

**UNDERGROUND STORAGE  
TANK CLOSURE/IMPACT  
ASSESSMENT AND  
REMEDATION PROGRAM**

**DOVER STREET SCHOOL  
MILWAUKEE, WISCONSIN**

November 5, 1993

**UNDERGROUND STORAGE TANK  
CLOSURE/IMPACT ASSESSMENT AND  
REMEDIATION PROGRAM**

**DOVER STREET SCHOOL  
MILWAUKEE, WISCONSIN**

November 5, 1993

Prepared For:

Mr. Thomas Chojnacki  
Milwaukee Public Schools  
1124 North 11th Street  
Milwaukee, Wisconsin

Prepared By:

Northern Environmental Technologies, Incorporated  
1214 West Venture Court  
Mequon, Wisconsin 53092

Project Number MPS131101

  
\_\_\_\_\_  
John R. Jansen, C.P.G., R.Gp.  
Director of Geosciences

  
\_\_\_\_\_  
Gary S. Graham  
Senior Project Manager

  
\_\_\_\_\_  
John J. Lund  
Hydrogeologist II

GSG/dmw

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## 1.0 EXECUTIVE SUMMARY

On April 13, 1993, one number two fuel oil underground storage tank was removed from the Dover Street School, 619 East Dover Street, Milwaukee, Wisconsin. Milwaukee Public Schools contracted Northern Environmental Technologies, Incorporated to perform the underground storage tank closure assessment in conformance with Wisconsin Department of Natural Resources (WDNR) and Wisconsin Department of Industry, Labor, and Human Relations (WDILHR) regulations.

The underground storage tank (UST) was located under an asphalt area southeast of the school boiler room. The UST was in generally good condition with no apparent holes and only minor surficial corrosion and pitting of the exterior surface. Strong petroleum odors, soil discoloration, and elevated photoionization detector responses were apparent during UST removal. Consequently, the WDILHR requirements for a "clean" closure could not be fulfilled. In accordance with the Wisconsin Spill Law, the suspected release was reported to the WDNR and remedial activities were initiated.

Excavation and disposal of fuel oil contaminated soil was the selected remedial alternative. Excavation was initiated and completed on April 13, 1993. Excavating was terminated when field screening indicated that all accessible fuel oil contaminated soil was removed. Contaminated soil was temporarily stockpiled on asphalt and covered with plastic sheeting at an off-site location pending approval for disposal at a WDNR-approved landfill. Landfill approval was obtained and contaminated soil was transported to the Hechimovich Sanitary Landfill, Inc. on August 17 and 18, 1993. A total of 70 tons of contaminated soil was disposed at the landfill.

Soil samples were collected from the walls and floor of the final excavation to document the results of remedial action. Laboratory analysis of samples from the north, east, south and west walls and north floor of the final excavation did not detect diesel range organic compounds above the method detection limit of 10 milligrams per kilogram. Analysis of soil samples collected from the south floor of the excavation indicate residual soil contamination remains in a small area at a concentration of 24 milligrams per kilogram DRO. The residual concentration exceeds the WDNR guidance limit of 10 parts per million, however, the low permeability of the native sediments will minimize contaminant migration and the residual contamination should naturally attenuate through biodegradation over a period of time. Since ground water did not enter the excavation, and the native sediment surrounding the underground storage tank excavation is relatively impermeable clay, ground water is not believed to be impacted by this release. Therefore, it is believed that the fuel oil release has been remediated to the extent practicable, and no further remedial work is recommended.

## 2.0 INTRODUCTION AND BACKGROUND INFORMATION

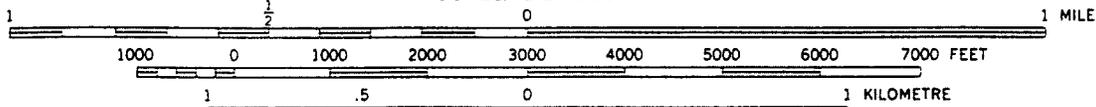
Dover Street School is located in the northwest quarter of the southeast quarter of Section 9, Township 6 North, Range 22 East in the City of Milwaukee, Milwaukee County, Wisconsin (42 degrees, 59 minutes, 48 seconds north latitude, 87 degrees, 54 minutes, 05 seconds west longitude [Figure 1]). The street address is 619 East Dover Street, Milwaukee, Wisconsin. Dover Street School will be referred to as "the Property" in the remainder of this report.

Northern Environmental was retained by Milwaukee Public Schools (MPS) to observe the removal and conduct a closure assessment for one 7500-gallon number two fuel oil underground storage tank (UST) (Wisconsin Department of Industry, Labor, and Human Relations (WDILHR) tank ID number 40201-2925) at the Property. MPS contracted TJ Environmental Contractors (TJ) (6131 North 84th Street, Milwaukee, Wisconsin 53225, WDILHR certification No. 00901) to remove and dispose of the UST per WDILHR requirements (References 1 and 2). The UST had reportedly been taken out of service and cleaned in-place by TJ in 1991 under separate contract to MPS (Reference 3). Northern Environmental was not present during UST cleaning.

Soil contamination was discovered during the UST removal and remedial action was necessary to mitigate the effects of the release and comply with the Wisconsin Spill Law (Reference 4). A remedial excavation program was immediately undertaken. This report describes UST closure, the investigative and remedial action methods, and the results of remedial activities. Photographs documenting UST removal and remedial activities are available from Northern Environmental upon request.



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS GREENDALE, WISCONSIN 7.5 MINUTE QUADRANGLE

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<b>▲ Northern Environmental</b> Hydrologists • Engineers • Geologists			

