

Tommy G. Thompson, Governor William J. McCoshen, Secretary



June 18, 1997

NDC, Inc. 6312 S. 27th St. Oak Creek, WI 53154-1092



Subject: Close-out of Commerce # 53204-1137-38

NDC, 1738 W. National Ave., Milwaukee

Dear Sir or Madam:

On June 18, 1997 the above site was reviewed for closure by the Site Review staff of the Petroleum Environmental Cleanup Fund (PECFA) Bureau. Using the standards established in NR 700, the Department has determined that this site has been investigated/remediated to a level protective of the environment and human health. The Department considers this site to meet environmental standards and no further action is necessary.

I have signed your Form DNR 4-B for reimbursement under the State's Petroleum Environmental Cleanup Fund (PECFA) program. The form DNR 4-B, signed for "Completed Remedial Action," is enclosed. Please forward the white copy of the form, with a copy of this letter attached, to the Wisconsin Department of Commerce PECFA claim section with your completed claim.

If, in the future, site conditions indicate that any contamination that might remain poses a threat, the need for further investigation/remediation would be determined and required if necessary. If subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts in the protection of the environment. If you have any questions, please contact me at (414) 220-5373.

Sincerely,

Jennifer Skinner
Hydrogeologist
PECFA Site Review Section

cc: Mr. Jon Heberer, PSI

Case file

Wisconsin Department of Industry, Labor and Human Relations

### **DNR 4-B**

# Remedial Action and Operation/Maintenance and Environmental Monitoring Review

Safety and Buildings Division Bureau of Petroleum Inspection PO Box 7969 Madison, WI 53707 (608) 267-3753 (608) 266-2424

Personal information you provide may be used for secondary purposes [Privacy Act, s. 15.04(1)(m)].

SEE INSTRUCTIONS ON THE BACK OF THIS PAGE

Send one copy of this completed form with the completed claim to the address shown in the upper right corner.

A. DILHR PECFA CLAIM NUMBER: 53 204 - 1137 - 38

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that remedial action activities and operation/maintenance and environmental monitoring is adequate to meet requirements of s. 144.76, Wis. Stats. This approval is only for meeting the requirements of s. 101.143 (3), Wis. Stats.

Any DNR LUST Trust Expenditures on this site?	No If yes, please provide details on an attached sheet.
B. Claimant's Name	F. Remedial Action Site Name (if business)
NDC, Inc.	NDC
C. Street Address	G. Remedial Action Site Address
6312 South 27 th Street	1738 West Netional Avenue
D. City, State, Zip Code	H. City, State, Zip Code
999 Creek W1 53154-1092	Milwanhee, Wkconsin 53204
E. Claimant's Telephone Number	I. Telephone Number of Site
414 761-2040	NA
J. Claimant is:	
Owner Operator Other (specify):  K. Approval Requested For:	
	ne Heating Oil Tank System Aboveground Petroleum Product Tank
	E / Public School Heating Oil Tank System
L. Total Dollar Expense Being Claimed (same amount as on	Form 1): \$ 46,382,73
This completed form must be submitted to the DNR for approval of the following Remedial Action, Remedial Action and/or Operation/Maintenance and Environment	
DNR USE ONLY (indicate whether Completed Remedial Action, Remedial	Action or Operation/Maintenance and Environmental Monitoring)
Completed Remedial Action (phase 1 & phase 2)	
Progress Payment For: check appropriate box	
☐ Remedial Action (phase 2)	
☐ Operation/Maintenance and Environmental Monitoring (a	nnual claim for remedial action activities) (phase 3)
The DNR received a request for approval of the above identified activities for the	site listed on this form on the following date: 5/2/97
The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.	
Remedial action activities funded under 42 USC 6991 (LUST Funding) are not e	eligible for reimbursement under PECFA. See s. 101.143 (3) (A) 2. Wis. Stats
1	
DNR-Reviewer's Signature	Date Signed 6/18/97
1 1	
DNR Reviewer's Title / NOFECLOCIST	
	*



March 31, 1997

Mr. Gary Kaufman

NDC, Inc. 6312 South 27th Street Oak Creek, Wisconsin 53154

Re:

Remediation Assessment

NDC, Inc.

1738 West National Avenue

Milwaukee, Wisconsin 53204-1186 PSI File Number: 055-5H012-2 WDNR FID: 241883070

BRRTS: 03-41-004790

PECFA Claim Number: 53204-1137-38

Dear Mr. Kaufman:

In accordance with our agreement, PSI has performed a Remediation Assessment at the above referenced site and is forwarding two (2) copies of the report.

PSI appreciates the opportunity to be of service to you on this project. We would be pleased to continue our role as environmental consultants during the project implementation and remain available to answer any comments or questions you may have concerning this report. If we can be of further assistance, please contact us.

Sincerely,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Jon D. Heberer

Senior Hydrogeologist / Project Manager

David M. Barndt, P.E.

Vice President

Jeff Grzeca, P.G.

Senior Author

Department Manager

Joseph Whitle Pc

Joseph F. Whittle, Jr., P.E., P.G.

JDH/AC/DMB/cas

cc:

Wisconsin DNR (1)

Wisconsin DILHR (1)

# REMEDIATION ASSESSMENT TWO 4000 GALLON USTs

for

# 1738 WEST NATIONAL AVENUE MILWAUKEE, WISCONSIN 53204

Prepared for

NDC, INC. 6312 SOUTH 27TH STREET OAK CREEK, WISCONSIN 53154

PSI PROJECT NUMBER 055-5H012-2 WDNR FID: 241883070

MARCH 31, 1997

#### SUBMITTAL CERTIFICATIONS

Remediation Assessment

1738 West National Avenue Milwaukee, Wisconsin 53204

PSI Project Number: 055-5H012-2

WDNR FID: 241883070

"I David M. Barndt, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

- 44		V-	
(Signatur	re Title a	nd P.E.	number)

(Date)

David M. Barndt Vice President P.E. #E24798

"I, Jon D. Heberer, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Signature and Title)

April 2/1997

Jon D. Heberer Hydrogeologist

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Figure 2: Site Plan

#### **APPENDICES**

A. ANALYTICAL REPORTS

B. LIST OF MANIFEST TICKETS

C. RESPONSE ACTION PARTIES

#### 1.0 EXECUTIVE SUMMARY

The subject site is located at 1738 West National Avenue in Milwaukee, Wisconsin. This site has been established as a leaking underground storage tank (LUST) site due to the reporting of a release discovered during the performance of underground storage tank (UST) Closure Assessments. This report presents the results of Remediation Actions which were performed for two 4,000 gallon heating oil USTs at the site.

During the remediation, the following activities were performed:

- Removal of approximately 500 tons of contaminated soil which were transported to Waste Management's Metro facility for off-site enhanced bio-remediation;
- Field screening of samples for volatile organic compounds (VOCs) for waste disposal characterization;
- Collection of waste disposal samples which were submitted for chemical analyses;
- Collection of closure verification samples which were submitted for chemical analyses;

Soil was excavated for off-site enhanced bioremediation from the area of the underground storage tank. Based on the field observations and analytical results, it appears that the contaminated soils have been removed and the site has been remediated to below the Wisconsin Department of Natural Resources (WDNR) soil cleanup standards. Groundwater was not observed in the excavation.

#### 2.0 INTRODUCTION

This report presents the scope, procedures, and results of remedial actions conducted at 1738 West National Avenue, Milwaukee, Wisconsin. The site location is illustrated on Figure 1. The project area is illustrated on Figure 2. The purpose of the remediation assessment was to remove petroleum impacted soil associated with a previous release from two USTs at the site. The assessment was performed in general accordance with Wisconsin Administrative Codes NR 700 and IHLR 47 to protect public health, safety and welfare and the environment. The remedial action undertaken was structured to minimize, stabilize, or eliminate, to the extent practicable, the threat of the previous release associated with the site.

#### 3.0 PROJECT BACKGROUND

A summary of the site location, site description, project history and regional geology and hydrogeology are presented in the following sections.

#### 3.1 SITE LOCATION

The subject site is located at 1738 West National Avenue in the City of Milwaukee, Wisconsin. The historical addresses of 1734-1742 West Pierce Street are also associated with this site. The site lies in the northwest quarter of the southeast quarter of Section 35, Township 07 North, Range 22 East in Milwaukee County, Wisconsin.

#### 3.2 SITE DESCRIPTION

The site is located in an urban area of Milwaukee, which has been developed since approximately the 1920's. The site is approximately one acre in size. Previous buildings and utilities on the subject site have been razed. The structures on the adjacent properties to the north, east and west have also been demolished. The entire project site and the adjacent properties to the south, east, and west are currently being redeveloped as the Clark Square Shopping Center which includes the construction of a Pick 'N Save Food Store and several other related type structures. The properties in the surrounding area of the subject site consist of residential, commercial/retail, and light industrial properties.

The site is located to the south of the Menomonee River valley. The terrain of the site is relatively flat and gently slopes to the north. To the north across West Pierce Street, the terrain is steeply sloping into the Menomonee River valley. The surface of the site was predominantly covered by a building, asphalt or concrete pavement and general fill materials. Surface drainage typically follows the topography and flows into storm drains along West Pierce Street to the north of the site. Milwaukee Metropolitan Sewerage District (MMSD) operates a combined sanitary and storm sewer system in this vicinity.

#### 3.3 PROJECT HISTORY

The subject site has been established as a leaking underground storage tank (LUST) site. In April 1996, three previously undiscovered USTs were encountered during demolition of the on-site structure. These USTs consisted of two 4,000 gallon and one 500 gallon bare steel tanks which contained heating fuel oil. These tanks were subsequently removed on April 16, 1996 by North Shore Environmental contracted by NDC, Inc. A closure assessment was performed by PSI, the results of which are contained in PSI report number 055-5H012, two 4,000 gallon and one 500 gallon UST closure assessment, dated October 22, 1996. Soil contamination was detected in

PSI, Inc.

the closure samples collected surrounding the 4,000 gallon USTs during the removal and as such was reported to the WDNR. The Wisconsin Department of Natural Resources (WDNR) site identification number is 241883070.

The results of site investigations and remedial actions performed on the adjacent LUST site to the east did not reveal any signs of contamination extending from these USTs. In addition, soil samples collected from test pits surrounding the location of two 4,000 gallon USTs did not encounter groundwater or reveal any significant soil contamination. Based upon this and the results of the closure assessment it was interpreted that contamination was limited to the soils within close proximity to the tanks. It was estimated that approximately 200 to 300 cubic yards of contaminated soils were present above current WDNR standards.

Three (3) alternative remediation methods were addressed: removal of contaminated soils and placement in an off-site landfill; off-site "soil roasting" or "thermal treatment"; and off-site enhanced bioremediation. The estimated cost of off-site bioremediation was lowest and was selected as the remediation method for this site.

#### 3.4 REGIONAL AND SITE GEOLOGY

The United States Department of Agricultural Soil Conservation Service conducted a soil survey of Milwaukee County, Wisconsin, in cooperation with the University of Wisconsin. The soil survey was issued in July 1971 and identifies the soils in the area of the subject site as the Ozaukee-Morley-Mequon Association. According to this report, "These soils typically are well-drained to somewhat poorly drained soils that have a subsoil of silty clay loam and silty clay, formed in thin loess and silty clay loam glacial till, on moraines, and overlying bedrock formations."

The geology of the area consists of bedrock formations underlying unconsolidated glacial and post glacial deposits. The bedrock formations consist of, in ascending order, oldest to youngest, crystalline rocks of the Precambrian Era, sedimentary rocks of the Cambrian, Ordovician, and Silurian period formations of the Paleozoic Era. The Silurian age formations consisting of predominantly dolomite comprise the Niagara aquifer which is overlain by the sand and gravel aquifers within the unconsolidated glacial and post glacial deposits. The present topography is a composite of glacial landforms and changes caused by fluvial processes and human activity.

The soil stratigraphy at the subject site, based on site investigations and observations during excavation, is characterized as follows:

An upper layer consisting of predominantly silty sand with some clay, extended to the base
of the remedial excavation which was at a depth of approximately twelve feet below ground
surface and to a depth of approximately fourteen feet below ground surface in the test pits.

The subsurface conditions encountered are documented in the UST closure assessment report and the site investigation test pits logs.

#### 3.5 REGIONAL AND SITE HYDROGEOLOGY

The regional water table elevations are depicted on the "Water-Table Map of Milwaukee, Wisconsin" prepared by the United States Geological Survey. The water table is contoured in twenty-foot intervals and the overall scale is approximately 1:100,000. The water table map depicts the regional groundwater level in the upper aquifer. Groundwater elevations were obtained from wells screened in the unconsolidated deposits overlying bedrock or bedrock immediately underlying the unconsolidated deposits. The contours indicate that groundwater flows to the north with the elevation of the water table being approximately 580 feet above mean sea level.

The USGS Milwaukee, Wisconsin, quadrangle 7.5 minute series topographic map was reviewed. According to the contour lines on the topographic map, the subject site is located approximately 630 feet above mean sea level. Based on the above information, the water table is approximately 50 feet below the ground surface (bgs).

Groundwater is closer to the surface at the site than is typical in unconsolidated deposits in the southeastern portion of Wisconsin. This is the result of perched groundwater which becomes trapped within the upper more permeable deposits which are underlain by less permeable strata. Groundwater monitoring on adjacent sites reveals groundwater elevations typically between 12 to 14 feet below ground surface. Local groundwater flow appears to be to the north and northwest towards the Menomonee River valley to the north.

#### 4.0 SITE INVESTIGATION

This section describes the field tasks performed as part of this remediation. The site investigation activities were performed during May 1996 prior to remediation activities. Site investigation activities described in this section consist of subsurface test pits performed by an excavating contractor contracted by NDC, Inc. The field activities were performed by PSI environmental technician Steve Hailer under the direction of PSI project manager and hydrogeologist.

#### 4.1 TEST PITS

The site investigations included the four test pits to depths of approximately fourteen feet below the existing ground surface (bgs). The test pits were performed using a hydraulic excavator. A test pit was located on each side of the tank excavation. Test pit locations are shown on the site map, Figure 2. The test pits were backfilled on completion with the excavated soils.

#### 4.2 SOIL SCREENING

Two soil samples, one for field screening and another for laboratory analysis, were collected every two feet in depth with the excavator. Soil samples were collected from soils that did not contact the bucket of the excavator.

The headspace above each sample was screened in the field for organic vapor analysis with a Foxboro TVA 1000 photoionization detector (PID) equipped with a 11.7 electron volt lamp. The PID was calibrated prior to use at this project by PSI personnel. The calibration procedure includes introduction of a known concentration of isobutylene gas into the instrument. Isobutylene is used because of its instrumental response is similar to the volatile aromatic compound benzene. The calibration of the instrument is completed by adjusting the span until the indicator exhibits the specified units. The manufacturer indicates that the sensitivity of the device is 0.1 instrument units (iu); comparable to 0.1 ppm for VOCs which have an ionization potential equal to or less than its lamp energy. The calibrated PID is used to detect organic vapors in comparison to the isobutylene standard. Due to the inexact volume of the headspace and varying soil conditions, PID readings should only be considered a relative indication of volatile organic compound concentrations. The moisture content of soil and humid atmospheric conditions have been noted to produce inaccurate organic vapor readings due to condensation on the lamp. To perform the screening each sample was sealed in a Ziplock<sup>TM</sup> plastic bag and equilibrated to approximately 70°F in a warm vehicle. PID results were obtained by sampling the headspace above each sample and recording the maximum instrument reading.

