRO window was quantitated.

The replicate spike recovery of this batch of samples was found to be 93.7% and 97.1%.

U.S. FILTER

UNITED STATES FILTER CORPORATION

Sample Receipt Report

Client: DPRA Date Received: 7/31/97

Analytical No.: 1936 Through 1942

Check all deviations from EPA or WDNR sample protocol.

[ ] Sample(s) received at ____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace. Explain: _____

[ ] Sample(s) received in bottles not furnished by Enviroscan. Preservation method, if used, is unknown.

[ ] Sample(s) not properly preserved per EPA/WDNR protocol for the following: _____

[ ] Sample(s) received beyond EPA holding time for: _____

[ ] Sample date/time not supplied by client. Actual holding time unknown.

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) are < 19.5 gms and this report is the flag for that information. Sample(s) under-weight: _____

[ ] GRO/PVOC/VOC (circle appropriate) sample(s) were between 26.4-35.4 gms so methanol was added in a 1:1 ratio. Sample(s) included: _____

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) were > 35.4 gms and are required to be rejected. Sample(s) included: _____

[ ] Other: _____

Client contact concerning the above deviations:

Client DPRA Remus (contact name) notified of the above deviation(s) on 7/31/97 at 3:45 am/pm by Cindy Killgore (signature) and the client ordered:

[ ] Proceed with analyses as ordered.

[ ] Proceed with analyses after taking the following corrective action: _____

[X] Do NOT proceed with analyses. cancel pick

DPRA Incorporated — **CHAIN OF CUSTODY**

PROJECT NUMBER: 5471.056

Project Name: USPS/VMF - Green Bay

Address: Green Bay, WI

SAMPLER(S): NAME (Print): Sara Remus

Signature: Sara Remus

LABORATORY NAME/LOCATION: US Filter, Rothschild, WI

SAMPLE I.D.	DATE	TIME	SAMPLE LOCATION	NUMBER OF CONTAINERS	TYPE OF SAMPLE: (S) SOIL; (W) WATER; (A) AIR; (O) OTHER	GRO	PVOC	DRO				REMARKS
Pump	7/24/97	9:25	pump island	2	S	X	X					18011936
SS#1	↓	1:00	W tank end (to N.)	2	S	X	X					18011937
SS#2	↓	1:05	Mid tank (to N)	2	S	X	X					18011938
SS#3	↓	1:10	E tank End (to E)	2	S	X	X					18011939
DRO #1 - pump	↓	9:45	~10' from island	2	S			X				18011940
DRO #2 - bldg	↓	10:10	~5' from bldg	2	S			X				18011941
GW#1	↓	1055	groundwater	2	W	X	X					18011942

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Sara Remus	7/25/97 10am	Dunham Express			

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Remarks
			On Ice

DPRA INCORPORATED
W134 N4981 CAMPBELL DRIVE
MENOMONEE FALLS, WI 53051
(414) 783-7048
FAX (414) 783-4221

Report to: Sara Remus, DPRA, Inc, Menomonee Falls, WI

Invoice to: USPS, c/o DPRA, Inc

Distribution: White - Accompanies Shipment; Pink - Project File; Yellow - Laboratory

APPENDIX C

TANK INVENTORY FORM (SBD-7437)

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

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

For Office Use Only:
Tank ID # 05040085 9

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum of regulated substances. 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.

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

Fire Department Providing Fire Coverage Where Tank Located: Green Bay

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: GMF/VMF Green Bay
Site Address: 300 Packerland Dr.
Site Telephone No. ( )
☒ City: Green Bay ☐ Village ☐ Town of:
State: WI Zip Code: 54303-9998 County: Brown

2. Owner Name (mail sent here unless indicated otherwise in #3 below): U.S. Postal Serv. Milwaukee District
Owner Mailing Address (mail sent here unless indicated otherwise in #3): 5050 S. Second St., P.O. Box 37740
☒ City: Milwaukee ☐ Village ☐ Town of:
State: WI Zip Code: 53237-0740 County: Milwaukee

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): 1-1-1984
5. Tank Capacity (gallons): 12,000
6. Tank Manufacturer's Name (if known):

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
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
8. ☐ 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: DRAINS into U.S.T
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.