### 3.0 DESCRIPTION OF PROJECT PROCEDURES

#### 3.1 UST Closure and Soil Sampling

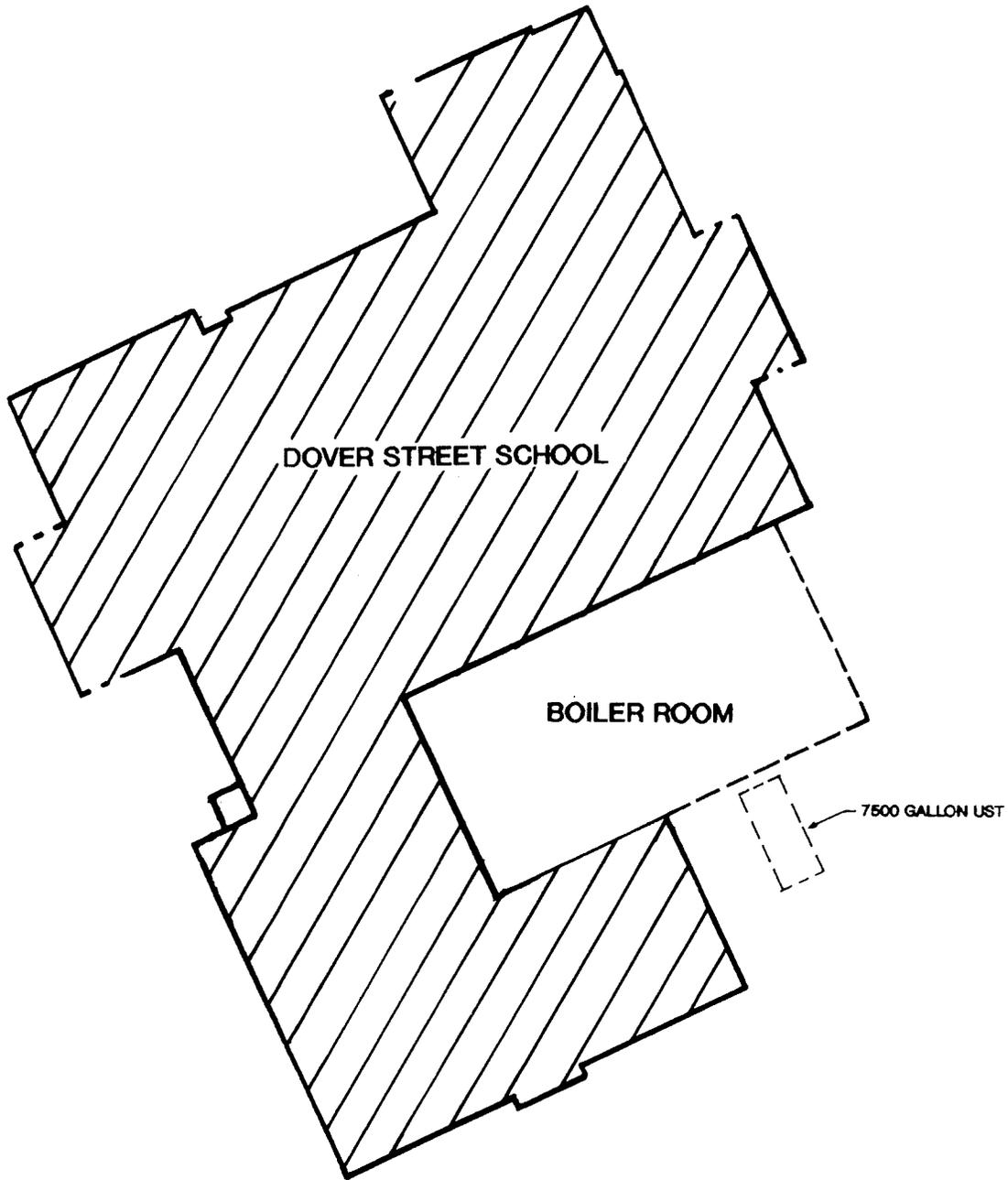
The UST was removed by TJ Environmental on April 13, 1993. The weather during UST removal consisted of partly cloudy skies and temperatures ranging between 40°F and 50°F. The center of the UST was located approximately 12.7 feet southeast of the school boiler room (Figure 2). A Northern Environmental hydrogeologist, holding WDILHR certification as site assessor, was present to observe removal and conduct the UST closure assessment. Documentation of site assessor certification is included in Appendix A. Prior to removal, approximately 3,300 gallons of water, which had apparently accumulated in the UST since cleaning, was pumped from the UST into a tanker for analysis and proper disposal by TJ. The UST was removed, and placed on the surface for visual inspection by a Northern Environmental hydrogeologist. The UST was inspected for structural condition and signs of leakage. Following the inspection, the UST was removed from the site by TJ for proper disposal. A copy of the updated WDILHR UST inventory form reflecting UST closure is included in Appendix B. UST disposal documentation is included in Appendix C.

During the UST removal, a Northern Environmental hydrogeologist examined in-place and excavated soil for the presence of released fuel oil. Soil samples were collected from the excavation and field screened for volatile organic compounds (VOCs). Field screening included photoionization detector (PID) headspace screening and evaluation of soil appearance and odor. PID headspace screening consisted of collecting a soil sample in a one pint glass jar, sealing the jar with aluminum foil and a threaded band, and storing the sample in a warm location (> 60°F) for at least one-half hour to allow volatilization of petroleum constituents. The aluminum foil was then punctured with the PID probe and the highest stable PID reading occurring within 10 to 20 seconds was recorded in instrument units as isobutylene (iui). The instrument utilized was a Thermo Environmental Instruments Model 580A Organic Vapor Meter outfitted with a 10.6 eV lamp calibrated for direct response to isobutylene. The PID was field calibrated daily with 251 parts per million (ppm) isobutylene. The PID was factory calibrated October 8, 1992.

Field screening results suggested that petroleum contamination was present in soil surrounding the UST. Consequently, further soil sampling for a "clean" closure per WDILHR requirements was not conducted in lieu of investigative sampling for remedial action. Northern Environmental notified the WDNR of the suspected release by facsimile on behalf of MPS on April 23, 1993 (Reference 5).

#### 3.2 Remedial Excavation

A feasibility study and cost comparison was prepared for MPS by Northern Environmental to evaluate a number of remedial alternatives, including asphalt incorporation, thermal desorption, bioremediation, and landfill disposal (Reference 6). Based on site conditions, and logistical requirements, MPS selected excavation and landfill disposal of contaminated soil as



SCALE IN FEET  
0 25

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<b>▲ Northern Environmental</b> <i>Hydrologists • Engineers • Geologists</i>			DOVER STREET SCHOOL SITE LAYOUT

the most feasible and expeditious method of remediation. To minimize cost and expedite project completion, excavation of contaminated soil was initiated upon discovery and notification of MPS.

At the direction of MPS (Reference 1), contaminated soil was excavated and stockpiled at an offsite MPS location (2977 South 20th Street, Milwaukee) pending selection of a loading/hauling contractor and landfill disposal approval. The contaminated soil was stockpiled at an offsite location to minimize the potential for exposure to children at the Dover Street School. The soil stockpile was placed on asphalt and covered with plastic sheeting to restrict access and prevent contamination at the stockpile site. Soil samples were collected during excavation and field screened to define the vertical and lateral extent of contaminated soil. Excavation was terminated after all accessible fuel oil contaminated soil had been removed as indicated by field screening. A representative sample of contaminated soil was collected and laboratory analyzed for waste characterization parameters to evaluate the various remedial alternatives.

Soil samples were collected from the walls and floor of the final remedial excavation for field screening and laboratory analysis to document the results of remedial activities (Reference 7). The excavation walls were sampled for field screening along vertical profiles with samples collected at two foot intervals. The vertical profile lines were spaced no greater than 20 feet apart. The excavation floor was sampled on an approximate 20 foot grid. A portion of each sample was field screened and a second portion was preserved for possible laboratory analysis. The most impacted soil sample from each wall and floor, based on field screening, was submitted under chain-of-custody to WDNR-certified laboratory (Precision Analytical Laboratory [PAL], 205 West Galena, Milwaukee, Wisconsin 53212, WDNR Certification No. 241369260) and analyzed for diesel range organics (DRO) using the Wisconsin Modified Method (Reference 8).