#### 4.3 SOIL SAMPLING

The soil samples collected laboratory for analyses were placed in laboratory-supplied jars using clean single use Nitrile<sup>TM</sup> gloves. The sample containers were labeled, placed in a cooler, packed with ice and transported under chain-of-custody to National Environmental Testing, Inc. (NET), WDNR No. 128053530, for analysis.

#### 4.4 SOIL ANALYSES

Gasoline range organics (GRO), diesel range organics (DRO), volatile organic compounds (VOC), and polynuclear aromatic hydrocarbons (PAH) analyses were performed in accordance with the approved analytical methods for leaking underground storage tank (LUST) samples in Wisconsin. The analytical results are summarized in Table 1.

The concentrations of GRO and PAHs were not detected above the analytical method detection limits. DRO and VOCs were either not detected above the analytical method detection limits or were detected at low concentrations. DRO concentrations were not detected above the detection limit of 5.0 mg/kg to a concentration of 5.1 mg/kg. VOC concentration were detected for bromoethane, methylene chloride and trichlorofluoromethane. Trichlorofluoromethane was detected in the soil samples NW-SS6 and SW-SS7 at 37 ug/kg and 28 ug/kg, respectively.

There is not an established soil standard for trichlorofluoromethane. VOCs without a soil standard are evaluated by the WDNR on a case-by-case basis. Soil quality standards are based on the potential of the soil contamination to contaminate groundwater in excess of the groundwater standards. Soil standards for substances without a defined standard are "no detect" for substances which are not naturally occurring, background concentrations for naturally occurring substances, or, if "no detect" levels or background concentrations are not practical, an alternative soil standard may be approved by the WDNR on a case-by-case basis. Site specific soil RCLs may be established for a site. The level for RCLs are determined on a site specific basis based on the protection of groundwater quality, public health, safety, welfare or the environment.

Bromoethane and methylene chloride were detected in all of the samples and were also detected in the trip blank. This indicated that these compounds were most likely introduce in the laboratory and are not present in the samples from the site. Concentrations detected in the samples ranged from 31 ug/kg to 78 ug/kg for bromoethane and from 98 ug/kg to 200 ug/kg for methylene chloride. The concentrations of bromoethane and methylene chloride detected in the trip blank were 52 ug/kg and 43 ug/kg, respectively. Methylene chloride is a common laboratory contaminant. Concentrations of common laboratory contaminants at levels less than ten times the concentration detected in the blank are generally considered to be inconclusive. Concentrations of other compounds at levels less than five times the concentration detected in the blank are considered to be inconclusive. Inconclusive results generally indicates that the compounds are not present in the sample.

#### 4.5 CONCLUSIONS

Based on the field screening and laboratory results, the extent of impacted soil appeared to be limited and defined by the test pits. Trichlorofluoromethane is not expected to impact groundwater based on the concentration detected in the sample and the effects of degradation, adsorption, and dilition.

#### 5.0 REMEDIATION ACTIVITIES

The following section discusses the services provided during soil removal/disposal, chemical analyses and soil screening.

#### 5.1 SOIL REMOVAL AND DISPOSAL

The contaminated soil removal activities were conducted in general accordance with the proposed excavation limits which were developed based upon the results of the site investigation and closure assessment. When visual observation or field screening indicated the existence of soil contamination above WDNR soil standards, the excavation was expanded until such field conditions no longer existed. Closure verification soil samples were then obtained at approximately twenty-five (25) foot intervals along the wall and across the bottom of the excavation.

All soil samples obtained for laboratory analyses were properly preserved and standard chain-of-custody procedures were followed. Soil samples were obtained to verify that impacted soils above WDNR cleanup guidelines had been removed or, if contamination still existed, to quantify the level of contamination.

The removal of impacted soils was performed during May 1996, by North Shore Environmental Construction, Inc., of Germantown, Wisconsin. The field activities were monitored by PSI environmental technician, Steve Hailer. Based upon field observations, the discernible clean overburden at each remedial excavation was removed and stockpiled on-site. This soil was subsequently reused as on-site fill material. All impacted soil removed for disposal was transported via dump truck to Waste Management's Metro facility for enhanced bio-remediation. A list of the manifest tickets is included in Appendix B.

A total of approximately 400 cubic yards (600 tons) of soil were excavated. Of this total, approximately 100 tons of soil with concentrations below the soil standards was stockpiled. Contaminated soils ranging from the surface to an approximate depth of twelve feet were excavated and subjected to off-site remediation. Various areas of soil with concentrations below the soil standards, which were overlying or adjacent to contaminated soil, were excavated from depths ranging from the surface to an approximate depth of six feet and stockpiled. Approximately 500 tons of contaminated soil were removed from the site. The approximate remedial limits are illustrated on the Site Plan, Figure 2. The excavation was backfilled with a combination of on-site and imported fill materials.

#### 5.2 SOIL SCREENING

In general accordance with the WDNR soil sampling guideline for soil to be disposed or treated, soil samples from approximately every fifteen (15) cubic yards were field screened. The headspace above each sample was screened in the field for organic vapor analysis with a Foxboro TVA 1000 photoionization detector (PID) equipped with a 11.7 electron volt lamp. The PID calibration procedure was previously described at section 4.1.

To perform the screening each sample was sealed in a Ziplock<sup>TM</sup> plastic bag. The samples were equilibrated for five (5) to thirty (30) minutes. Reported PID results were obtained by sampling the headspace above each sample and recording the maximum instrument reading. Summary of the field screenings are tabulated in Table 2.

#### 5.3 SOIL SAMPLING PROGRAM

Soil samples were submitted to NET (WDNR Cert. #128053530) in Watertown, Wisconsin by NET courier service. A complete copy of the laboratory analytical report and chain-of-custody documentation are contained in Appendix A. The location of soil samples submitted for chemical analysis are illustrated on the Site Plan, Figure 2.

#### 5.3.1 Waste Disposal Characterization

In general accordance with the WDNR LUST soil sampling requirements for soils to be disposed or treated, soil samples from approximately every fifteen (15) cubic yards were field screened and one (1) sample per 300 cubic yards was collected for laboratory analysis. A summary of the PID readings are tabulated in Table 2. Analytical analyses performed for waste characterization samples are tabulated in Table 3.

#### **5.3.2 Closure Verification**

In general accordance with the WDNR LUST soil sampling requirements for closure verification, soil samples were collected approximately every twenty-five (25) feet along the sidewalls and across the bottom of the remedial excavation to verify the horizontal and vertical extent of contamination. Based on field observations and the results of the closure assessment, the side wall samples were collected at depths where the soils within the excavation area had been most impacted.

A total of fourteen (14) samples were collected for closure samples from the remedial excavation areas along the sidewalls and at the base. Analytical analyses performed for closure verification samples at each remedial excavation are tabulated in Table 3.

#### 5.4 QUALITY ASSURANCE/QUALITY CONTROL

All sampling, analysis and decontamination procedures were performed in general accordance with WDNR approved methodology. The chemical testing methods are described in the NET analytical quality assurance

policy. Field procedures are described in the PSI Technical Guidance and were performed in general accordance with the PSI site investigation plan and remedial action plan developed for the subject site. NET provided trip blanks which were analyzed for gasoline range organics (GRO) for the soil sampling events.

#### 5.5 DECONTAMINATION PROCEDURES

Sampling equipment was decontaminated prior to on-site use and between each use. All equipment was decontaminated with an Alconox water wash followed by a water rinse. In addition, Nitrile<sup>TM</sup> gloves were worn by all personnel when performing sampling procedures.

#### 6.0 DISCUSSION OF RESULTS

The results of the remedial actions and laboratory analyses are discussed in the following sections. Where appropriate, the results are compared with regulatory limits for the compound in the applicable media.

#### 6.1 SITE STRATIGRAPHY

The description of the subsurface conditions provided herein was derived from on-site observations and the soil samples obtained from the remedial excavation. The soil stratigraphy in the remediation excavation is described as follows:

An upper layer consisting of predominantly silty sand with some clay, extended to the base
of the remedial excavation which was at a depth of approximately twelve feet below ground
surface and to a depth of approximately fourteen feet below ground surface in the test pits.

#### 6.2 SOIL CHARACTERIZATION

Based on soil type, soil permeability was expected to be greater than  $1 \times 10^{-6}$  cm/sec. The WDNR currently uses soil cleanup standards of 100 mg/kg DRO and GRO for case closure at sites which have soil permeability greater than  $1 \times 10^{-6}$  cm/sec and 250 mg/kg for DRO and GRO at sites which have soil permeability less than  $1 \times 10^{-6}$  cm/sec. The DRO and GRO regulatory levels were established at 100 mg/kg. Standards for petroleum volatile organic compounds (PVOC) are 0.0055 mg/kg for benzene; 1.5 mg/kg for toluene; 2.9 mg/kg for ethylbenzene; and 4.1 mg/kg for xylenes.

Soils were excavated from remedial excavation during May 1996. A total of fourteen (14) closure samples were collected from the remedial excavation. No analyte concentrations were detected above the soil standards in the closure samples collected from remedial excavation. No GRO or PVOC concentrations were detected above the detection limits. DRO concentrations were not detected above the detection limit to a concentration of 7.7 mg/kg. In addition, soil samples were not analyzed for polyaromatic hydrocarbons as polyaromatic hydrocarbons were not detected in the soil samples collected from the site investigation test pits. A summary of the analytical data for the closure verification samples are summarized in Table 3. WDNR soil standards have been included for comparative purposes.

Waste characterization samples were obtained from the soil that was transported for bioremediation. The samples were analyzed for the presence of GRO, DRO and PVOC. The results of these analyses indicated detectable concentrations of GRO, DRO, and PVOC. GRO, DRO and xylene concentrations were detected above the NR700 soil standards. Due to dilution of the samples detection limits for benzene were above the soil standard. Due to interfering compounds and high concentrations of other target analytes a lower detection limit was not achievable. This indicates that benzene may or may not have been present above the soil standard. A summary of the analytical results for the waste characterization samples are tabulated in Table 3.

#### 6.3 GROUNDWATER CHARACTERIZATION

Groundwater was not observed in the remedial excavation. Therefore, groundwater samples were not collected from the excavation.

#### 7.0 CONCLUSIONS AND RECOMMENDATIONS

The sources, two 4,000 heating fuel oil USTs, which caused the contamination of soil have been removed from the site. A total of approximately 500 tons of contaminated soil were removed during this remediation assessment. Groundwater was not encountered in the excavation.

Contaminated soils were removed from the area horizontally and vertically until field observations indicated slight or no signs of contamination or practicable limits were reached for excavation. Results of the soil sample analyses indicated that the site has been remediated to the WDNR soil cleanup standards.

Based on the field observations and analytical results, it appears that the contaminated soils have been removed and soil contamination at this site due to the prior releases has been remediated, in accordance with WDNR standards. No further action is recommended.

#### 8.0 WARRANTY

The field observations, measurements, and research reported herein are considered sufficient in detail and scope to form a reasonable basis for a Remediation Assessment of this property. The assessment, conclusions, and recommendations presented herein are based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report.

This assessment has been developed to provide the client with information regarding apparent indications of recognized environmental conditions relating to the subject property. It is necessarily limited to the conditions observed and to the information available at the time of the work.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. The description, type, and composition of what are commonly referred to as "hazardous materials or conditions" can also change over time. PSI does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials or conditions. PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

#### 9.0 REFERENCES

- 1. American Society for Testing and Materials, *Designation D2488-90, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*, 1991.
- 2. City of Milwaukee, Phase I Environmental Investigation, October 1, 1993.
- 3. Milwaukee Map Service, Inc., Milwaukee County and Waukesha County Map and Street Guide, 1993.
- 4. Professional Service Industries, Inc., *Phase II Contamination Assessment, South 20th Street & West National Avenue, Milwaukee, Wisconsin*, July 19, 1994.
- 5. Professional Service Industries, Incorporated, Advanced Environmental Services Site Assessment Field Method Technical Guidance, February, 2 1995.
- 6. Wisconsin Administrative Code, Chapter NR 140, Groundwater Quality, January 1992.
- 7. Wisconsin Administrative Code, Chapter NR 141, Groundwater Monitoring Well Requirements, January 1992.
- 8. Wisconsin Administrative Code, Chapters NR 700-736, Investigation and Remediation of Environmental Contamination, April 1994.
- 9. Wisconsin Department of Natural Resources, Analytical Guidance Document, July 1993.

NDC, Inc. Remediation Assessment
Project No. 055-5H012-2 March 1997

### LIST OF TABLES

Table 1: Soil Analytical Data - Test Pit LocationsTable 2: Field Screening Results - Remedial Excavation

Table 3 Analytical Data - Closure Verification and Waste Characterization Samples