Tank Closed, Give Date (mo/day/yr): 7-24-97
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): JOSEPH E STOLL U.S. POSTAL SERVICE
Indicate Whether: ☐ Owner or ☒ Operator

Signature of Owner or Operator:
Date Signed: 7/24/97

APPENDIX D

CHECKLIST FOR UNDERGROUND TANK CLOSURE (SBD-8951)

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: GMF/VMF Green Bay
Site Street Address (not P.O. Box): 300 Packerland Dr.
☐ City ☐ Village ☐ Town of: Green Bay
State: WI | Zip Code: 54303-9998 | County: Brown

2. Owner Name: U.S. Postal Service Milwaukee District
Owner Street Address: 5500 S. Second St., P.O. Box 37740
☒ City ☐ Village ☐ Town of: Milwaukee | State: WI | Zip Code: 53237-0740
County: Milwaukee | Telephone No. (include area code): ( )

3. Closure Company Name (Print): North Shore Env. Const., Inc.
Closure Company Street Address: N117 W18493 Fulton Dr.
Closure Company Telephone No. (include area code): (414) 255-4468
Closure Company City, State, Zip Code: Germantown, WI 53022

4. Name of Company Performing Closure Assessment: DPRA, Inc.
Assessment Company Street Address, City, State, Zip Code: E-1500 First Nat. Bank Bld. 332 Minnesota St., St. Paul, MN 55101
Telephone # (include area code): (414) 783-7046 | Certified Assessor Name (Print): Sara Getting Remus | Assessor Signature: [signature] | Assessor Certification No.: 242781

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1. 050400859	☒	☐	☐	12,000	03	☒ 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) _____ _____ _____; 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) _____	☐ 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.	☒ Y ☐ N	☑	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.			
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
Steven M. Stande	[signature]	01855	7-24-97

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
Karl F. Beaster	Karl F. Beaster	II 20007

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
0504	1800 422 5220	7/24/97

OWNER

APPENDIX E

DISPOSAL DOCUMENTATION

CONTAINS HAZARDOUS MATERIALS

THIS MEMORANDUM

is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

Carrier's No. _____

CARRIER: North Shore Environmental Construction, Inc. SCAC

Date 7/25/97

TO:
Consignee Ridgeview Landfill
Street P O Box 227
Destination Whitelaw, WI 54247 Zip

FROM:
Shipper GMF/VMF Green Bay
Street 300 Packerland Drive
Origin Green Bay, WI 54303-9998 Zip

Route:

Vehicle Number

U.S. DOT Hazmat Reg. No.

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		Clean, cut & scrap 1-12,000 gal.						
		Single Wall Fiberglass gas						
		Underground Storage Tank	N/A					

Remit C.O.D. to:
Address:
City: State: Zip:

C.O.D. Amt: $ N/A

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

Where the applicable tariff provisions specify a limitation of the carrier's liability (NMFC Item 172), if there is no release or value declaration by the shipper, and the shipper does not declare a value or release the carrier's liability, that liability shall be limited to the extent provided by NMFC Item 172. California intrastate shipments must comply with NMFC Item 173.

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED N/A

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER:
PER:
DATE:
EMERGENCY RESPONSE
TELEPHONE NUMBER: ( )

CARRIER: North Shore Environmental Construction, Inc.
PER: Keith Hitzke "Keith Hitzke, President
DATE: 7/25/97

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

25690

STRAIGHT BILL OF LADING – SHORT FORM – ORIGINAL – NOT NEGOTIABLE

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Original Bill of Lading

FROM / AT
GMF/VMF GREENBAY POST O
300 PACKERLAND DRIVE
GREEN BAY WI 54303

DATE 10/16 1997

SHIPPER'S NO. MILWAUKEE SOLVENTS
B/L 191216
CARRIER'S NO.

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. If on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariffs if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariffs which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(MAIL OR STREET ADDRESS OF CONSIGNEE—FOR PURPOSES OF NOTIFICATION ONLY.)

CONSIGNED TO AND DESTINATION
MILWAUKEE SOLVENTS
N59 W14776 BOBOLINK AVE.
MENOMONEE FALLS, WI 53051

ROUTE

Delivering Carrier SAME

OTHER CARRIER

CAR OR VEHICLE INITIALS AND NO.

MILWAUKEE SOLVENTS

NO. OF SHIPPING UNITS	H.M.	KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	*WEIGHT (SUBJECT TO CORR.)	CLASS OR RATE	CHECK COLUMN
1 dr		AJ RQ WASTE GASOLINE 3 UN1203 (D001) PG II			
55gal		approval# 080197E			
		EMER RESP PH #: (414) 255-4468 ALERG# 128			

Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Per _____ (Signature of Consignor)

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Prepaid $ _____
To apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

COD. TO BE COLL. FOR (ABOVE)

C.O.D. AMOUNT $

C.O.D. CHARGE TO BE PAID BY SHIPPER ☐ CONSIGNEE ☐

RECEIVED, subject to the classifications and lawful tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated above, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariffs if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariffs which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE – Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

THIS SHIPMENT IS CORRECTLY DESCRIBED.

CORRECT WEIGHT IS _____

Shipper: S. Sanchez U.S.P.S. Agent: Pam Hall

Per 10-16-97 Per: mlaster 10-16-97

Permanent post office address of shipper