## 4.0 SUMMARY OF FINDINGS

### 4.1 Physical Setting

#### 4.1.1 Physiography and Cultural Setting

The Property is located approximately three-quarters of one mile west of Lake Michigan in a completely developed residential area of the City of Milwaukee (Figure 1). The land surface is relatively flat and slopes to the east toward Lake Michigan. Surface runoff is largely contained by the municipal storm sewer drainage system. The UST was located under a paved area on the southeast side of the school building (Figure 2).

#### 4.1.2 Geology

The nature and relative position of subsurface units in the vicinity of the Property were determined through review of the existing literature (Reference 9) and through visual inspection of sediment exposed during excavation. The near surface sediment in the vicinity of property consists of glacial till of the Oak Creek Formation. The Oak Creek Formation is characterized as very fine grained silty clay; commonly containing between 80 to 90 percent silt and clay. Glacial till of the Oak Creek formation was deposited during late Wisconsinan time by ice of the Lake Michigan lobe (Reference 9). The glacial till observed in the excavation was yellowish brown silty sand from approximately two to eight feet below the asphalt surface, changing to dark yellowish brown to brown silty clay with some sand to a trace sand from eight to approximately 14 feet below grade. The upper silty sand was medium stiff and moist. The underlying silty clay was stiff and moist. Underlying the silty clay and extending to an unknown depth is a grey, homogenous, very stiff, silty clay. The contacts between all observed units were sharp.

#### 4.1.3 Hydrology

Based on lithologic and grain-size characteristics (Reference 9), glacial till of the Oak Creek Formation is generally characterized by low hydraulic conductivity. Examination of soil samples from the excavation supports this characterization. The location of the water table was difficult to determine during excavation due to the clayey nature of the native sediment, however, ground water did not enter the excavation and therefore is not believed to be impacted by this release. The City of Milwaukee obtains its drinking water supply from Lake Michigan and shallow wells are not typically used for potable water in this area.

### 4.2 UST History, Design, and Condition

The UST was installed in 1972 to store number two fuel oil for heating the school building. The UST was 20 feet long by 8 feet in diameter and was 7500 gallons in capacity. The UST was constructed of 1/4-inch welded steel plates and was asphaltum coated. The UST was taken out of service and cleaned in-place during 1991 (Reference 3). The UST was in good

condition with no apparent holes and only minor surficial corrosion and pitting of the exterior surface. The fill pipe was located directly above the south end of the UST. The product delivery piping consisted of four 3/4-inch diameter copper tubes. The delivery piping appeared to be in good condition with no apparent holes, cracks, or loose fittings. Approximately 3,300 gallons of water was trapped in the UST excavation. The water had a sheen on the surface and a slight fuel oil odor. The water was pumped from the UST excavation and transferred into a tanker for lab analysis and proper disposal by TJ. TJ removed the UST and transported it to Midwest Iron and Scrap for disposal. An updated WDILHR Underground Petroleum Tank Inventory Form reflecting UST closure is included in Appendix B. A copy of the disposal receipt is included in Appendix C.

#### 4.3 Remedial Excavation

To expedite project completion and minimize cost, excavation of contaminated soil was initiated following UST removal on April 13, 1993 and was completed the same day. The final excavation area measured approximately 28 feet long, 15 feet wide, and 14 feet deep (Figure 3). The contaminated soil was temporarily stockpiled off-site at an MPS garage (2977 South 20th Street, Milwaukee, Wisconsin). The contaminated soil was placed on an asphalt parking area and covered with plastic sheeting pending landfill approval. A representative sample of the contaminated soil (DES-SP1) was collected and submitted to PAL for waste characterization analysis to obtain landfill approval. Laboratory analysis results are included in Appendix D and are summarized below.

#### Sample DES-SP1

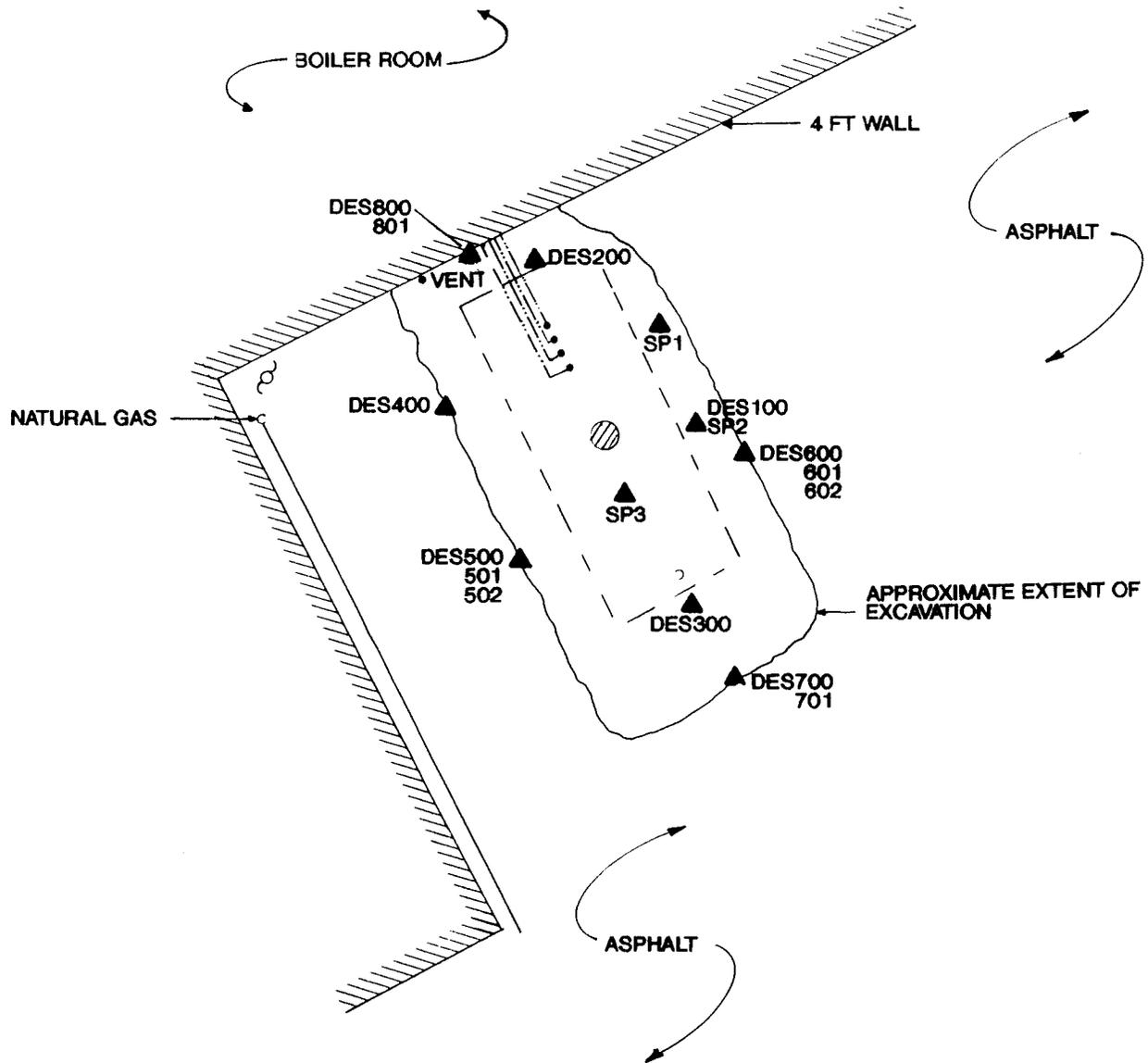
DRO	890 mg/kg
Total BETX	BQL *
Flashpoint	> 210°F
Free Liquids	None
Color	Brown
Layers	One
Odor	Slight
Physical State	Solid