### TABLE 1 Soil Analytical Data - Test Pit Locations

### 1738 West National Avenue Milwaukee, Wisconsin

Two 4,000, one 550-Gallon UST's May 1996

		SE-SS6	NE-SS6	NW-SS6	SW-SS7	Trip
PARAMETER	UNITS	6 feet	6 feet	6 feet	7 feet	Blank
Gasoline Range Organics (GRO)	mg/kg	<5.5	<5.5	<5.0	<5.5	<5.0
Diesel Range Organics (DRO)	mg/kg	<5.0	<5.0	5.1	<5.0	NA
Volatile Organic Compounds	- Jeny	100000		No. of the last of	CONTRACTOR OF THE PARTY OF THE	A TOWN
Benzene	ug/kg	<28	<28	<25	<28	<25
Bromobenzene	ug/kg	<28	<28	<25	<28	<25
Bromodichloromethane	ug/kg	<28	<28	<25	<28	<25
Bromoethane	ug/kg	B 78	B 70	B 79	B 31	B 52
n-Butylbenzene	ug/kg	<28	<28	<25	<28	<25
sec-Butylbenzene	ug/kg	<28	<28	<25	<28	<25
tert-Butylbenzne	ug/kg	<28	<28	<25	<28	<25
Carbon Tetrachloride	ug/kg	<28	<28	<25	<28	<25
Chlorobenzene	ug/kg	<28	<28	<25	<28	<25
Chlorodibromomethane	ug/kg	<28	<28	<25	<28	<25
Chloroethane	ug/kg	<38	<38	<35	<38	<35
Chloroform	ug/kg	<28	<28	<25	<28	<25
Chloromethane	ug/kg	<33	220	<30	<33	<30
2-Chlorotoluene	ug/kg	<28	<28	<25	<28	<25
4-Chlorotoluene	ug/kg	<28	<28	<25	<28	<25
1,2-Dibromo-3-Chloropropane	ug/kg	<55	<55	<50	<55	<50
1,2-Dibromoethane	ug/kg	<28	<28	<25	<28	<25
1,2-Dichlorobenzene	ug/kg	<28	<28	<25	<28	<25
1,3-Dichlorobenzene	ug/kg	<28	<28	<25	<28	<25
1,4-Dichlorobenzene	ug/kg	<28	<28	<25	<28	<25
Dichlorodifluoromethane	ug/kg	<28	<28	<25	<28	<25
1,1-Dichloroethane	ug/kg	<28	<28	<25	<28	<25
1,2-Dichloroethane	ug/kg	<14	<14	<13	<14	<13
1,1-Dichloroethene	ug/kg	<28	<28	<25	<28	<25
cis-1,2-Dichloroethene	ug/kg	<28	<28	<25	<28	<25
trans-1,1-Dichloroethene	ug/kg	<28	<28	<25	<28	<25
1,2-Dichloropropane	ug/kg	<28	<28	<25	<28	<25
1,3-Dichloropropane	ug/kg	<28	<28	<25	<28	<25
2,2-Dichloropropane	ug/kg	<28	<28	<25	<28	<25
Di-Isopropyl-Ether	ug/kg	<28	<28	<25	<28	<25
Ethylbenzene	ug/kg	<28	<28	<25	<28	<25
Hexachlorobutadiene	ug/kg	<38	<38	<25	<38	<25
Isopropylbenzene	ug/kg	<28	<28	<25	<28	<25
p-Isopropyltoluene	ug/kg	<28	<28 L 190	<25 L 120	<28 L 98	<25
Methylene Chloride Methyl-t-butyl ether	ug/kg	L 200 <28	L 190 <28	L 120 <25	L 98 <28	L 43 <25
	ug/kg	<28	<28	<25	<28	<25
Naphthalene n-Propylbenzene	ug/kg ug/kg	<28	<28	<25	<28	<25
1.1.2.2-Tetrachloroethane	_	<28	<28	<25	<28	<25
Tetrachloroethene	ug/kg ug/kg	<28	<28	<25	<28	<25
Toluene	ug/kg	<28	<28	<25	<28	<25
1,2,3-Trichlorobenzene	ug/kg	<28	<28	<25	<28	<25
1,2,4-Trichlorobenzene	ug/kg	<28	<28	<25	<28	<25
1,1,1-Trichloroethane	ug/kg	<28	<28	<25	<28	<25
1,1,2-Trichloroethane	ug/kg	<28	<28	<25	<28	<25
Trichloroethene	ug/kg	<28	<28	<25	<28	<25
Trichlorofluoromethane	ug/kg	<28	<28	37	28	<25
1,2,4-Trimethylbenzene	ug/kg	<28	<28	<25	<28	<25
1,3,5-Trimethylbenzene	ug/kg	<28	<28	<25	<28	<25
Vinyl Chloride	ug/kg	<28	<28	<25	<28	<25
Xylenes, Total	ug/kg	<38	<38	<35	<38	<35

### TABLE 1 Soil Analytical Data - Test Pit Locations

### 1738 West National Avenue Milwaukee, Wisconsin

Two 4,000, one 550-Gallon UST's May 1996

		SE-SS6	NE-SS6	NW-SS6	SW-SS7	Trip
PARAMETER	UNITS	6 feet	6 feet	6 feet	7 feet	Blank
Poly Aromatic Hydrocarbons (PAHs)	1					
Acenaphthene	mg/kg	<40	<40	<40	<40	NA
Acenaphthylene	mg/kg	<80	<80	<80	<80	NA
Anthracene	mg/kg	<8.0	<8.0	<8.0	<8.0	NA
Benzo (a) anthracene	mg/kg	<2.0	<2.0	<2.0	<2.0	NA
Benzo (b) fluoranthene	mg/kg	<2.0	<2.0	<2.0	<2.0	NA
Benzo (k) fluoranthene	mg/kg	<2.0	<2.0	<2.0	<2.0	NA
Benzo (a) pyrene	mg/kg	<4.0	<4.0	<4.0	<4.0	NA
Benzo (ghi) perylene	mg/kg	<4.0	<4.0	<4.0	<4.0	NA
Chrysene	mg/kg	<4.0	<4.0	<4.0	<4.0	NA
Dibenzo (a,h) anthracene	mg/kg	<4.0	<4.0	<4.0	<4.0	NA
Flouranthene	mg/kg	<8.0	<8.0	<8.0	<8.0	NA
Fluorene	mg/kg	<16	<16	<16	<16	NA
Indeno (1,2,3-cd) pyrene	mg/kg	<4.0	<4.0	<4.0	<4.0	NA
1-Methylnaphthalene	mg/kg	<25	<25	<25	<25	NA
2-Methylnaphthalene	mg/kg	<25	<25	<25	<25	NA
Naphthalene	mg/kg	<25	<25	<25	<25	NA
Phenanthrene	mg/kg	<16	<16	<16	<16	NA
Pyrene	mg/kg	<8.0	<8.0	<8.0	<8.0	NA

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

mg/l - milligrams per liter, parts per million (ppm)

mg/kg - milligrams per kilogram, parts per million (ppm)

ug/l -micrograms per litter, parts per billion (ppb)

ug/kg -micrograms per kilogram, parts per billion (ppb)

- < number following the '<' symbol is the method detection limit.
- J Estimated Value, Value is below method detection limit.
- B Data flagged by laboratory, defined as 'Blank is Contminanted'
- L Data flagged by laboratory, defined as 'Common lab solvent and contaminant'

NA - Not Analyzed

# TABLE 2 Field Screening Results - Remedial Excavation

## 1738 West National Avenue Milwaukee, Wisconsin

#### May 1996

#### Excavated/Treated Soils

Date	Depth	Odor	PID
Collected	(ft.)		(iu)
5/16/96	6	Yes	1500
5/16/96	8	Yes	1600
5/16/96	10	Yes	1500
5/16/96	11	Yes	1900
5/16/96	6	Yes	2000
5/16/96	8	Yes	1800
5/16/96	10	Yes	1800
5/16/96	11	Yes	1700
5/16/96	6	Yes	1500
5/16/96	8	Yes	2000
5/16/96	10	Yes	1800
5/16/96	11	Yes	1600
5/16/96	6	Yes	2000
5/16/96	8	Yes	1500
5/16/96	10	Yes	1300
5/16/96	11	Yes	1300
5/16/96	6	Yes	2000
5/17/96	8	Yes	1800
5/17/96	10	Yes	1900
5/17/96	11	Yes	1000
5/17/96	6	Yes	1500
5/17/96	8	Yes	1600
5/17/96	10	Yes	1500
5/17/96	11	Yes	1700
5/17/96	6	Yes	1800
5/17/96	8	Yes	1100
5/17/96	8	Yes	1100
5/17/96	10	Yes	1200
5/17/96	10	Yes	1800
5/17/96	8	Yes	1000
5/17/96	8	Yes	1500

# TABLE 2 Field Screening Results - Remedial Excavation

### 1738 West National Avenue Milwaukee, Wisconsin

#### May 1996

#### Overburden Soils

Date	Depth	Odor	PID
Collected	(fl.)		(iu)
5/16/96	2	No	90
5/16/96	2	No	50
5/16/96	3	No	150
5/16/96	3	No	80
5/16/96	3	No	100
5/16/96	2	No	90
5/16/96	2	No	80
5/16/96	3	No	90
5/16/96	3	No	80
5/16/96	3	No	160
5/16/96	2	No	50
5/16/96	2	No	80
5/16/96	3	No	40
5/16/96	3	No	90
5/17/96	2	No	80
5/17/96	3	No	40
5/17/96	3	No	60
5/17/96	2	No	50
5/17/96	2	No	90
5/17/96	2	No	80
5/17/96	3	No	140
5/17/96	3	No	80
5/17/96	2	No	60
5/17/96	2	No	40
5/17/96	2	No	50

#### TABLE 3

#### Analytical data

#### Closure Samples - Waste Characterization Samples

### 1738 West National Avenue Milwaukee, Wisconsin

May 1996

		NR700	IR700 Closure Samples W									Waste Char	racterization						
		Soil	CS-1	CS-2	CS-3	CS-4	CS-5	CS-6	CS-7	CS-8	CS-9	CS-10	CS-11	CS-12	CS-13	CS-14	ТВ	CV-1	CV-2
PARAMETER	UNITS	Standards	8 feet	8 feet	8 feet	8 feet	8 feet	8 feet	8 feet	8 feet	10 feet	12 feet	12 feet	12 feet	12 feet	12 feet		7 feet	7 feet
GRO	mg/kg	100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5,0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	H 500	57
DRO	mg/kg	100	<5.0	9,9	<5.0	<5.0	5.1	7.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.5	NA	6,300	2,500
PVOC																			
Benzene	ug/kg	5,5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<11	<10	<500	M <100
Ethylbenzene	ug/kg	2,900	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<25	1,800	690
MTBE	ug/kg	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<25	<1,300	M <45
Toluene	ug/kg	1,500	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<25	<1,300	310
1,2,4-Trimethylbenzene	ug/kg	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<25	5,700	3,300
1,3,5-Trimethylbenzene	ug/kg	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<25	15,000	1,200
Xylene, Total	ug/kg	4,100	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<83	<75	4,300	1,600

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

mg/kg - milligrams per kilogram, parts per million (ppm)

ug/kg -micrograms per kilogram, parts per billion (ppb)

- < number following the '<' symbol is the method detection limit.
- no value has been established.
- M Data flagged by the laboratory, defined as 'Matrix interference.'
- T Data flagged by the laboratory, defined as 'Does not match typical pattern.'
- H- Late eluting hydrocarbons present

<sup>1</sup> Soil standards of 100 mg/kg or 250 mg/kg shown are for soils with a hydraulic conductivity greater than 1 x 10<sup>-6</sup> cm/sec or less than 1 x 10<sup>-6</sup> cm/sec, respectively

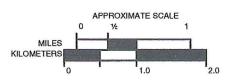
### LIST OF FIGURES

Figure 1: Site Location Map Figure 2: Site Plan



Source: Milwaukee Map Service, Inc., "Milwaukee County and Waukesha County Map & Street Guide," 1993, Milwaukee, Wisconsin

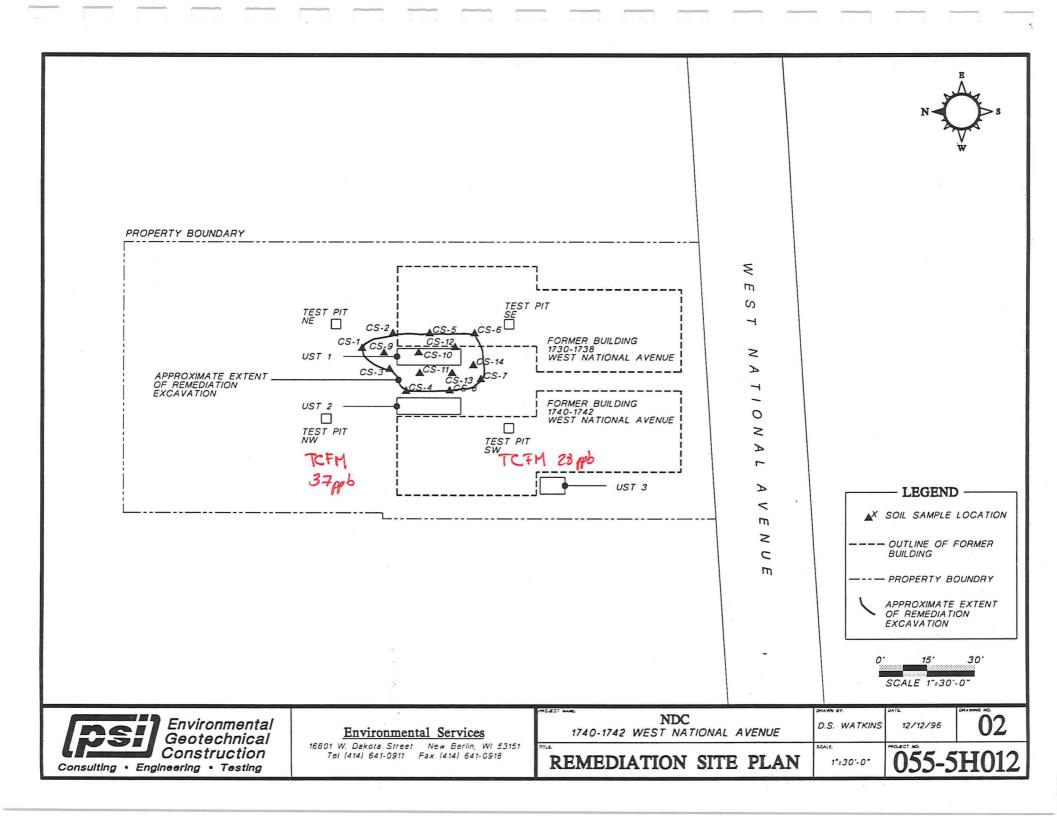




Environmental Geotechnical Construction Consulting • Engineering • Testing

Environmental Services 16601 West Dakota Street New Berlin, Wisconsin 53151 (414) 641-0911 Fax (414) 641-0918

-	PROJECT NAME:	NDC, INCORPORATED	DATE: 9/11/96		
	TITLE:		SCALE:	PROJECT NO:	
8		Site Location Map			



### **APPENDICES**

- A. ANALYTICAL REPORTS
- B. LIST OF MANIFEST TICKETS
- C. RESPONSE ACTION PARTIES

# APPENDIX A ANALYTICAL REPORTS

Tel: (414) 261-1660 Fax: (414) 261-8120

### ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Jon Heberer PSI

16601 W. Dakota Street New Berlin, WI 53151

05/20/1996

Job No: 96.03947

Page 1

Enclosed are the Analytical and Quality Control reports for following samples submitted for analysis:

Sample	Sample Description	Date	Date
Number		Taken	Received
182161	SE-SS6 #6H012	05/06/1996	05/07/1996
182162	NE-SS6 #6H012	05/06/1996	05/07/1996
182163	NW-SS6 #6H012	05/06/1996	05/07/1996
182164	SW-SS7 #6H012	05/06/1996	05/07/1996
182165	Trip Blk #6H012	05/06/1996	05/07/1996

The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time

C = Standard outside of control limits

F = Sample filtered in lab

H = Late eluting hydrocarbons present

J = Estimated concentration

M = Matrix interference

Q = Result confirmed via re-analysis

T = Does not match typical pattern

X = Unidentified compound(s) present

B = Blank is contaminated

D = Diluted for analysis

G = Received past hold time

I = Improperly handled sample

L = Common lab solvent and contaminant

P = Improperly preserved sample

S = Sediment present

W = BOD re-set due to missed dilution

Z = Internal standard outside limits

DeJong, Organic Operations Manager Certification No. 128053530



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182161 Account No: 55670

Page 2

JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: SE-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 10:00

Date Received: 05/07/1996

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total		81.2	ક	n/a	S-5030	05/14/1996	1459
Lead, AA		<4.0	mg/kg	4.0	S-7420	05/10/1996	634 657
DRO Extraction		05/08/96	<b>3</b> , <b>3</b>		WDNR	05/15/1996	
GRO - Nonaqueous		<5.5	mg/kg	5.0	WDNR	05/11/1996	827
DRO - NONAQUEOUS		<5.0	mg/kg	5.0	WDNR	05/16/1996	618 1147
VOC - METHANOL - 8260							
Benzene		<28	ug/kg	25	S-8260	05/13/1996	236
Bromobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Bromodichloromethane		<28	ug/kg	25	S-8260	05/13/1996	236
Bromomethane	В	78	ug/kg	25	S-8260	05/13/1996	236
n-Butylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
sec-Butylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
tert-Butylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Carbon Tetrachloride		<28	ug/kg	25	S-8260	05/13/1996	236
Chlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Chlorodibromomethane		<28	ug/kg	25	S-8260	05/13/1996	236
Chloroethane		< 38	ug/kg	35	S-8260	05/13/1996	236
Chloroform		<28	ug/kg	25	S-8260	05/13/1996	236
Chloromethane		<33	ug/kg	30	S-8260	05/13/1996	236
2-Chlorotoluene		<28	ug/kg	25	S-8260	05/13/1996	236
4-Chlorotoluene		<28	ug/kg	25	S-8260	05/13/1996	236
1,2-Dibromo-3-Chloropropane		<55	ug/kg	50	S-8260	05/13/1996	236
1,2-Dibromoethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,3-Dichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,4-Dichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Dichlorodifluoromethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,1-Dichloroethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichloroethane		<14	ug/kg	13	S-8260	05/13/1996	236
1,1-Dichloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
cis-1,2-Dichloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
trans-1,2-Dichloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichloropropane		<28	ug/kg	25	S-8260	05/13/1996	236
1,3-Dichloropropane		<28	ug/kg	25	S-8260	05/13/1996	236
2,2-Dichloropropane		<28	ug/kg	25	S-8260	05/13/1996	236
Di-isopropylether		<28	ug/kg	25	S-8260	05/13/1996	236



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 120053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182161 Account No: 55670

Page 3

JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: SE-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 10:00

Date Received: 05/07/1996

				Reporting		Date	Prep/Run
Parameter		Results	Units	Limit	Method	Analyzed	Batch
VOC - METHANOL - 8260							
Ethylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Hexachlorobutadiene		<38	ug/kg	35	S-8260	05/13/1996	236
Isopropylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
p-Isopropyltoluene		<28	ug/kg	25	S-8260	05/13/1996	236
Methylene Chloride	L	200	ug/kg	50	S-8260	05/13/1996	236
Methyl-t-butyl ether		<28	ug/kg	25	S-8260	05/13/1996	236
Naphthalene		<28	ug/kg	25	S-8260	05/13/1996	236
n-Propylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,1,2,2-Tetrachloroethane		<28	ug/kg	25	S-8260	05/13/1996	236
Tetrachloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
Toluene		<28	ug/kg	25	S-8260	05/13/1996	236
1,2,3-Trichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,2,4-Trichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,1,1-Trichloroethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,1,2-Trichloroethane		<28	ug/kg	25	S-8260	05/13/1996	236
Trichloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
Trichlorofluoromethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,2,4-Trimethylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,3,5-Trimethylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Vinyl Chloride		<28	ug/kg	25	S-8260	05/13/1996	236
Xylenes, Total		<38	ug/kg	35	S-8260	05/13/1996	236
Surr: Dibromofluoromethane		99.0	¥	n/a	S-8260	05/13/1996	236
Surr: Toluene-d8		103.6	<b>%</b>	n/a	S-8260	05/13/1996	236
Surr: Bromofluorobenzene		87.6	૪	n/a	S-8260	05/13/1996	236
PNA Extraction		05/09/96			S-3550	05/09/1996	156
PNA METHOD 8310 - NONAQUEOUS							
Acenaphthene		<40	ug/kg	40	S-8310	05/13/1996	156 423
Acenaphthylene		<80	ug/kg	80	S-8310	05/13/1996	
Anthracene		<8.0	ug/kg	8.0	S-8310	05/13/1996	
Benzo (a) anthracene		<2.0	ug/kg	2.0	S-8310	05/13/1996	
Benzo(b) fluoranthene		<2.0	ug/kg	2.0	S-8310	05/13/1996	
Benzo(k) fluoranthene		<2.0	ug/kg	2.0	S-8310	05/13/1996	
Benzo(a) pyrene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Benzo(ghi)perylene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Chrysene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Dibenzo(a,h)anthracene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
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Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182161 Account No: 55670

Page 4

JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: SE-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 10:00 Date Received: 05/07/1996

			Reporting	1	Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
PNA METHOD 8310 - NONAQUEOUS						
Fluoranthene	<8.0	ug/kg	8.0	S-8310	05/13/1996	156 423
Fluorene	<16	ug/kg	16	S-8310	05/13/1996	156 423
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	4.0	S-8310	05/13/1996	156 423
1-Methylnaphthalene	<25	ug/kg	25	S-8310	05/13/1996	156 423
2-Methylnaphthalene	<25	ug/kg	25	S-8310	05/13/1996	156 423
Naphthalene	<25	ug/kg	25	S-8310	05/13/1996	156 423
Phenanthrene	<16	ug/kg	16	S-8310	05/13/1996	156 423
Pyrene	<8.0	ug/kg	8.0	S-8310	05/13/1996	156 423
Surr: 2-Fluorobiphenyl	43.3	8	n/a	S-8310	05/13/1996	156 423



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182162 Account No: 55670

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JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: NE-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 11:10

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total		83.9	ક	n/a	S-5030	05/14/1996	1459
Lead, AA		5.7	mg/kg	4.0	S-7420	05/10/1996	
DRO Extraction		05/08/96	573		WDNR	05/15/1996	
GRO - Nonaqueous		<5.5	mg/kg	5.0	WDNR	05/12/1996	827
DRO - NONAQUEOUS		<5.0	mg/kg	5.0	WDNR	05/16/1996	
VOC - METHANOL - 8260							
Benzene		<28	ug/kg	25	S-8260	05/13/1996	236
Bromobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Bromodichloromethane		<28	ug/kg	25	S-8260	05/13/1996	236
Bromomethane	В	70	ug/kg	25	S-8260	05/13/1996	236
n-Butylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
sec-Butylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
tert-Butylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Carbon Tetrachloride		<28	ug/kg	25	S-8260	05/13/1996	236
Chlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Chlorodibromomethane	*	<28	ug/kg	25	S-8260	05/13/1996	236
Chloroethane		<38	ug/kg	35	S-8260	05/13/1996	236
Chloroform		<28	ug/kg	25	S-8260	05/13/1996	236
Chloromethane		220	ug/kg	30	S-8260	05/13/1996	236
2-Chlorotoluene		<28	ug/kg	25	S-8260	05/13/1996	236
4-Chlorotoluene		<28	ug/kg	25	S-8260	05/13/1996	236
1,2-Dibromo-3-Chloropropane		<55	ug/kg	50	S-8260	05/13/1996	236
1,2-Dibromoethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,3-Dichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,4-Dichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Dichlorodifluoromethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,1-Dichloroethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichloroethane		<14	ug/kg	13	S-8260	05/13/1996	236
1,1-Dichloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
cis-1,2-Dichloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
trans-1,2-Dichloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichloropropane		<28	ug/kg	25	S-8260	05/13/1996	236
1,3-Dichloropropane		<28	ug/kg	25	S-8260	05/13/1996	236
2,2-Dichloropropane		<28	ug/kg	25	S-8260	05/13/1996	236
Di-isopropylether		<28	ug/kg	25	S-8260	05/13/1996	236



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WDNR No. 120053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182162 Account No: 55670

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JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: NE-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 11:10

				Reporting		Date	Prep/Run
Parameter		Results	Units	Limit	Method	Analyzed	Batch
VOC - METHANOL - 8260						<del>-</del>	
Ethylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Hexachlorobutadiene		<38	ug/kg	35	S-8260	05/13/1996	236
Isopropylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
p-Isopropyltoluene		<28	ug/kg	25	S-8260	05/13/1996	236
Methylene Chloride	L	190	ug/kg	50	S-8260	05/13/1996	236
Methyl-t-butyl ether		<28	ug/kg	25	S-8260	05/13/1996	236
Naphthalene		<28	ug/kg	25	S-8260	05/13/1996	236
n-Propylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,1,2,2-Tetrachloroethane		<28	ug/kg	25	S-8260	05/13/1996	236
Tetrachloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
Toluene		<28	ug/kg	25	S-8260	05/13/1996	236
1,2,3-Trichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,2,4-Trichlorobenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,1,1-Trichloroethane		<28	ug/kg	25	S-8260	05/13/1996	236
1,1,2-Trichloroethane		<28	ug/kg	25	S-8260	05/13/1996	236
Trichloroethene		<28	ug/kg	25	S-8260	05/13/1996	236
Trichlorofluoromethane		<28	ug/kg	.25	S-8260	05/13/1996	236
1,2,4-Trimethylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
1,3,5-Trimethylbenzene		<28	ug/kg	25	S-8260	05/13/1996	236
Vinyl Chloride		<28	ug/kg	25	S-8260	05/13/1996	236
Xylenes, Total		<38	ug/kg	35	S-8260	05/13/1996	236
Surr: Dibromofluoromethane		102.0	8	n/a	S-8260	05/13/1996	236
Surr: Toluene-d8		100.0	용	n/a	S-8260	05/13/1996	236
Surr: Bromofluorobenzene		88.8	ક	n/a	S-8260	05/13/1996	236
PNA Extraction		05/09/96			S-3550	05/09/1996	156
PNA METHOD 8310 - NONAQUEOUS							
Acenaphthene		<40	ug/kg	40	S-8310	05/13/1996	156 423
Acenaphthylene		<80	ug/kg	80	S-8310	05/13/1996	156 423
Anthracene		<8.0	ug/kg	8.0	S-8310	05/13/1996	156 423
Benzo(a)anthracene		<2.0	ug/kg	2.0	S-8310	05/13/1996	156 423
Benzo(b)fluoranthene		<2.0	ug/kg	2.0	S-8310	05/13/1996	156 423
Benzo(k)fluoranthene		<2.0	ug/kg	2.0	S-8310	05/13/1996	
Benzo(a)pyrene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Benzo(ghi)perylene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Chrysene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Dibenzo(a,h)anthracene		<4.0	ug/kg	4.0	S-8310	05/13/1996	156 423



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WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/20/1996 Job No: 96.03947 Sample No: 182162 Account No: 55670 Page 7

JOB DESCRIPTION: #6H012 NDC Inc, PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: NE-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 11:10

			Reporting	ı	Date Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed Batch
PNA METHOD 8310 - NONAQUEOUS					
Fluoranthene	<8.0	ug/kg	8.0	S-8310	05/13/1996 156 423
Fluorene	<16	ug/kg	16	S-8310	05/13/1996 156 423
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	4.0	S-8310	05/13/1996 156 423
1-Methylnaphthalene	<25	ug/kg	25	S-8310	05/13/1996 156 423
2-Methylnaphthalene	<25	ug/kg	25	S-8310	05/13/1996 156 423
Naphthalene	<25	ug/kg	25	S-8310	05/13/1996 156 423
Phenanthrene	<16	ug/kg	16	S-8310	05/13/1996 156 423
Pyrene	<8.0	ug/kg	8.0	S-8310	05/13/1996 156 423
Surr: 2-Fluorobiphenvl	80.8	*	n/a	S-8310	05/13/1996 156 423



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WDNR No: 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182163 Account No: 55670

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JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: NW-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 12:00

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total		82.6	ક	n/a	S-5030	05/14/1996	1459
Lead, AA		7.6	mg/kg	4.0	S-7420	05/10/1996	634 657
DRO Extraction		05/08/96			WDNR	05/15/1996	618
GRO - Nonaqueous		<5.0	mg/kg	5.0	WDNR	05/12/1996	827
DRO - NONAQUEOUS		5.1	mg/kg	5.0	WDNR	05/16/1996	618 1147
VOC - METHANOL - 8260							
Benzene		<25	ug/kg	25	S-8260	05/13/1996	236
Bromobenzene		<25	ug/kg	25	S-8260	05/13/1996	236
Bromodichloromethane		<25	ug/kg	25	S-8260	05/13/1996	236
Bromomethane	В	79	ug/kg	25	S-8260	05/13/1996	236
n-Butylbenzene		<25	ug/kg	25	S-8260	05/13/1996	236
sec-Butylbenzene		<25	ug/kg	25	S-8260	05/13/1996	236
tert-Butylbenzene		<25	ug/kg	25	S-8260	05/13/1996	236
Carbon Tetrachloride		<25	ug/kg	25	S-8260	05/13/1996	236
Chlorobenzene		<25	ug/kg	25	S82.60	05/13/1996	236
Chlorodibromomethane		<25	ug/kg	25	S-8260	05/13/1996	236
Chloroethane		<35	ug/kg	35	S-8260	05/13/1996	236
Chloroform		<25	ug/kg	25	S-8260	05/13/1996	236
Chloromethane		< 30	ug/kg	30	S-8260	05/13/1996	236
2-Chlorotoluene		<25	ug/kg	25	S-8260	05/13/1996	236
4-Chlorotoluene		<25	ug/kg	25	S-8260	05/13/1996	236
1,2-Dibromo-3-Chloropropane		<50	ug/kg	50	S-8260	05/13/1996	236
1,2-Dibromoethane		<25	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichlorobenzene		<25	ug/kg	25	S-8260	05/13/1996	236
1,3-Dichlorobenzene		<25	ug/kg	25	S-8260	05/13/1996	236
1,4-Dichlorobenzene		<25	ug/kg	25	S-8260	05/13/1996	236
Dichlorodifluoromethane		<25	ug/kg	25	S-8260	05/13/1996	236
1,1-Dichloroethane		<25	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichloroethane		<13	ug/kg	13	S-8260	05/13/1996	236
1,1-Dichloroethene		<25	ug/kg	25	S-8260	05/13/1996	236
cis-1,2-Dichloroethene		<25	ug/kg	25	S-8260	05/13/1996	236
trans-1,2-Dichloroethene		<25	ug/kg	25	S-8260	05/13/1996	236
1,2-Dichloropropane		<25	ug/kg	25	S-8260	05/13/1996	236
1,3-Dichloropropane		<25	ug/kg	25	S-8260	05/13/1996	236
2,2-Dichloropropane		<25	ug/kg	25	S-8260	05/13/1996	236
Di-isopropylether		<25	ug/kg	25	S-8260	05/13/1996	236



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WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182163 Account No: 55670

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JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: NW-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 12:00