\*BQL = Below Quantification Limit

These results indicate that the contaminated soil is acceptable for disposal as a solid waste in a WDNR-approved landfill. Landfill approval was obtained on August 11, 1993. E&K General Hauling, Incorporated (2905 Paine Avenue, Sheboygan, Wisconsin, WDNR No. 10570) transported 70 tons of contaminated soil to Hechimovich Sanitary Landfill, Incorporated. Copies of the contaminated soil disposal documentation are included in Appendix E.

Eleven soil samples were collected and field screened during remedial excavation to direct removal of contaminated soil. Six confirmatory samples were collected from the walls and floor of the final excavation to confirm the removal of contaminated soil. Soil sample

locations are shown on Figure 3. The confirmatory samples were submitted under chain-of-custody to PAL for laboratory analysis in accordance with WDNR requirements (Reference 7). Confirmatory soil samples collected from the north, east, south, and west walls (DES-800, DES-600, DES-700, and DES-500) and the north floor of the excavation (DES-200) did not contain concentrations of DRO above the method detection limit of 10 mg/kg. DRO concentrations in soil sample DES-300 (floor, south end of UST; 24 mg/kg) was above the 10 ppm guideline for DRO (Figure 3, Table 1). Complete laboratory analysis results and chain-of-custody records are included in Appendix E.



**EXPLANATION**

- ACCESS POINT
- PRODUCT PIPING
- FILL PIPE
- LIGHT POLE
- VENT PIPING
- SOIL SAMPLE LOCATION  
DES300

REV

PROJECT: MPS131101

DATE: 11/05/93

MILWAUKEE PUBLIC SCHOOLS  
MILWAUKEE, WISCONSIN

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DOVER STREET SCHOOL

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EXCAVATION AND SAMPLE LOCATIONS

Table 1 Summary of Field Screening and Laboratory Analysis, Dover Street School, 619 East Dover Street, Milwaukee, Wisconsin

Sample Label	Depth (feet)	Date Collected	PID Headspace Analysis		Laboratory Analysis DHO (m g/kg)	Sample Odor	Sample Description	Sample Location
			Time Collected	Time Analyzed				
SP	2	04/13/93	1020	1127	-	None	Yellowish brown silty sand mixed with gravel fill	East wall; excavated
SP2	5	04/13/93	1335	1430	-	Light Petroleum	Yellowish brown silty sand	East wall; excavated
SP3	6	04/13/93	1410	1528	-	Light Petroleum	Gray gravel (1/2" crushed fill)	Center of excavation; excavated
DES100	5	04/13/93	1455	1541	450	Light Petroleum	Yellowish brown silty sand mottled olive brown and black	East wall; excavated
DES200	14.0	04/13/93	1612	1712	ND	None	Dark gray silty clay	North end UST - Floor
DES300	14.0	04/13/93	1615	1713	24	None	Dark gray silty clay	South end UST - Floor
DES400	12.0	04/13/93	1620	1714	-	None	Dark yellowish brown sand poorly graded	West wall
DES500	8.0	04/13/93	1625	1715	ND	None	Dark yellowish brown silty sand	West wall
DES601	10.0	04/13/93	1630	1718	-	None	Dark gray silty clay	West wall
DES602	12.0	04/13/93	1646	1727	-	None	Brown silty clay, trace sand	East wall
DES600	8.0	04/13/93	1639	1723	ND	None	Contact between dark gray silty clay and yellowish brown silty clay	East wall
DES601	10.0	04/13/93	1642	1725	-	None	Brown silty clay, trace sand	East wall
DES602	12.0	04/13/93	1645	1726	-	None	Dark gray silty clay	East wall
DES700	8.0	04/13/93	1655	1730	ND	None	Yellowish brown silty clay, some sand	South wall
DES701	10.0	04/13/93	1658	1732	-	None	Brown silty clay	South wall
DES800	8.0	04/13/93	1702	1734	ND	None	Yellowish brown silty clay, some sand	North wall
DES801	10.0	04/13/93	1705	1735	-	None	Yellowish brown silty clay, some sand	North wall
DES-SF1	-	07/21/93	0830	-	890	Moderate Petroleum	Heterogeneous yellowish brown to brown silty clay and gravel	Excavated

NOTE:  
iul = instrument units as isobutylene  
ND = Not Detected  
- = Not Analyzed

MFS131101.RPT1TBL1  
November 5, 1993

## 5.0 IMPACT ASSESSMENT

### 5.1 Source, Extent, and Fate of Released Fuel Oil

Information gathered during inspection of the UST system, field screening of soil samples, and from laboratory analyses indicated that a release had occurred from the fuel oil UST system removed from the Property. Because the integrity of the UST and piping system appeared intact, the presence of fuel oil is attributed to overfilling and spills and/or piping joint leakage while the UST system was operational. Vertical and lateral migration of the released fuel oil appeared limited by the low permeability of the native silty sand and silty clay sediments surrounding the UST excavation. Based upon soil appearance, field screening, and laboratory analysis, the majority of accessible soil containing greater than 10 mg/kg of DRO were removed from the Property and disposed in an approved landfill. Minor residual soil contamination (24 mg/kg DRO) remains on the south end of the floor of the excavation.

The City of Milwaukee obtains its water supply from Lake Michigan and supplies potable water to its residents through a pressurized distribution system. Shallow potable water wells are not typically used in this area. The native sediments at the site are relatively impermeable which minimizes migration of contaminants. Ground water did not enter the remedial excavation and is not believed to be impacted by this release. The residual contamination should remain essentially immobile and will likely biodegrade over time. Consequently, present or future impacts from this release and the residual soil contamination are expected to be minimal.

### 5.2 Regulatory Requirements

Remediation guidelines for soil contaminated with volatile organic compounds (VOCs) have been established at 10 ppm (Reference 10). The concentrations of DRO detected in soil at the site during the UST closure and investigative work exceeded this guideline limit, and hence required remediation.