				Reporting		Date	Prep/Run
Parameter		Results	Units	Limit	Method	Analyzed	Batch
VOC - METHANOL - 8260							
Ethylbenzene		<25	ug/kg	25	S-8260	05/13/1996	236
Hexachlorobutadiene		<35	ug/kg	35	S-8260	05/13/1996	236
Isopropylbenzene		<25	ug/kg	25	S-8260	05/13/1996	236
p-Isopropyltoluene		<25	ug/kg	25	S-8260	05/13/1996	236
Methylene Chloride	L	120	ug/kg	50	S-8260	05/13/1996	236
Methyl-t-butyl ether		<25	ug/kg	25	S-8260	05/13/1996	236
Naphthalene		<25	ug/kg	25	S-8260	05/13/1996	236
n-Propylbenzene		<25	ug/kg	25	S-8260	05/13/1996	236
1,1,2,2-Tetrachloroethane		<25	ug/kg	25	S-8260	05/13/1996	236
Tetrachloroethene		<25	ug/kg	25	S-8260	05/13/1996	236
Toluene		<25	ug/kg	25	S-8260	05/13/1996	236
1,2,3-Trichlorobenzene		<25	ug/kg	25	S-8260	05/13/1996	236
1,2,4-Trichlorobenzene		<25	ug/kg	25	S-8260	05/13/1996	236
1,1,1-Trichloroethane		<25	ug/kg	25	S-8260	05/13/1996	236
1,1,2-Trichloroethane		<25	ug/kg	25	S-8260	05/13/1996	236
Trichloroethene		<25	ug/kg	25	S-8260	05/13/1996	236
Trichlorofluoromethane		37	ug/kg	25	S-8260	05/13/1996	236
1,2,4-Trimethylbenzene		<25	ug/kg	25	S-8260	05/13/1996	236
1,3,5-Trimethylbenzene		<25	ug/kg	25	S-8260	05/13/1996	236
Vinyl Chloride		<25	ug/kg	25	S-8260	05/13/1996	236
Xylenes, Total		<35	ug/kg	35	S-8260	05/13/1996	236
Surr: Dibromofluoromethane		100.2	ક	n/a	S-8260	05/13/1996	236
Surr: Toluene-d8		100.8	૪	n/a	S-8260	05/13/1996	236
Surr: Bromofluorobenzene		90.2	ક	n/a	S-8260	05/13/1996	236
PNA Extraction		05/09/96			S-3550	05/09/1996	156
PNA METHOD 8310 - NONAQUEOUS							
Acenaphthene		<40	ug/kg	40	S-8310	05/13/1996	156 423
Acenaphthylene		<80	ug/kg ug/kg	80	S-8310	05/13/1996	
Anthracene		<8.0	ug/kg ug/kg	8.0	S-8310	05/13/1996	
Benzo(a) anthracene		<2.0	ug/kg ug/kg	2.0	S-8310 S-8310	05/13/1996	
Benzo(b) fluoranthene		<2.0	ug/kg ug/kg	2.0	S-8310	05/13/1996	
Benzo(k) fluoranthene		<2.0	ug/kg ug/kg	2.0	S-8310 S-8310	05/13/1996	
		<4.0	ug/kg ug/kg	4.0	S-8310	05/13/1996	
Benzo(a) pyrene		<4.0	ug/kg ug/kg	4.0	S-8310 S-8310	05/13/1996	
Benzo(ghi)perylene		<4.0	ug/kg ug/kg	4.0	S-8310 S-8310	05/13/1996	
Chrysene		<4.0	ug/kg ug/kg	4.0	S-8310 S-8310	05/13/1996	
Dibenzo(a,h)anthracene		<4.U	ug/kg	4.0	9-03TO	03/13/1330	100 420



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WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/20/1996 Job No: 96.03947 Sample No: 182163 Account No: 55670

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JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: NW-SS6 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 12:00 Date Received: 05/07/1996

			Reporting		Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
PNA METHOD 8310 - NONAQUEOUS						
Fluoranthene	<8.0	ug/kg	8.0	S-8310	05/13/1996	156 423
Fluorene	<16	ug/kg	16	S-8310	05/13/1996	156 423
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	4.0	S-8310	05/13/1996	156 423
1-Methylnaphthalene	<25 <sup>-</sup>	ug/kg	25	S-8310	05/13/1996	156 423
2-Methylnaphthalene	<25	ug/kg	25	S-8310	05/13/1996	156 423
Naphthalene	<25	ug/kg	25	S-8310	05/13/1996	156 423
Phenanthrene	<16	ug/kg	16	S-8310	05/13/1996	156 423
Pyrene	<8.0	ug/kg	8.0	S-8310	05/13/1996	156 423
Surr: 2-Fluorobiphenyl	72.4	8	n/a	S-8310	05/13/1996	156 423



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WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

Date Taken: 05/06/1996

05/20/1996

Job No: 96.03947 Sample No: 182164 Account No: 55670

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JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: SW-SS7 #6H012 Recv'd On Ice

13:00

				Reporting		Date	Prep/Run
Parameter		Results	Units	Limit	Method	Analyzed	Batch
Solids, Total		84.2	ક	n/a	S-5030	05/14/1996	1459
Lead, AA		7.8	mg/kg	4.0	S-7420	05/10/1996	634 657
DRO Extraction		05/08/96			WDNR	05/15/1996	618
GRO - Nonaqueous		<5.5	mg/kg	5.0	WDNR	05/13/1996	828
DRO - NONAQUEOUS		<5.0	mg/kg	5.0	WDNR	05/16/1996	618 1147
VOC - METHANOL - 8260							
Benzene		<28	ug/kg	25	S-8260	05/17/1996	237
Bromobenzene		<28	ug/kg	25	S-8260	05/17/1996	237
Bromodichloromethane		<28	ug/kg	25	S-8260	05/17/1996	237
Bromomethane	В	31	ug/kg	25	S-8260	05/17/1996	237
n-Butylbenzene		<28	ug/kg	25	S-8260	05/17/1996	237
sec-Butylbenzene		<28	ug/kg	25	S-8260	05/17/1996	237
tert-Butylbenzene		<28	ug/kg	25	S-8260	05/17/1996	237
Carbon Tetrachloride		<28	ug/kg	25	S-8260	05/17/1996	237
Chlorobenzene		<28	ug/kg	25	S-8260	05/17/1996	237
Chlorodibromomethane		<28	ug/kg	25	S-8260	05/17/1996	237
Chloroethane		<38	ug/kg	35	S-8260	05/17/1996	237
Chloroform		<28	ug/kg	25	S-8260	05/17/1996	237
Chloromethane		<33	ug/kg	30	S-8260	05/17/1996	237
2-Chlorotoluene		<28	ug/kg	25	S-8260	05/17/1996	237
4-Chlorotoluene		<28	ug/kg	- 25	S-8260	05/17/1996	237
1,2-Dibromo-3-Chloropropane		<55	ug/kg	50	S-8260	05/17/1996	237
1,2-Dibromoethane		<28	ug/kg	25	S-8260	05/17/1996	237
1,2-Dichlorobenzene		<28	ug/kg	25	S-8260	05/17/1996	237
1,3-Dichlorobenzene		<28	ug/kg	25	S-8260	05/17/1996	237
1,4-Dichlorobenzene		<28	ug/kg	25	S-8260	05/17/1996	237
Dichlorodifluoromethane		<28	ug/kg	25	S-8260	05/17/1996	237
1,1-Dichloroethane		<28	ug/kg	25	S-8260	05/17/1996	237
1,2-Dichloroethane		<14	ug/kg	13	S-8260	05/17/1996	237
1,1-Dichloroethene		<28	ug/kg	25	S-8260	05/17/1996	237
cis-1,2-Dichloroethene		<28	ug/kg	25	S-8260	05/17/1996	237
trans-1,2-Dichloroethene		<28	ug/kg	25	S-8260	05/17/1996	237
1,2-Dichloropropane		<28	ug/kg	25	S-8260	05/17/1996	237
1,3-Dichloropropane		<28	ug/kg	25	S-8260	05/17/1996	237
2,2-Dichloropropane		<28	ug/kg	25	S-8260	05/17/1996	237
Di-isopropylether		<28	ug/kg	25	S-8260	05/17/1996	237



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WDNR No: 128053530 --

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/20/1996

Job No: 96.03947 Sample No: 182164 Account No: 55670

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JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: SW-SS7 #6H012

Recv'd On Ice

Date Taken: 05/06/1996

13:00

				Reporting		Date	Prep/Run
Parameter		Results	Units	Limit	Method	Analyzed	Batch
VOC - METHANOL - 8260			0112.02	2220	11001100		
Ethylbenzene		<28	ug/kg	25	S-8260	05/17/1996	237
Hexachlorobutadiene		<38	ug/kg	35	S-8260	05/17/1996	237
Isopropylbenzene		<28	ug/kg	25	S-8260	05/17/1996	237
p-Isopropyltoluene		<28	ug/kg	25	S-8260	05/17/1996	237
Methylene Chloride	L	98	ug/kg	50	S-8260	05/17/1996	237
Methyl-t-butyl ether	_	<28	ug/kg	25	S-8260	05/17/1996	237
Naphthalene		<28	ug/kg	25	S-8260	05/17/1996	237
n-Propylbenzene		<28	ug/kg	25	S-8260	05/17/1996	237
1,1,2,2-Tetrachloroethane		<28	ug/kg	25	S-8260	05/17/1996	237
Tetrachloroethene		<28	ug/kg	25	S-8260	05/17/1996	237
Toluene		<28	ug/kg	25	S-8260	05/17/1996	237
1,2,3-Trichlorobenzene		<28	ug/kg	25	S-8260	05/17/1996	237
1,2,4-Trichlorobenzene		<28	ug/kg	25	S-8260	05/17/1996	237
1,1,1-Trichloroethane		<28	ug/kg	25	S-8260	05/17/1996	237
1,1,2-Trichloroethane		<28	ug/kg	25	S-8260	05/17/1996	237
Trichloroethene			ug/kg	25	S-8260	05/17/1996	237
Trichlorofluoromethane		28	ug/kg	25	S-8260	05/17/1996	237
1,2,4-Trimethylbenzene		<28	ug/kg	25	S-8260	05/17/1996	237
1,3,5-Trimethylbenzene		<28	ug/kg	25	S-8260	05/17/1996	237
Vinyl Chloride		<28	ug/kg	25	S-8260	05/17/1996	237
Xylenes, Total		<38	ug/kg	35	S-8260	05/17/1996	237
Surr: Dibromofluoromethane		99.2	%	n/a	S-8260	05/17/1996	237
Surr: Toluene-d8		103.6	ş	n/a	S-8260	05/17/1996	237
Surr: Bromofluorobenzene		92.0	8	n/a	S-8260	05/17/1996	237
PNA Extraction		05/09/96	Ţ	, u	S-3550	05/09/1996	
		,,			2 0110	00,00,000	
PNA METHOD 8310 - NONAOUEOUS							
Acenaphthene		<40	ug/kg	40	S-8310	05/13/1996	156 423
Acenaphthylene		<80	ug/kg	80	S-8310	05/13/1996	
Anthracene		<8.0	ug/kg	8.0	S-8310	05/13/1996	
Benzo(a)anthracene		<2.0	ug/kg	2.0	S-8310	05/13/1996	
Benzo(b) fluoranthene		<2.0	ug/kg	2.0	S-8310	05/13/1996	
Benzo(k) fluoranthene		<2.0	ug/kg	2.0	S-8310	05/13/1996	
Benzo(a) pyrene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Benzo (ghi) perylene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Chrysene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
Dibenzo(a,h)anthracene		<4.0	ug/kg	4.0	S-8310	05/13/1996	
			-3, -3			,,	



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182164 Account No: 55670

Page 13

JOB DESCRIPTION: #6H012 NDC Inc PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: SW-SS7 #6H012 Recv'd On Ice

Date Taken: 05/06/1996 13:00 Date Received: 05/07/1996

			Reporting	J	Date	Prep/Run	
Parameter	Results	Units	Limit	Method	Analyzed	Batch	
PNA METHOD 8310 - NONAQUEOUS							
Fluoranthene	<8.0	ug/kg	8.0	S-8310	05/13/1996	156 423	
Fluorene	<16	ug/kg	16	S-8310	05/13/1996	156 423	
Indeno(1,2,3-cd)pyrene	<4.0	ug/kg	4.0	S-8310	05/13/1996	156 423	
1-Methylnaphthalene	<25	ug/kg	25	S-8310	05/13/1996	156 423	
2-Methylnaphthalene	<25	ug/kg	25	S-8310	05/13/1996	156 423	
Naphthalene	<25	ug/kg	25	S-8310	05/13/1996	156 423	
Phenanthrene	<16	ug/kg	16	S-8310	05/13/1996	156 423	
Pyrene	<8.0	ug/kg	8.0	S-8310	05/13/1996	156 423	
Surr: 2-Fluorobiphenyl	73.7	ક	n/a	S-8310	05/13/1996	156 423	



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WDNR-No. 128053530-

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/20/1996

Job No: 96.03947 Sample No: 182165 Account No: 55670

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JOB DESCRIPTION: PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

#6H012 NDC Inc Soil Analysis Trip Blk #6H012 Recv'd On Ice

05/06/1996 Date Taken:

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
GRO - Nonaqueous	<5.0	mg/kg	5.0	WDNR	05/11/1996	827
VOC - METHANOL - 8260						
Benzene	<25	ug/kg	25	S-8260	05/17/1996	237
Bromobenzene	<25	ug/kg	25	S-8260	05/17/1996	237
Bromodichloromethane	<25	ug/kg	25	S-8260	05/17/1996	237
Bromomethane B	52	ug/kg	25	S-8260	05/17/1996	237
n-Butylbenzene	<25	ug/kg	25	S-8260	05/17/1996	237
sec-Butylbenzene	<25	ug/kg	25	S-8260	05/17/1996	237
tert-Butylbenzene	<25	ug/kg	25	S-8260	05/17/1996	237
Carbon Tetrachloride	<25	ug/kg	25	S-8260	05/17/1996	237
Chlorobenzene	<25	ug/kg	25	S-8260	05/17/1996	237
Chlorodibromomethane	<25	ug/kg	25	S-8260	05/17/1996	237
Chloroethane	<35	ug/kg	35	S-8260	05/17/1996	2,37
Chloroform	<25	ug/kg	25	S-8260	05/17/1996	237
Chloromethane	<30	ug/kg	30	S-8260	05/17/1996	237
2-Chlorotoluene	<25	ug/kg	25	S-8260	05/17/1996	237
4-Chlorotoluene	<25	ug/kg	25	S-8260	05/17/1996	237
1,2-Dibromo-3-Chloropropane	<50	ug/kg	50	S-8260	05/17/1996	237
1,2-Dibromoethane	<25	ug/kg	25	S-8260	05/17/1996	237
1,2-Dichlorobenzene	<25	ug/kg	25	S-8260	05/17/1996	237
1,3-Dichlorobenzene	<25	ug/kg	25	S-8260	05/17/1996	237
1,4-Dichlorobenzene	<25	ug/kg	25	S-8260	05/17/1996	237
Dichlorodifluoromethane	<25	ug/kg	25	S-8260	05/17/1996	237
1,1-Dichloroethane	<25	ug/kg	25	S-8260	05/17/1996	237
1,2-Dichloroethane	<13	ug/kg	13	S-8260	05/17/1996	237
1,1-Dichloroethene	<25	ug/kg	25	S-8260	05/17/1996	237
cis-1,2-Dichloroethene	<25	ug/kg	25	S-8260	05/17/1996	237
trans-1,2-Dichloroethene	<25	ug/kg	25	S-8260	05/17/1996	237
1,2-Dichloropropane	<25	ug/kg	25	S-8260	05/17/1996	237
1,3-Dichloropropane	<25	ug/kg	25	S-8260	05/17/1996	237
2,2-Dichloropropane	<25	ug/kg	25	S-8260	05/17/1996	237
Di-isopropylether	<25	ug/kg	25	S-8260	05/17/1996	237
Ethylbenzene	<25	ug/kg	25	S-8260	05/17/1996	237
Hexachlorobutadiene	<35	ug/kg	35	S-8260	05/17/1996	237
Isopropylbenzene	<25	ug/kg	25	S-8260	05/17/1996	237
p-Isopropyltoluene	<25	ug/kg	25	S-8260	05/17/1996	237
NA 10						



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/20/1996

Job No: 96.03947 Sample No: 182165 Account No: 55670

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JOB DESCRIPTION: #6F PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

#6H012 NDC Inc N: Soil Analysis I: Trip Blk #6H012 Recv'd On Ice

Date Taken: 05/06/1996

				Reporting		Date	Prep/Run
Parameter		Results	Units	Limit	Method	Analyzed	Batch
VOC - METHANOL - 8260							
Methylene Chloride	$\mathbf{L}_{\perp}$	43	ug/kg	50	S-8260	05/17/1996	237
Methyl-t-butyl ether		<25	ug/kg	25	S-8260	05/17/1996	237
Naphthalene		<25	ug/kg	25	S-8260	05/17/1996	237
n-Propylbenzene		<25	ug/kg	25	S-8260	05/17/1996	237
1,1,2,2-Tetrachloroethane		<25	ug/kg	25	S-8260	05/17/1996	237
Tetrachloroethene		<25	ug/kg	25	S-8260	05/17/1996	237
Toluene		<25	ug/kg	25	S-8260	05/17/1996	237
1,2,3-Trichlorobenzene		<25	ug/kg	25	S-8260	05/17/1996	237
1,2,4-Trichlorobenzene		<25	ug/kg	25	S-8260	05/17/1996	237
1,1,1-Trichloroethane		<25	ug/kg	25	S-8260	05/17/1996	237
1,1,2-Trichloroethane		<25	ug/kg	25	S-8260	05/17/1996	237
Trichloroethene		<25	ug/kg	25	S-8260	05/17/1996	237
Trichlorofluoromethane		<25	ug/kg	25	S-8260	05/17/1996	237
1,2,4-Trimethylbenzene		<25	ug/kg	25	S-8260	05/17/1996	237
1,3,5-Trimethylbenzene		<25	ug/kg	25	S-8260	05/17/1996	237
Vinyl Chloride		<25	ug/kg	25	S-8260	05/17/1996	237
Xylenes, Total		<35	ug/kg	35	S-8260	05/17/1996	237
Surr: Dibromofluoromethane		100.4	8	n/a	S-8260	05/17/1996	237
Surr: Toluene-d8		101.2	ક્ષ	n/a	S-8260	05/17/1996	237
Surr: Bromofluorobenzene		90.8	ક	n/a	S-8260	05/17/1996	237



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Tel: (414) 261-1660 Fax: (414) 261-8120 WDNR No. 128053530

## ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359

Page 1

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

183778       CS-2       #5H007       05/17/1996       05/17/1996         183779       CS-3       #5H007       05/17/1996       05/17/1996         183780       CS-4       #5H007       05/17/1996       05/17/1996         183781       CS-5       #5H007       05/17/1996       05/17/1996         183783       CS-6       #5H007       05/17/1996       05/17/1996         183784       CS-8       #5H007       05/17/1996       05/17/1996         183785       CS-9       #5H007       05/17/1996       05/17/1996         183786       CS-10       #5H007       05/17/1996       05/17/1996         183788       CS-12       #5H007       05/17/1996       05/17/1996         183789       CS-13       #5H007       05/17/1996       05/17/1996	Sample Number	Sample Description	Date Taken	Date Received
	183778 183779 183780 183781 183782 183783 183784 183785 183786 183787 183788 183789 183790	CS-2 #5H007 CS-3 #5H007 CS-4 #5H007 CS-5 #5H007 CS-6 #5H007 CS-7 #5H007 CS-8 #5H007 CS-9 #5H007 CS-10 #5H007 CS-11 #5H007 CS-11 #5H007 CS-12 #5H007 CS-13 #5H007 CS-14 #5H007	05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996	05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996 05/17/1996

The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- A = Analyzed/extracted past hold time
- C = Standard outside of control limits
- F = Sample filtered in lab
- H = Late eluting hydrocarbons present
- J = Estimated concentration
- M = Matrix interference
- Q = Result confirmed via re-analysis
- T = Does not match typical pattern
- X = Unidentified compound(s) present

- B = Blank is contaminated
- D = Diluted for analysis
- G = Received past hold time
- I = Improperly handled sample
- L = Common lab solvent and contaminant
- P = Improperly preserved sample
- S = Sediment present
- W = BOD re-set due to missed dilution
- Z/= Internal standard outside limits

Brian D. DeJong, Organic Operations Manager Certification No. 128053530



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

## ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359

Page 2

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample	Sample Description	Date	Date
Number		Taken	Received
183792	CV-1 #5H007	05/16/1996	05/17/1996
183793	CV-2 #5H007	05/16/1996	05/17/1996

The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time

C = Standard outside of control limits

F = Sample filtered in lab

H = Late eluting hydrocarbons present

J = Estimated concentration

M = Matrix interference

Q = Result confirmed via re-analysis

T = Does not match typical pattern

X = Unidentified compound(s) present

B = Blank is contaminated

D = Diluted for analysis

G = Received past hold time

I = Improperly handled sample

L = Common lab solvent and contaminant

P = Improperly preserved sample

S = Sediment present

W = BOD re-set due to missed dilution

Z = Internal standard outside limits

Brian D. DeJong, Organic Operations Manager Certification No. 128053530



Fax: (414) 261-1660 Fax: (414) 261-8120 WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359 Sample No: 183777 Account No: 55670

Page 3

JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-1 #5H007 Recv'd On Ice

Date Taken: 05/17/1996 08:00

			Reporting		Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1386
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1386
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1386
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1386
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1386
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1386
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1386
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1386
Surr: Bromofluorobenzene	93.0	ક	n/a	S-8020	05/24/1996	1386
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/29/1996	627 1161



WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183778 Account No: 55670

Page 4

JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-2 #5H007 Recv'd On Ice

Date Taken: 05/17/1996

08:15

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
DRO Extraction PVOC - NONAOUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1386
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1386
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1386
Toluene	<25	uq/kq	25	S-8020	05/24/1996	1386
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1386
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1386
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1386
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1386
Surr: Bromofluorobenzene	96.0	8	n/a	S-8020	05/24/1996	1386
DRO - NONAQUEOUS	9.9	mg/kg	5.0	WDNR	05/29/1996	627 1161



Fax: (414) 261-8120 WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359 Sample No: 183779 Account No: 55670

Page 5

JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-3 #5H007

Recv'd On Ice

Date Taken: 05/17/1996 08:30

			Reporting		Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	97.5	<b>ક</b>	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/29/1996	627 1161



WDNR No. 128053530

### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183780 Account No: 55670

Page 6

JOB DESCRIPTION: #5H007 1717 W Pierce PROJECT DESCRIPTION: Soil Analysis

SAMPLE DESCRIPTION:

CS-4 #5H007

Recv'd On Ice

Date Taken: 05/17/1996

08:40

			Reporting	ŗ	Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
RO Extraction	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
hylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
'BE	<25	ug/kg	25	S-8020	05/24/1996	1387
°oluene	<25	ug/kg	25	S-8020	05/24/1996	1387
,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
lenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
RO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
rr: Bromofluorobenzene	88.0	8	n/a	S-8020	05/24/1996	1387
O - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/29/1996	627 1161



WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359 Sample No: 183781 Account No: 55670

Page 7

JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-5 #5H007

Recv'd On Ice

Date Taken: 05/17/1996 08:55

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	97.0	<b>ક</b>	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	5.1	mg/kg	5.0	WDNR	05/29/1996	627 1161



Fax: (414) 261-8120 WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359 Sample No: 183782 Account No: 55670

Page 8

JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-6 #5H007 Recv'd On Ice

Date Taken: 05/17/1996 09:15

			Reporting		Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	91.5	8	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	7.7	mg/kg	5.0	WDNR	05/30/1996	627 1161



WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183783 Account No: 55670

Page 9

JOB DESCRIPTION:, #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-7 #5H007 Recv'd On Ice

Date Taken: 05/17/1996 09:25

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
DRO Extraction	05/18/96			WDNR	05/29/1996	627
PVOC - NONAQUEOUS						
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	97.5	*	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/30/1996	627 1161



WDNR No. 128053530

### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359 Sample No: 183784 Account No: 55670

Page 10

JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-8 #5H007 Recv'd On Ice

Date Taken: 05/17/1996 09:40

	D	**. *	Reporting		Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	103.5	ક	n/a	S-8020	05/24/1996	1387
DRO - NONAOUEOUS	<5.0	mg/kg	5.0	WDNR	05/30/1996	627 1161



WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359 Sample No: 183785 Account No: 55670

Page 11

JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-9 #5H007

Recv'd On Ice

Date Taken: 05/17/1996 09:50

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	103.0	ક	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/30/1996	627 1161



Fax: (414) 261-8120 WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183786 Account No: 55670

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JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-10 #5H007 Recv'd On Ice

Date Taken: 05/17/1996 10:00

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
14141110001						
DRO Extraction	05/18/96			WDNR	05/29/1996	627
PVOC - NONAQUEOUS	• •					
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	99.0	8	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/30/1996	627 1161



WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359 Sample No: 183787 Account No: 55670

Page 13

JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-11 #5H007 Recv'd On Ice

Date Taken:

05/17/1996 10:10

Date Received:

05/17/1996

			•	Date	Prep/Run	
Parameter	Results	Units	Limit	Method	Analyzed	Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	95.0	૪	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/30/1996	627 1161



Fax: (414) 261-8120

WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183788 Account No: 55670

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JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-12 #5H007 Recv'd On Ice

Date Taken: 05/17/1996 10:30

			Reporting		Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	105.5	ક	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/30/1996	627 1161



Fax: (414) 261-8120

WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183789 Account No: 55670

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JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-13 #5H007 Recv'd On Ice

Date Taken: 05/17/1996

10:45

			Reporting	Date	Prep/Run	
Parameter	Results	Units	Limit	Method	Analyzed	Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	104.0	8	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/30/1996	627 1161



WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183790 Account No: 55670

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JOB DESCRIPTION: #5H007 1717 W Pierce

PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis CS-14 #5H007

Recv'd On Ice

11:00

Date Taken: 05/17/1996

			Date	Prep/Run		
Parameter	Results	Units	Limit	Method	Analyzed	Batch
DRO Extraction PVOC - NONAQUEOUS	05/18/96			WDNR	05/29/1996	627
Benzene	<11	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<28	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<28	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<28	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<28	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<28	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<83	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.5	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	100.0	ક	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	05/30/1996	627 1161



Fax: (414) 261-8120 WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street

16601 W. Dakota Street New Berlin, WI 53151 05/30/1996

Job No: 96.04359 Sample No: 183791 Account No: 55670

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JOB DESCRIPTION: #5H007 1717 W Pierce PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: Trip Blk #5H007

Recv'd On Ice

Date Taken: 05/17/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
PVOC - NONAQUEOUS						
Benzene	<10	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
MTBE	<25	ug/kg	25	S-8020	05/24/1996	1387
Toluene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total	<75	ug/kg	75	S-8020	05/24/1996	1387
GRO	<5.0	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene	101.0	<b>%</b>	n/a	S-8020	05/24/1996	1387



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183792 Account No: 55670

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JOB DESCRIPTION: #5H007 1717 W Pierce PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: CV-1 #5H007 Recv'd On Ice

Date Taken: 05/16/1996

				Date	Prep/Run		
Parameter	Parameter		Units	Limit	Method	Analyzed	Batch
DRO Extraction		05/18/96			WDNR	05/29/1996	627
PVOC - NONAQUEOUS							
Benzene		<500	ug/kg	10	S-8020	05/24/1996	1387
Ethylbenzene		1,800	ug/kg	25	S-8020	05/24/1996	1387
MTBE		<1,300	ug/kg	25	S-8020	05/24/1996	1387
Toluene		<1,300	ug/kg	25	S-8020	05/24/1996	1387
1,2,4-Trimethylbenzene		5,700	ug/kg	25	S-8020	05/24/1996	1387
1,3,5-Trimethylbenzene		15,000	ug/kg	25	S-8020	05/24/1996	1387
Xylenes, Total		4,300	ug/kg	75	S-8020	05/24/1996	1387
GRO	H	500	mg/kg	5.0	WDNR	05/24/1996	1387
Surr: Bromofluorobenzene		105.0	8	n/a	S-8020	05/24/1996	1387
DRO - NONAQUEOUS		6,300	mg/kg	5.0	WDNR	05/30/1996	627 1161



WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

05/30/1996

Job No: 96.04359 Sample No: 183793 Account No: 55670

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#5H007 1717 W Pierce JOB DESCRIPTION: PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: CV-2 #5H007

Recv'd On Ice

Date Taken: 05/16/1996 16:30 Date Received: 05/17/1996

Parameter	Results	Units	Reporting Limit	Method	Date Prep Analyzed Bat	o/Run ch	
DRO Extraction PVOC - NONAQUEOUS		05/18/96			WDNR	05/29/1996 627	
Benzene	М	<100	ug/kg	10	S-8020	05/26/1996	1389
Ethylbenzene		690	ug/kg	25	S-8020	05/26/1996	1389
MTBE	M	<45	ug/kg	25	S-8020	05/26/1996	1389
Toluene		310	ug/kg	25	S-8020	05/26/1996	1389
1,2,4-Trimethylbenzene		3,300	ug/kg	25	S-8020	05/26/1996	1389
1,3,5-Trimethylbenzene		1,200	ug/kg	25	S-8020	05/26/1996	1389
Xylenes, Total		1,600	ug/kg	75	S-8020	05/26/1996	1389
GRO		57	mg/kg	5.0	WDNR	05/26/1996	1389
Surr: Bromofluorobenzene	M	132.5	ક	n/a	S-8020	05/26/1996	1389
DRO - NONAQUEOUS		2,500	mg/kg	5.0	WDNR	05/30/1996 627	1161



N		NATIONAL ENVIRONMENTAL ® TESTING, INC.	NOF CUSTODY RECORD  PSI [6Gol west Patrola st 641-0911 FAX  NAME/LOCATION 1717 W. Pierrac  NUMBER SHOW?  MANAGER Jan Hebrar												REPORT TO: Jon H.  INVOICE TO: JST  P.O. NO.  NET QUOTE NO.											
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PRINT N	AME)	SIGN	ATURE					d Type ntainer		Dond										Is this work enforcemen	t action?	?	r regulatory	Yes	_ No _	
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# APPENDIX B

# LIST OF MANIFEST TICKETS

#### METRO RDF TICKET LISTING BY PROFILE NUMBER 05/01/96 TKRU 05/28/96

5/29/96 PAGE 1

00 Ø	DATE	TICKET WUMBER	CUSTOMER	CUSTOMER NUMBER	TRUCK NUMBER	GENERATOR	PROFILE NUMBER	YARDS	NET TONS	C00E1	CODES C	:00E3 C	00E4	TOTAL ANOUNT
	05/16/96	133775 N	IDC	0008245	332	HDC	32963	12	21.81	BIO				435.11
	05/16/96	133843 N	IDC .	0008245	2	HDC	32963	12	22.19	BIO				442.69
	05/16/96	133854 N	IDC	0008245	36	NDC	32963	12	24.73	BIO				493.36
	05/16/96		DC	0008245	332	NDC	32963	12	20.27	BIO				404.39
	05/16/96		IDC	0008245	2	NDC	32963	12	23.33	BIO				465.43
	05/16/96		IDC	0008245	36	NDC	32963	12	20.15	BIO				401.99
	05/16/96		IDC	0008245	332	NDC	32963	12	20.36	810				406.18
	05/16/96		OC .	0008245	45	HDC	32963	12	22.37	BIO				446.28
	05/16/96	133918 N	DC	0008245	735	NDC	32963	12	25.58	810				510.32
	05/16/96	133922 N	IDC	0008245	39	HDC	32963	12	25.13	BIO				501.34
	05/16/96	133929 N	iDC	0008245	2	NDC	32963	12	19.16	810				382.24
	05/16/96	133931 N	IDC	0008245	36	HDC	32963	12	20.21	BIO				403.19
	05/17/96	133964 N	IDC	0008245	14	HDC	32963	12	20.77	B10				414.36
	05/17/96	133967 N	IDC	0008245	2	NDC	32963	12	18.51	BIO				369.27
[L	05/17/96	133985 N	lo C	0008245	30	NDC	32963	12	22.03	BIO				439.50
Ä	05/17/96	133990 N	IDC .	0008245	4	NDC	32963	12	18.49	BIO	_			368.88
8	05/17/96	133996 N	IDC .	0008245	14	NDC	32963	12	20.87	BIO	_			416.36
0	05/17/96	133997 N	ΦC	0008245	2	HDC	32963	12	22.30	BIO				444.89
چَر ج	05/17/96	134025 N	DC .	0008245	16	HDC	32963	12	22.05	810				439-90
METR	05/17/96	134034 N	IDC	0008245	4	NOC	32963	12	19.42	BIO				387.43
Ħ	05/17/96	134037 N	IDC	0008245	2	NDC	32963	12	19.17	BIO				382.44
	05/17/96	134046 N	IDC	0008245	14	HDC	32963	12	23.63	BIO				471.42
E =	05/17/96	134053 N	IOC	0008245	30	HDC	32953	12	20.11	810				401.19
<del>-</del>				•				27/	/07 //					9,828.16
X.H								276	492.64					7,820.10
					•			322222						

# APPENDIX C

# RESPONSE ACTION PARTIES

#### **RESPONSE ACTION PARTIES**

**RESPONSIBLE PARTY:** 

NDC, Inc.