The 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, release 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" (Reference 4). In essence, 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, and in compliance with WDNR regulations and requirements the following actions have been taken:

- The release was reported to the WDNR (Reference 5),
- The known source of released fuel oil was removed,
- The majority of fuel oil contaminated soil was excavated and landfilled, and
- Soil samples were collected and laboratory analyzed to confirm removal of contaminated soil.

## **6.0 CONCLUSIONS AND RECOMMENDATIONS**

The information obtained from this investigation indicates that fuel oil was released to soil surrounding the UST system. Field screening and laboratory analysis results suggest that contamination was confined to the vicinity of the UST and vertical and lateral migration of released fuel oil was limited. Ground water does not appear to have been impacted.

The source of the release has been removed and the bulk of the contaminated soil has been removed and landfilled. Residual soil contamination (24 mg/kg DRO) remains in an isolated area at the base of the excavation. However, because ground water does not appear to have been impacted and the native sediments are relatively impermeable, the residual contamination is not expected to migrate significantly and poses a minimal threat to human health and welfare. The residual fuel oil contamination will likely biodegrade naturally and further active remediation does not appear warranted. Therefore, Northern Environmental believes that the fuel oil release has been remediated to the extent practicable and no further remedial work is recommended.

The results of this study are based upon professional interpretation of the information available to Northern Environmental given the time and budget constraints of this project. Northern Environmental has assumed that the information provided by the cited references is complete and correct. Northern Environmental does not warrant that this report represents an exhaustive study of all possible environmental concerns potentially associated with the site. However, the items investigated as part of this investigation represent likely sources of environmental concern associated with decommissioned UST system, and are consequently believed to adequately address the clients needs at this time.

## 7.0 REFERENCES

- 1) Milwaukee Public Schools-Department of Facilities and Maintenance Services, *Underground Storage Tank Removal, Milwaukee Public Schools, Milwaukee, Wisconsin*, January 1993.
- 2) s. ILHR 10, Wisconsin Administrative Code, *Flammable and Combustible Liquids Code*, April 1991.
- 3) Conversation: Debra Tarnow (Northern Environmental) with Joel Jacobsen (TJ Environmental Services), April 5, 1993.
- 4) s. NR158, Wisconsin Administrative Code, *Contingency Plan for Emergency Actions in Response to the Discharge of Hazardous Substances*, October, 1985.
- 5) Facsimile: John J. Lund (Northern Environmental) to Giselle Red (Wisconsin Department of Natural Resources), LUST Notification, April 13, 1993.
- 6) Letter: Gary S. Graham (Northern Environmental) to Thomas Chojnacki (Milwaukee Public Schools), Evaluation of Soil Remediation Alternatives, June 29, 1993.
- 7) Wisconsin Department of Natural Resources, *Soil Sampling Requirements for LUST Site Investigations and Excavations*, PUBL-SW-127, March, 1991.
- 8) Wisconsin Department of Natural Resources, *Leaking Underground Storage Tank and Petroleum Analytical and Quality Assurance Guidance*, PUBL-SW-130, July 1993.
- 9) Geological and Natural History Survey, *Pleistocene Stratigraphic Units of Wisconsin*, Miscellaneous Paper 84-1, 1984.
- 10) Letter: P. Didier (Wisconsin Department of Natural Resources) to District Directors (Wisconsin Department of Natural Resources), *Practices and Standards for the Management of VOC-Contaminated Soils*, April 18, 1986.

**APPENDIX A**  
**SITE ASSESSOR CERTIFICATION**

# *The State of Wisconsin*

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS  
SAFETY & BUILDINGS DIVISION

## **CERTIFICATION**

The person whose name appears on this certificate has complied with Administrative Rule ILHR 10 and is authorized to engage in the speciality as identified below.

Speciality:	Expiration Date:	Cert. No.:
SA	5/1/94	04193

JOHN J LUND  
2101 CHATEAU CT #111  
GRAFTON WI 53024

**APPENDIX B**

**WDILHR UNDERGROUND PETROLEUM TANK INVENTORY FORM**

# TANK INVENTORY

For Office Use Only:

Tank ID # 40200-2

Information Required By Sec. 102.142, Wis. Stats.

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):			Fire Department Providing Fire Coverage Where Tank Located:	
1A. <input type="checkbox"/> In Use or	1B. <input type="checkbox"/> Newly Installed	4. <input checked="" type="checkbox"/> Closed - Tank Removed	8. <input type="checkbox"/> Changed Ownership	Milwaukee Fire Dept
2. <input type="checkbox"/> Abandoned With Product	6. <input type="checkbox"/> Closed - Filled With Inert Material	(Indicate new owner below)		
3. <input type="checkbox"/> Abandoned No Product (empty) or With Water	7. <input type="checkbox"/> Out of Service - Provide Date: _____			

**A. IDENTIFICATION: (Please Print)**

1. Tank Site Name <u>Lover Street Elementary School</u>	Site Address <u>619 East Dover Street</u>	Site Telephone No. <u>(414) 482-0535</u>
<input checked="" type="checkbox"/> City <u>Milwaukee</u>	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State <u>Wisconsin</u>	Zip Code <u>53207</u>	County <u>Milwaukee</u>

2. Owner Name (mail sent here unless indicated otherwise in #3 below) <u>Milwaukee Public Schools - Facilities and Maintenance</u>	Owner Mailing Address (mail sent here unless indicated otherwise in #3) <u>1124 North 11<sup>th</sup> Street</u>
<input checked="" type="checkbox"/> City <u>Milwaukee</u>	<input type="checkbox"/> Village
State <u>Wisconsin</u>	Zip Code <u>53233</u>
County <u>Milwaukee</u>	

3. Alternate Mailing Name If Different Than #2	Alternate Mailing Street Address If Different From #2
<input type="checkbox"/> City	<input type="checkbox"/> Village
<input type="checkbox"/> Town of:	State
	Zip Code
	County

4. Tank Age (date installed, if known: or years old) <u>1972</u>	5. Tank Capacity (gallons) <u>7500</u>	6. Tank Manufacturer's Name (if known)
---	---	--

**B. TYPE OF USER (check one):**

1. <input type="checkbox"/> Gas Station	2. <input type="checkbox"/> Bulk Storage	3. <input type="checkbox"/> Utility	4. <input type="checkbox"/> Mercantile
5. <input type="checkbox"/> Industrial	6. <input type="checkbox"/> Government	7. <input checked="" type="checkbox"/> School	8. <input type="checkbox"/> Residential
9. <input type="checkbox"/> Agricultural	10. <input type="checkbox"/> Other (specify): _____		

**C. TANK CONSTRUCTION:**

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)
3. <input checked="" type="checkbox"/> Coated Steel	4. <input type="checkbox"/> Fiberglass
5. <input type="checkbox"/> Other (specify): _____	6. <input type="checkbox"/> Reline - Date _____
7. <input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite	8. <input type="checkbox"/> 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. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)	3. <input type="checkbox"/> Coated Steel
4. <input type="checkbox"/> Fiberglass	5. <input checked="" type="checkbox"/> Other (specify): <u>Copper</u>	6. <input type="checkbox"/> 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. <input type="checkbox"/> Diesel	2. <input type="checkbox"/> Leaded	3. <input type="checkbox"/> Unleaded	4. <input checked="" type="checkbox"/> Fuel Oil
5. <input type="checkbox"/> Gasohol	6. <input type="checkbox"/> Other	7. <input type="checkbox"/> Empty	8. <input type="checkbox"/> Sand/Gravel/Slurry
9. <input type="checkbox"/> Unknown	10. <input type="checkbox"/> Premix	11. <input type="checkbox"/> Waste Oil	12. <input type="checkbox"/> Propane
13. <input type="checkbox"/> Chemical *		14. <input type="checkbox"/> Kerosene	15. <input type="checkbox"/> 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): <u>4/16/93</u>	Has a site assessment been completed? (see reverse side for details) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
--	---

If installation of a new tank is being reported, indicate who performed the installation inspection:

1. <input type="checkbox"/> Fire Department	2. <input type="checkbox"/> DILHR	3. <input type="checkbox"/> Other (identify) _____
---	-----------------------------------	--

Name of Owner or Operator (please print): <u>Thomas J. CHOJNACKI</u>	Indicate Whether: <input type="checkbox"/> Owner or <input checked="" type="checkbox"/> Operator
Signature of Owner or Operator: <u>Thomas J. Chojnacki</u>	Date Signed: <u>5-28-93</u>

**APPENDIX C**  
**UST DISPOSAL RECEIPT**

**CONTAINS HAZARDOUS MATERIALS**

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

**STRAIGHT BILL OF LADING  
ORIGINAL - NOT NEGOTIABLE**

Shipper's No. \_\_\_\_\_

CARRIER: T-J Environmental Co. SCAC

Carrier's No. 505  
Date 4-14-93

TO: Midwest Iron + Metal Inc  
Consignee  
Street 6760 N. Industrial Rd  
Destination Milwaukee, WI Zip 53223

FROM: Dover Street School  
Shipper  
Street 619 E. Dover St  
Origin Milwaukee WI Zip 53207

Route: I-43 to Silver Spring to 60th St to Industrial Rd Vehicle Number 505

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (Subject to correction)	RATE	LABELS REQUIRED (or exemption)
1	NA	8,000 gal UST Gas/Vapor Free Bobby Dardinger	Flammable Combustible	1993			Yes

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

**COD Amt: \$**

C.O.D. FEE:  
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 the shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

**FREIGHT CHARGES**  
 PREPAID  COLLECT

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 SUPPLIED** Yes **PLACARDS REQUIRED**  YES  NO - FURNISHED BY CARRIER

**DRIVER SIGNATURE:** \_\_\_\_\_

SHIPPER: Milwaukee Public Schools  
PER: Bobby Dardinger  
DATE: 4-14-93

CARRIER: T-J Environmental  
PER: Bobby Dardinger  
DATE: 4-14-93

EMERGENCY RESPONSE  
TELEPHONE NUMBER: (414) 358-8600

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

**CONTAINS HAZARDOUS MATERIALS**

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

**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.

Shipper's No. \_\_\_\_\_

T-J Environmental Cont (Name of Carrier)

Carrier's No. 515

At 4-20 19 93 From \_\_\_\_\_

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 the usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination if it is mutually agreed, as to each carrier of 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 a rail-water shipment, or (2) in the applicable motor carrier classification or tariff 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 thereof, set forth in the classification or tariff which governs 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.

Consigned to Village of Saukville Wastewater Treatment Facility  
(Mail or street address of consignee—For purposes of notification only)

Destination Saukville State WI County Ozaukee Delivery Address 639 E. Green Bay Ave.  
(To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route 84th st to Mill Rd to 76th to Good Hope Rd to I-43 to Hwy 83

Delivering Carrier T-J Environmental Cont. Car or Vehicle Initials Mack No. 515

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Sub. to Car.)	Class or Rate	Ck. Col.	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.
✓	4,000 gals of Petro contaminated water (Samuel Clemens School MPS)	8pds per gal			(Signature of Consignor)  If charges are to be prepaid, write or stamp here, "To be Prepaid."  Received \$ _____ 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 _____  \$ _____ <small>Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.</small>
✓	1,200 gals of Petro contaminated water (Hampton School MPS)	8pds per gal			
✓	3,300 gals of Petro contaminated water (Dover School MPS)	8pds per gal			
Collect On Delivery and remit to _____		C. O. D. Charge to be paid by { Shipper <input type="checkbox"/> Consignee <input type="checkbox"/>			

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.  
Agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

"This is to certify that the above named articles 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."  
The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

M Waukees Public Schools Shipper, Per Gordon Hardig Bobby Dardinger Agent, Per Ray Schmitt  
Permanent post-office address of shipper, \_\_\_\_\_

*Thouls i. kg.*

CLIENT: TJ Environmental Contractors

Test	Result	Limit	Units	Analyzed	Extracted	BY	Method(SW)
------	--------	-------	-------	----------	-----------	----	------------

Sample ID: TANKWATER

Lab ID: 9304184-01A

Collected: 04/14/93

Mod. DRO (WDNR), Water

2.2

0.10 mg/l

04/14/93

04/14/93

SEL Wis Mod. D

Sample ID: TANKWATER

Lab ID: 9304184-02A

Collected: 04/13/93

Cadmium, Low Level

BQL

1.0 ppb

04/15/93

LJW 7131

Metals Digestion

-

-

04/14/93

LDR

Lead, Low Level

11

2.0 ppb

04/15/93

LJW 7421

BQL - Below Quantification Limit



**APPENDIX D**

**LABORATORY ANALYSIS RESULTS AND CHAIN-OF-CUSTODY RECORD**

**PRECISION ANALYTICAL LABORATORY**

205 WEST GALENA  
MILWAUKEE, WI 53212  
(414) 272-5222

04/27/93

Analytical Report

Attn: Gary S. Graham  
Client: Northern Environmental  
1214 West Venture Court  
Mequon, WI 53092

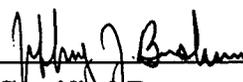
WORK ID: MPS121054

Date Received: 04/14/93  
Date Reported: 04/27/93

PAL ORDER #: 9304218

SAMPLE DESCRIPTION	LAB ID	DATE COLLECTED
DES 100	01A	04/13/93
DES 200	02A	04/13/93
DES 300	03A	04/13/93
DES 500	04A	04/13/93
DES 600	05A	04/13/93
DES 700	06A	04/13/93
DES 800	07A	04/13/93