6312 South 27th Street

Oak Creek, Wisconsin 53154

(414) 761-2040

SUBJECT PROPERTY:

1738 West National Avenue

Milwaukee, Wisconsin

**ENVIRONMENTAL CONSULTANT:** 

Professional Service Industries, Inc.

16601 West Dakota Street New Berlin, Wisconsin 53151

(414) 641-0911

REMEDIATION CONTRACTOR:

North Shore Environmental Construction, Inc.

N117 W18493 Fulton Drive Germantown, Wisconsin 53022

(414) 255-4468



October 22, 1996

Mr. Gary Kaufman NDC Inc. 6312 South 27th Street Oak Creek, Wisconsin 53154



Re:

Two 4,000-gallon, one 550-gallon, UST Closure Assessments

1738

1740-1742 West National Avenue

Milwaukee, WI 53204

PSI File Number: 055-5H012

#### Dear Mr. Kaufman

In accordance with your request, PSI performed a closure assessments during the removal of two approximately 4,000-gallon and one approximately 550-gallon underground storage tanks (UST) at the above referenced site.

#### **BACKGROUND**

The tank removal was performed at 1740-1742 West National Avenue in Milwaukee, Wisconsin. The site is in the NW ¼ of the SE ¼ of Section 18, Township 06 North, Range 20 East.

The subject site is located in a razed commercial and residential section of the City of Milwaukee. An apartment building occupied this section of the site until it was razed in November 1995. On the east side of the site a gravel drive runs from south to north to the parking lot behind the former building. The tank excavation was located on the north side of the building in the parking lot.

#### SITE OPERATIONS

Three unknown USTs with unknown contents were discovered during April 1996, during demolition and site grading operations. Contents appeared to diesel fuel.

The USTs were closed by removal on April 16, 1996. The removal was performed by North Shore Environmental Construction, Inc., located at N117 W18493 Fulton Drive, Germantown, Wisconsin. Copies of the tank inventory sheets are included in the Appendix.

The site assessment was performed by PSI Environmental Technician Mr. Steven Hailer, WI DILHR Certification Number: 06730. Documentation of Mr. Hailer's DILHR certification can be found in the

Information To Build On

Appendix. Mr. Hailer was on site and observed removal of the three tanks. The on-site DILHR representative was Mr. Barny Sielen, WI DILHR Certification Number: TI-75. In accordance with state closure requirements, the Checklist for Underground Tank Closure was completed. A copy of this document can be found in the Appendix. To further document the tank removal, photographs were taken and are presented in the Appendix.

The weather was variably windy and overcast with temperatures in the 50's (°F). Former on-site structures and site features are illustrated on the Site Plan in the Appendix. The Site Plan is approximate and should only be considered accurate to within a few feet.

Two approximately 4,000 gallon bare steel tanks, each measuring approximately five (5) feet in diameter by twenty four (24) feet long, and one approximately 550 gallon bare steel tank measuring approximately four (4) feet in diameter by six (6) feet long were removed. The 4,000 gallon USTs were located between the two buildings at the northern end. The 550 gallon UST was located at the middle of the west building along the west foundation. The top of the USTs were located at the surface to two (2) feet below ground surface. Due to the grading activities, the original depth of the USTs was estimated to have been approximately three to four feet from the ground surface based on the undisturbed surrounding grade.

North Shore Environmental Construction performed the UST removals. Prior to PSI's arrival, approximately 4,000 gallons of product and approximately 4,000 gallons of oily water were removed from the USTs by OSI Environmental. The remaning petroleum and sludge was removed from the USTs during cleaning and placed in a 55-gallon drum. After cleaning, the tanks were visually inspected. Visual observations revealed that the tanks were slightly corroded with no visible holes. The soils below the tanks revealed no evidence of contamination No evidence of piping was observed. The tanks were transported to and scrapped by Miller Compressing. A memorandum documenting that the tanks were scrapped is included in the Appendix.

The 55-gallon drum containing the petroleum and sludge was labeled and stored on-site. The drum was sampled for characterization and subsequent disposal by Milsolv corporation, profile number 041796F. Documentation of the characterization and disposal is included in the appendix.

Seven (7) soil samples were collected from the soils at the bottom of the excavations. Samples T1 CS-1, T1 CS-2, T1 CS-3 were collected from the east tank. Sample T1 CS-1 was collected from the north end of the tank excavation, sample T1 CS-2 was collected from the middle of the excavation, and sample T1 CS-3 was collected from the south end of the excavation. Samples T2 CS-1, T2 CS-2, T2 CS-3 were collected from the west tank. Sample T2 CS-1 was collected from the north end of the tank excavation, sample T2 CS-2 was collected from the middle of the excavation, and sample T2 CS-3 was collected from the south end of the excavation. Sample T3 CS-1 was taken from the middle of the tank 3 excavation. Field screening with a photoionization detector (PID) revealed no detection for all of the samples.

An additional soil sample was collected on May 3, 1996 for waste characterization of the soils.

An idealized soil profile in the excavations consisted of fine to medium grained sand from the top to the bottom of the excavation. No groundwater was observed in the tank excavation. Upon completion of the tank removals, the excavated soils were returned to the excavation and brought up to grade.

#### FIELD SCREENING

Field screening for VOCs was performed on each soil sample collected. The headspace above each sample was screened with a HNU Model PI-101 PID equipped with a 10.6 electron volt lamp. The PID was calibrated prior to use at the site by PSI personnel. The calibration procedure includes introduction of zero gas and subsequently a known concentration of isobutylene gas into the instrument. The manufacturer indicates that the sensitivity of the device is 0.1 mg/kg for VOCs that have an ionization potential equal to or less than its lamp energy. The calibrated PID is used to detect organic vapors in comparison to the isobutylene standard. Due to the inexact volume of the headspace and varying soil conditions, PID readings should only be considered a relative indication of volatile organic compound concentrations. The moisture content of soil and humid atmospheric conditions have been noted to produce inaccurate organic vapor readings due to condensation on the lamp. To perform the screening each sample was sealed in a Ziplock<sup>TM</sup> plastic bag, and equilibrated to approximately 70° F in a warm vehicle. Reported PID results were obtained by sampling the headspace above each sample and recording the maximum instrument reading.

## **ANALYTICAL RESULTS**

During the closure assessment, seven (7) soil samples were obtained from the excavation and submitted for laboratory analytises. Sampling of the soil was performed in accordance with procedures outlined in ILHR 10 of the Wisconsin State Code. The samples were collected approximately one and one-half (1-½) feet beyond the excavation limits under both ends of the tank. The samples were obtained using the back-hoe bucket and were placed in glass laboratory jars using sterile, single-use Nitrile<sup>TM</sup> gloves. The samples were placed in a cooler on ice and transported to NET Analytical Laboratory.

The laboratory analysis was performed by NET Analytical Laboratory, WDNR Facility ID #120053530. Diesel range organics (DRO), Gasoline range organics (GRO), and Petroleum volatile organic compounds (PVOC) analysis was performed in accordance with the approved analytical methods for leaking underground storage tank (LUST) samples in Wisconsin. The analytical results are summarized in Table 1.

A waste profile on the contents of the drum was performed by Milsolv corporation. The soil sample collected for waste characterization was submitted to Great Lakes Analytical Laboratory for lead, reactive cyanide and reactive sulfide analyses. The sample was collected in laboratory sample containers, placed in a cooler on ice and transported by courier service. The analytical results are summarized in Table 1.

#### CONCLUSION

The results of the UST Closure Assessment performed at 1740-1742 West National Avenue Milwaukee, Wisconsin, indicated that a hydrocarbon releases had occurred from the 4,000 gallon USTs. However, a hydocarbon release has not occured from the 550 gallon UST. DRO concentrations of 740, 1400 and 890 mg/kg and GRO concentrations of 50, 63 and 29 mg/kg were detected in samples. A DRO concentration of 17 mg/kg was detected in the middle sample collected for the west UST. No GRO or DRO concentrations were detected in the remaining samples for the west UST. No concentrations of DRO or GRO were detected in the samples collected for the 550 gallon UST. No groundwater was encountered during the UST excavation.

The GRO and DRO concentrations are above the current action level for reporting a release to the WDNR and performing site investigations. The GRO concentrations detected in the soil samples are below the current residual contaminant levels (RCLs) stated in NR 720.09 of the Wisconsin Administrative Code for GRO. However, the DRO concentrations are above the 100 mg/kg soil standard for soils which have a permeability less than  $1\times10^{-6}$  cm/sec. The PVOC concentrations detected in the samples are below the RCLs. The RCLs for PVOCs are:

0.0055 mg/kg benzene

- 1.5 mg/kg toluene
- 2.9 mg/kg ethylbenzene
- 4.1 mg/kg xylenes

Based on this assessment and site investigations previously performed on adjacent sites for other USTs, the extent of soil impacted by the UST release appears to be limited. According to the Wisconsin Statutes and Administrative Code, site investigations and remediation of impacted soil or groundwater were required by the WDNR. Remediation of the impacted soils by bio-treatment was performed in general accordance with the site investigations and remedial action plan developed for the site. Additional information regarding the remediation is included in the Remediation Assessment report prepared by PSI.

Based on field screening results, visual inspection and chemical analysis, it appears that the soil impacted by the UST release is significant and further action is required.

#### **WARRANTY**

The field observation, measurements, and analyses reported herein are considered sufficient in detail and scope to form a reasonable basis for the tank closure and preliminary assessment at this site. The findings and conclusions contained herein have been prepared in accordance with locally accepted environmental engineering methods, as they relate to the site as described in this report.

The assessment and evaluation is intended to provide the client with information regarding the environmental conditions described herein. The work is necessarily limited to the conditions observed and to the information available at the time it was performed.

Due to the limited nature of the work, there is a possibility that conditions may exist which could not be identified within the scope of the assessment, or which were not apparent at the time of the report preparation. It is also possible that the testing methods and/or other applicable guidelines, regulation, etc. utilized at the time the report was prepared may later be superseded by other methods. The description, type and composition of what are commonly referred to as "hazardous materials or condition", can also change over time. PSI does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials, conditions, regulations, etc. PSI believes that the findings and conclusions provided in this report are reasonable. However, no warranties are implied or expressed.

PSI appreciates the opportunity to have worked with you on this UST closure. If you have any questions, feel free to call us at (414)641-0911.

Respectfully submitted,

Steve Hailer

Registered Environmental Technician

Jon Heberer

Project Manager

Andy Clayton, P.G.

Senior Technical Reviewer

SH/JH/AC/sh

cc:

DILHR

**WDNR** 

Appendix:

Location Map

Topographic Map

Site Plan

Analytical Reports
DILHR Certification

Tank Inventory

Tank Disposal Documentation

Tank Sludge Disposal Documentation Checklist for Underground Tank Closure

5

Photographs

# TABLE 1 CLOSURE SAMPLES

# NDC, Inc. 1740-1742 West National Avenue

Sample ID	T1 CS-1	T1 CS-2	T1 CS-3	T2 CS-1	T2 CS-2	T2 CS-3	T3 CS-1	Regulatory
Location	Tank	Level						
LAKAHON	Bottom	1.0,0,						
Depth Collected	12 ft.	12 ft.	12 ft.	11 ft.	11 ft	11 ft.	12 ft	
Soil Type	Sand							
Moisture Content	Moist							
	,							
PID (iu)	ND							
GRO (mg/kg)	50	63	29	<5.5	<6.0	<5.0	<5.5	100/250
DRO (mg/kg)	740	1400	890	<5.0	17	<5.0	<5.0	100/250
PVOCs: ( ug/kg)				·				
Benzene	<11	<11	<11	<11	<12	<10	<11	5,5
Ethylbenzene	<28	<28	<28	<28	<30	<25	<28	2,900
Methyl-t-butyl-ether	<28	<28	<28	<28	<30	<25	<28	
Toluene	<28	<28	<28	<28	<30	<25	<28	1,500
1,2,4-Trimethylbenzene	470	410	410	<28	<30	<25	<28	
1,3,5-Trimethylbenzene	120	130	100	<28	<30	<25	<28	
Xylenes, Total	160	120	100	<83	<90	<75	<83	4,100

NA - Not Analyzed

iu - instrument units

## WASTE CHARACTERIZATION SAMPLE

Sample ID	WC-1
Lead (mg/kg)	2.5
Reactive Cyanide (mg/kg)	< 0.30
Reactive Sulfide (mg/kg)	< 7.7

# WASTE PROFILE

Sample ID	041796F
Kerosene L. S., %	99.9
Reactive Cyanide (mg/kg)	0.1
pН	6.9
Color	Brown
Phases/Layers	2
Specific Gravity	0.850
Water Content	0.01

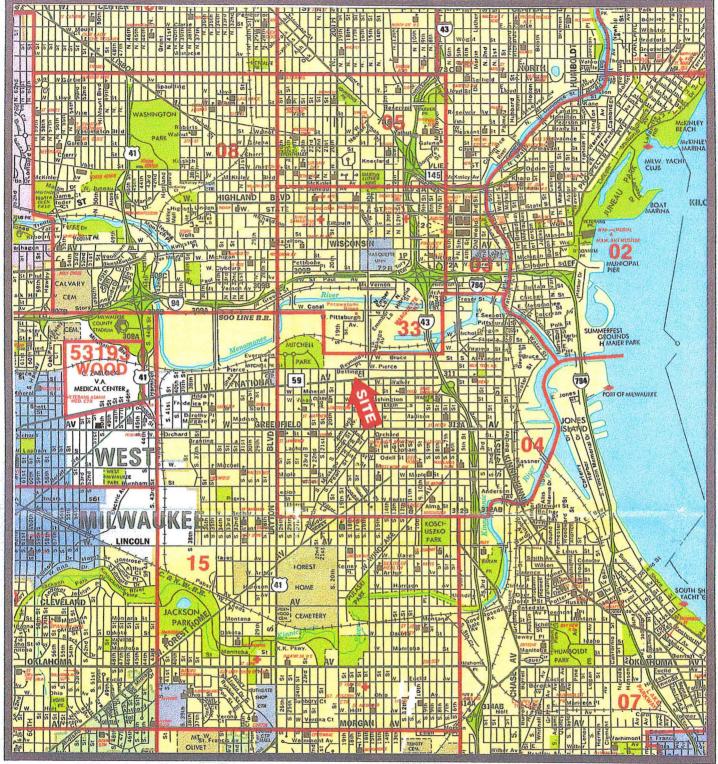
# Appendix:

Location Map
Topographic Map
Site Plan
Analytical Reports
DILHR Certification
Tank Inventory
Tank Disposal Documentation
Tank Sludge Disposal Documentation
Checklist for Underground Tank Closure
Photographs

U.S. ISH006ISH012.RPT PSI, Inc.