Laboratory ID Number (Wisconsin DNR): 241369260

  
\_\_\_\_\_  
Certified By  
Jeff Bushner

**PRECISION ANALYTICAL LABORATORY**

CLIENT:Northern Environmental

Test	Result	Limit	Units	Analyzed	Extracted	BY	Method(SW846)
<b>Sample ID: DES 100</b>				Lab ID: 9304218-01A	Collected: 04/13/93		
Dry Weight	85		%	04/19/93		GQ	
Mod. DRO (WDNR), Soil	450	100	mg/kg	04/26/93	04/22/93	SEL	Wis Mod. DNR
<b>Sample ID: DES 200</b>				Lab ID: 9304218-02A	Collected: 04/13/93		
Dry Weight	88		%	04/19/93		GQ	
Mod. DRO (WDNR), Soil	BQL	10	mg/kg	04/23/93	04/22/93	SEL	Wis Mod. DNR
<b>Sample ID: DES 300</b>				Lab ID: 9304218-03A	Collected: 04/13/93		
Dry Weight	87		%	04/19/93		GQ	
Mod. DRO (WDNR), Soil	24	10	mg/kg	04/23/93	04/22/93	SEL	Wis Mod. DNR
<b>Sample ID: DES 500</b>				Lab ID: 9304218-04A	Collected: 04/13/93		
Dry Weight	85		%	04/19/93		GQ	
Mod. DRO (WDNR), Soil	BQL	10	mg/kg	04/23/93	04/22/93	SEL	Wis Mod. DNR
<b>Sample ID: DES 600</b>				Lab ID: 9304218-05A	Collected: 04/13/93		
Dry Weight	87		%	04/19/93		GQ	
Mod. DRO (WDNR), Soil	BQL	10	mg/kg	04/23/93	04/22/93	SEL	Wis Mod. DNR
<b>Sample ID: DES 700</b>				Lab ID: 9304218-06A	Collected: 04/13/93		
Dry Weight	85		%	04/19/93		GQ	
Mod. DRO (WDNR), Soil	BQL	10	mg/kg	04/23/93	04/22/93	SEL	Wis Mod. DNR
<b>Sample ID: DES 800</b>				Lab ID: 9304218-07A	Collected: 04/13/93		
Dry Weight	85		%	04/19/93		GQ	
Mod. DRO (WDNR), Soil	BQL	10	mg/kg	04/23/93	04/22/93	SEL	Wis Mod. DNR

BQL - Below Quantification Limit

**PRECISION ANALYTICAL LABORATORY**  
Report Comments

04/27/93

CLIENT: Northern Environmental

PAL Order #: 9304218

All analysis as per approved method found in one or more of the following:

Standard Methods for Evaluation of Water and Wastewater, 17th Edition

Methods for Chemical Analysis for Water and Wastes, Revised March 1983, EPA 600/4-79-020

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition 1986 EPA SW846

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Analysis performed or certified by Precision Analytical Laboratory

The organic data is reported out on a dry-weight basis.

Sample was covered air tight in approved container, shipped in cooler from the source to our lab, temperature upon arrival was 4 degrees C.

**Northern Environmental**  
 1214 West Venture Court  
 Mequon, WI 53092  
 414-241-3133  
 FAX 414-241-8222  
 a subsidiary of Bonestroo, Rosene, Anderlik and Associates, Inc.

**CHAIN OF CUSTODY RECORD  
 REQUEST FOR ANALYSIS**

Page 1 of 1  
 1231

Project No: PPS 1210521 Task No: \_\_\_\_\_  
 Project Location: MILWAUKEE  
 Project Manager: EMILY S. GRIFFITH  
 Sampler (name): JERALD S. LEWIS  
 Sampler (signature): [Signature]  
 Laboratory: PAH

Wisconsin DNR Certification No: 241369260  
 Laboratory Contact: G. DEBOST  
 Reports to be Sent To: EMILY S. GRIFFITH

Sample Integrity - To be completed by receiving lab  
 Seal intact upon receipt  Yes  No  
 Method of Shipment \_\_\_\_\_ °C Refrigerator No: \_\_\_\_\_  
 Contents Temperature \_\_\_\_\_ °C

ANALYSES REQUESTED

Lab ID No.	Sample No.	Collection Date	No. of Containers, Size and Type	Description			Preservative	Other Analysis
				Water	Soil	Other		
1	DES 100	4/13 1655	1-2oz, 1-4oz.	X				
2	DES 200	4/13 1612	" "	X				
3	DES 300	4/13 1615	" "	X				
4	DES 500	4/13 1625	" "	X				
5	DES 600	4/13 1639	" "	X				
6	DES 700	4/13 1655	" "	X				
7	DES 800	4/13 1702	" "	X				

TURNAROUND TIME REQUIRED  
 Normal  Rush

Date Needed \_\_\_\_\_

Hazard Identification  
 Reactive  Non Hazardous  
 Toxic  Flammable  
 Infectious  Skin Irritant  
 Other FEET 2 OIL IMP. SOIL

ANALYSES REQUESTED

TRPH (EPA Method 9073)	Oil & Grease (EPA Method 413.1)	BTEX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method )	Pb (EPA Method )
X						
X						
X						
X						
X						
X						
X						
X						
X						

Lab Batch No: \_\_\_\_\_ Price Quote No: \_\_\_\_\_ Comments: \_\_\_\_\_

Packed By: J. Lewis  
 Sealed For \_\_\_\_\_  
 Shipping By: J. Lewis

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Received By: [Signature] Date: 4-14  
 Company: PAI Time: 2:25

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Received By: [Signature] Date: 4/15/93  
 Company: \_\_\_\_\_ Time: 2:30

**PRECISION ANALYTICAL LABORATORY**

CLIENT: Northern Environmental

Test	Result	Limit	Units	Analyzed	Extracted	BY	Method(SW846)
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**Sample ID: TES-039**

Lab ID: 9307374-11A

Collected: 07/21/93

Dry Weight	87		%	07/27/93		GQ	
Mod. DRO (WDNR), Soil		10					Wis Mod. DRO
Diesel Range Organics	BQL	10	mg/kg	07/28/93	07/23/93	SEL	
Heavier than DRO	NP	2.0	mg/kg	07/28/93	07/23/93	SEL	

**Sample ID: DES-SP1**

Lab ID: 9307374-12A

Collected: 07/19/93

Mod. DRO (WDNR), Soil		10					Wis Mod. DRO
Diesel Range Organics	890	100	mg/kg	08/03/93	07/23/93	SEL	
Heavier than DRO	NP	20	mg/kg	08/03/93	07/23/93	SEL	

**Sample ID: DES-SP1**

Lab ID: 9307374-12B

Collected: 07/19/93

Appearance	solid	-		08/02/93		BIK	ASTM D4979
TEX Soil							8020
Benzene	BQL	1.1	ug/kg	07/29/93		JAH	
Toluene	BQL	1.1	ug/kg	07/29/93		JAH	
Ethyl Benzene	BQL	1.1	ug/kg	07/29/93		JAH	
Total Xylenes	BQL	2.2	ug/kg	07/29/93		JAH	
Color	brown	-		08/02/93		BIK	ASTM D4979
Dry Weight	91		%	07/27/93		GQ	
Flash Point, Open Cup	> 210		degrees F	08/02/93		BHZ	
Free Liquids	0		%	08/02/93		BIK	9095
Layers	1			08/02/93		BIK	ASTM D4979
odor	slight	-		08/02/93		BIK	ASTM D4979

**Sample ID: TES-034**

Lab ID: 9307374-13A

Collected: 07/21/93

Dry Weight	86		%	07/27/93		GQ	
Mod. DRO (WDNR), Soil		10					Wis Mod. DRO
Diesel Range Organics	BQL	10	mg/kg	07/28/93	07/23/93	SEL	
Heavier than DRO	NP	2.0	mg/kg	07/28/93	07/23/93	SEL	

BQL - Below Quantification Limit

NP - Not Present



**APPENDIX E**  
**CONTAMINATED SOIL DISPOSAL DOCUMENTS**

**HECHIMOVICH**  
 PRIMARY LANDFILL, INC.  
 (414) 387-0987

FAX (414) 387-0999  
 96 Hwy. V, Horicon, WI 53032

Profile Number 930140

BILL MILWAUKEE PUBLIC SCHOOLS - DEPT. OF  
 FACILITIES & MAINTENANCE SERVICES  
 1124 N. 11TH ST.  
 Street Address

City MILWAUKEE, WI State WI Zip 53233

Phone Number (414) 283-4600

DO NOT WRITE ABOVE THIS LINE

**GENERATOR**

Name MILWAUKEE PUBLIC SCHOOLS

Point Person: Tom Chojnecki

Address (Where material is generated):  
609 E. DAVEN STREET

Street Address

City MILWAUKEE, WI State WI Zip 53207

Phone Number (414) 283-4600

Phone Number

Generator has certified that this material is not hazardous waste as defined by NR609 or 40CFR261. The Generator has certified that this material does not contain any PCB materials. The Generator has certified that this information is representative of his material.

Signature [Signature]

Generator's Signature

Name BRICK M. O'DONNELL

Print Name

Date 8/11/93

Date

**APPROVAL**

Analysis is based upon the analysis for the representative sample sent to the laboratory by the generator. 8/11-94

Signature [Signature] Date 8-11-93

Signature

**WASTE DATA**

Waste Name Contaminated Soil

Physical state at room temperature (25°C) SOLID  
 (e.g. solids, granular, dust, sludge, liquid, etc.)

Process Generating Waste LEADING MANGROUN (N) SPARETBE TANK

Estimated Volume 200 cu yds

Handler ACCHIMOVICH

Consultant Northway Environmental Inc

Contact John J. Lewis

**ANALYTICAL DATA** (Attach Laboratory Report)

Name of Laboratory Performing Analysis PREVIOUS ANALYTICAL LABS

Date of Most Recent Analysis 8/6/93

PARAMETER	CONCENTRATION (PPM)	PARAMETER	CONCENTRATION (PPM)
1. Free Liquids	<u>0</u>	5. <u>CHLORO</u>	<u>890</u>
2. Flash Point (Closed Cup) <u>OPEN</u>	<u>&gt; 210</u>	6. TPH (for crude oil, kerosene or #5 fuel oil)	<u>NP</u>
3. Lead (CLP)	<u>-</u>		
4. Benzene	<u>BQL</u>		

(Circle One)

Protocol (1-1) T-2 T-3 T-4. Attach Additional Protocol Information

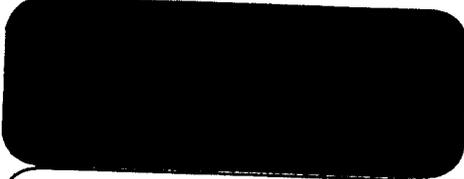
# HECHIMOVICH SANITARY LANDFILL, INC.

N7296 Highway V • Horicon, WI 53032

Business Phone 414-387-2943 • 414-387-3010

Weekdays 7:00a.m.-4:00p.m. • Saturdays 8:00a.m.-12:00a.m.

## INVOICE



INVOICE #: 22071100

INVOICE DATE: 08 31 98

Description	Quantity	Unit	Unit Price	Amount
CONTAMINATED SOIL PROFILE #930140 Dover	70.2500	TONS	29.4000	2065.35
			Environmental Tax	.00
Driver's Signature _____			Invoice Total	

0.00

400.00

400.00

400.00

0.00

1.00

1.00

1.00

1.00

5195

**HECHIMOVICH  
SANITARY LANDFILL, INC.**

387-2943 387-3010

"FORGET THE REST—CALL THE BEST"

N7296 Hwy. V  
Horicon, WI 53032

WEIGHT TRUCK NO.  
11:47 am 08/17/93  
26 ID NO.  
73120 lb Gross  
11:57 am 08/17/93  
26 ID NO.  
73120 lb TrGrs  
32160 lb TrTar  
40960 lb TrNet

PROFILE # 930140

GENERATOR Milwaukee Public Schools

GENERATOR SIGNATURE *Yorlan Garcia*

DATE 8-17-93

REMARKS Contaminated Soil

DRIVER ON  OFF  WEIGHT RECORDED BY \_\_\_\_\_

DRIVER'S SIGNATURE *Chad Beckel* # 31

5194

**HECHIMOVICH  
SANITARY LANDFILL, INC.**

387-2943 387-3010

"FORGET THE REST—CALL THE BEST"

N7296 Hwy. V  
Horicon, WI 53032

WEIGHT TRUCK NO.  
11:23 am 08/17/93  
19 ID NO.  
80800 lb Gross  
11:39 am 08/17/93  
19 ID NO.  
80800 lb TrGrs  
30460 lb TrTar  
50340 lb TrNet

PROFILE # 930140

GENERATOR Milwaukee Public Schools

GENERATOR SIGNATURE *Yorlan Garcia*

DATE 8-17-93

REMARKS Contaminated Soil

DRIVER ON  OFF  WEIGHT RECORDED BY \_\_\_\_\_

DRIVER'S SIGNATURE *Steven Kernz* E+S # 39

5193

**HECHIMOVICH  
SANITARY LANDFILL, INC.**

387-2943 387-3010

"FORGET THE REST—CALL THE BEST"

N7296 Hwy. V  
Horicon, WI 53032

WEIGHTO TRUCK NO.

11:21 am 08/17/93

18 ID NO.

79640 lb Gross

11:40 am 08/17/93

18 ID NO.

79580 lb TrGrS

30380 lb TrTar

49200 lb TrNet

PROFILE # 930140

GENERATOR Milwaukee Public Schools

GENERATOR

SIGNATURE

*Stanley Harn*

DATE 8-17-93

$\frac{1}{2} = 24,600$

REMARKS Contaminated Soil

DRIVER ON

OFF

WEIGHT RECORDED BY

DRIVER'S SIGNATURE

*John Savel*

30 EdS

DOVER ELEMENTARY SCHOOL



Excavation of the 7500 Gallon  
Underground Storage Tank



Removal of the 5000 Gallon  
Underground Storage Tank