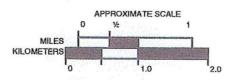
# **Location Map**

U:\..\5H006\5H012.RPT PSI, Inc.



Source: Milwaukee Map Service, Inc., 'Milwaukee County and Waukesha County Map & Street Guide, 1993, Milwaukee, Wisconsin





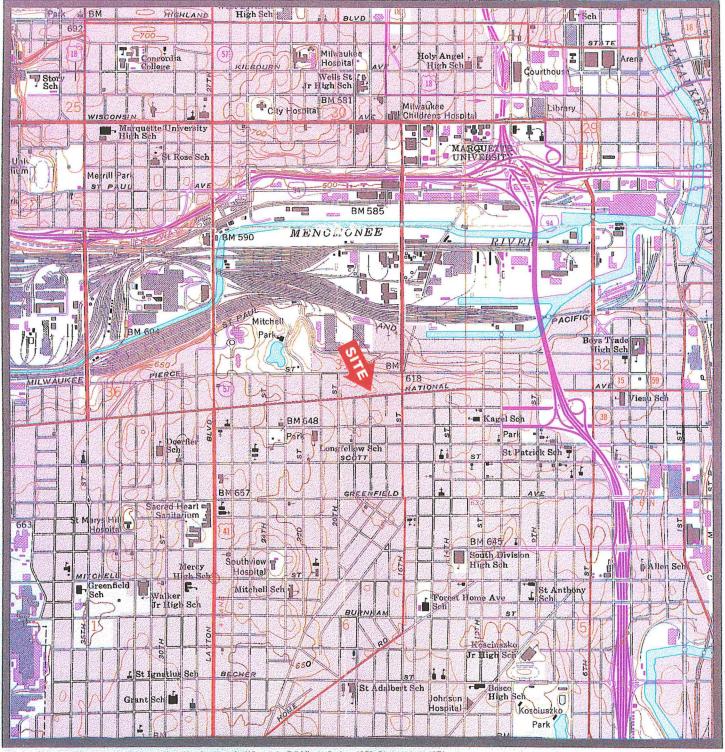
	Environmental
	Geotechnical
	Construction
Consulting • En	gineering · Testing

Environm	ental Services
16601 Wes	st Dakota Street
New Berlin,	Wisconsin 53151
14) 641-0911	Fax (414) 641-09

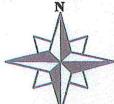
NDC, INCORPORATED	DATE: 9/11/96	Anna Caraca
	SCALE:	PROJECT NO:
Site Location Map		
	NDC, INCORPORATED  Site Location Map	9/11/96 scale:

Topographic Map

UNLISH006/5H012.RPT PSI, Inc.



Source: United States Geological Survey, Milwaukee Quadrangle, Wisconsin, 7.5 Minute Series, 1958, Photorevised 1971



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

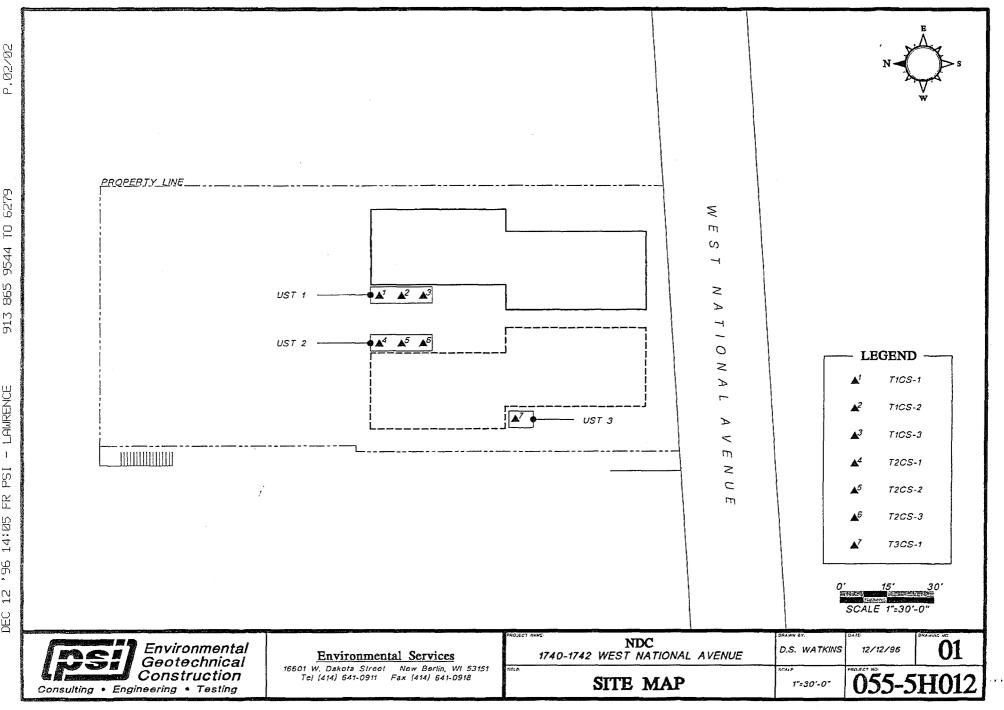
Red tint indicates areas in which only landmark buildings are shown
Purple tint indicates extension of urban areas. Purple revisions compiled from aerial photographs taken in 1971.

Environmental Geotechnical Construction Consulting • Engineering • Testing

Environmental Services	PROJECT NAME: NDC, INCORPORATED	DATE:	
16601 West Dakota Street		9/11/96	
New Berlin, Wisconsin 53151	TITLE:	SCALE:	PROJECT NO:
(414) 641-0911 Fax (414) 641-0918	Topographic Map		
	Property of the Control of the Contr		the second secon

Site Plan

U:\..\5H006\5H012.RPT PSI, Inc.



# **Analytical Reports**

U:\.\\SH006\SH012.RPT PSI, Inc.

Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

# ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 04/29/1996

Job No: 96.03280

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample	Sample Description	Date	Date
Number		Taken	Received
179982 179983 179984 179985 179986 179987 179988 179989	T1 CS-1 #5H008 T1 CS-2 #5H008 T1 CS-3 #5H008 T2 CS-1 #5H008 T2 CS-2 #5H008 T2 CS-3 #5H008 T3 CS-1 #5H008 Trip Blk #5H008	04/16/1996 04/16/1996 04/16/1996 04/16/1996 04/16/1996 04/16/1996 04/16/1996	04/17/1996 04/17/1996 04/17/1996 04/17/1996 04/17/1996 04/17/1996 04/17/1996

#### CASE NARRATIVE

The method required DRO replicate component spikes recovered 64.1% and 90.6%. Re-extraction and re-analysis are not viable alternatives, since re-extraction would occur after hold time. We are following the guidelines of the method by reporting these results with a flag.

The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time

C = Standard outside of control limits

F = Sample filtered in lab

H = Late eluting hydrocarbons present

J = Estimated concentration

M = Matrix interference

Q = Result confirmed via re-analysis

T = Does not match typical pattern

X = Unidentified compound(s) present

B = Blank is contaminated

D = Diluted for analysis

G = Received past hold time

I = Improperly handled sample

L = Common lab solvent and contaminant

P = Improperly preserved sample

S = Sediment present

W = BOD re-set due to missed dilution

Z = Internal standard outside limits

Brian D. DeJong, Organic Operations Manager Certification No. 128053530



Tel: (414) 261-1660 Fax: (414) 261-8120

# ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 04/29/1996

Job No: 96.03280 Sample No: 179982 Account No: 55670

Page 2

JOB DESCRIPTION: #5H008 NDC-1728 PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: T1 CS-1 #5H008

Recv'd On Ice

Date Taken: 04/16/1996 08:05

Parameter		Results	Units	Reporting Limit	Method	Date Prep/Run Analyzed Batch
Solids, Total DRO Extraction PVOC - NONAOUEOUS		88.5 04/18/96	ે	n/a	S-5030 WDNR	04/18/1996 1427 04/19/1996 603
Benzene		<11	uq/kq	10	S-8020	04/25/1996 1358
Ethylbenzene		<28	ug/kg	25	S-8020	04/25/1996 1358
MTBE		<28	ug/kg	25	S-8020	04/25/1996 1358
Toluene		<28	ug/kg	25	S-8020	04/25/1996 1358
1,2,4-Trimethylbenzene		470	ug/kg	25	S-8020	04/25/1996 1358
1,3,5-Trimethylbenzene		120	ug/kg	25	S-8020	04/25/1996 1358
Xylenes, Total		160	ug/kg	75	S-8020	04/25/1996 1358
GRO	H	50	mg/kg	5.0	WDNR	04/25/1996 1358
Surr: Bromofluorobenzene		111.5	ક	n/a	S-8020	04/25/1996 1358
DRO - NONAQUEOUS	C	740	mg/kg	5.0	WDNR	04/23/1996 603 1124



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 120053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 04/29/1996

Job No: 96.03280 Sample No: 179983 Account No: 55670

Page 3

JOB DESCRIPTION: #5H008 NDC-1728 PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: T1 CS-2 #5H008

Recv'd On Ice

Date Taken: 04/16/1996 08:10

No women or		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Parameter		Results	OHILES	LIMITE	Method	Anaryzed	Daten
Solids, Total		95.1	%	n/a	S-5030	04/18/1996	1427
DRO Extraction		04/18/96		,	WDNR	04/19/1996	604
PVOC - NONAQUEOUS						• •	
Benzene		<11	ug/kg	10	S-8020	04/25/1996	1358
Ethylbenzene		<28	ug/kg	25	S-8020	04/25/1996	1358
MTBE		<28	ug/kg	25	S-8020	04/25/1996	1358
Toluene		<28	ug/kg	25	S-8020	04/25/1996	1358
1,2,4-Trimethylbenzene		410	ug/kg	25	S-8020	04/25/1996	1358
1,3,5-Trimethylbenzene		130	ug/kg	25	S-8020	04/25/1996	1358
Xylenes, Total		120	ug/kg	75	S-8020	04/25/1996	1358
GRO	H	63	mg/kg	5.0	WDNR	04/25/1996	1358
Surr: Bromofluorobenzene		115.0	ે	n/a	S-8020	04/25/1996	1358
DRO - NONAQUEOUS		1,400	mg/kg	5.0	WDNR	04/23/1996	604 1125



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer 16601 W. Dakota Street New Berlin, WI 53151

04/29/1996

Job No: 96.03280 Sample No: 179984 Account No: 55670

Page 4

JOB DESCRIPTION: #5H008 NDC-1728 PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis T1 CS-3 #5H008 Recv'd On Ice

Date Taken: 04/16/1996 08:15

Parameter		Results	Units	Reporting Limit	Method	Date Prep/Run Analyzed Batch	
Solids, Total DRO Extraction PVOC - NONAOUEOUS		96.8 04/18/96	ે	n/a	S-5030 WDNR	04/18/1996 1427 04/19/1996 604	
Benzene		<11	ug/kg	10	S-8020	04/26/1996 1358	
Ethylbenzene		<28	ug/kg	25	S-8020	04/26/1996 1358	
MTBE		<28	ug/kg	25	S-8020	04/26/1996 1358	
Toluene		<28	ug/kg	25	S-8020	04/26/1996 1358	
1,2,4-Trimethylbenzene		410	ug/kg	25	S-8020	04/26/1996 1358	
1,3,5-Trimethylbenzene		100	ug/kg	25	S-8020	04/26/1996 1358	
Xylenes, Total		100	ug/kg	75	S-8020	04/26/1996 1358	
GRO	H	29	mg/kg	5.0	WDNR	04/26/1996 1358	
Surr: Bromofluorobenzene		109.0	용	n/a	S-8020	04/26/1996 1358	
DRO - NONAQUEOUS		890	mg/kg	5.0	WDNR	04/23/1996 604 1125	



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

# ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

04/29/1996

Job No: 96.03280 Sample No: 179985 Account No: 55670

Page 5

#5H008 NDC-1728 JOB DESCRIPTION: PROJECT DESCRIPTION:

Soil Analysis T2 CS-1 #5H008

SAMPLE DESCRIPTION: Recv'd On Ice

Date Taken: 04/16/1996 12:30

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total DRO Extraction PVOC - NONAQUEOUS	85.6 04/18/96	%	n/a	S-5030 WDNR	04/18/1996 04/19/1996	1427 604
Benzene	<11	ug/kg	10	S-8020	04/26/1996	1358
Ethylbenzene	<28	ug/kg	25	S-8020	04/26/1996	1358
MTBE	<28	ug/kg	25	S-8020	04/26/1996	1358
Toluene	<28	ug/kg	25	S-8020	04/26/1996	1358
1,2,4-Trimethylbenzene	<28	ug/kg	25	S-8020	04/26/1996	1358
1,3,5-Trimethylbenzene	<28	ug/kg	25	S-8020	04/26/1996	1358
Xylenes, Total	<83	ug/kg	75	S-8020	04/26/1996	1358
GRO	<5.5	mg/kg	5.0	WDNR	04/26/1996	1358
Surr: Bromofluorobenzene	105.0	용	n/a	S-8020	04/26/1996	1358
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	04/23/1996	604 1125



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 120053530

# ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151 04/29/1996

Job No: 96.03280 Sample No: 179986 Account No: 55670

Page 6

JOB DESCRIPTION: #5H008 NDC-1728 PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: T2 CS-2 #5H00

T2 CS-2 #5H008 Recv'd On Ice

Date Taken: 04/16/1996 12:35

				Reporting	ſ	Date Prep/F	Run
Parameter		Results	Units	Limit	Method	Analyzed Batch	h
Solids, Total		87.5	%	n/a	S-5030	04/18/1996 14	427
DRO Extraction		04/18/96			WDNR	04/19/1996 604	
PVOC - NONAQUEOUS							
Benzene		<12	ug/kg	10	S-8020	04/26/1996 13	358
Ethylbenzene		< 30	ug/kg	25	S-8020	04/26/1996 13	358
MTBE		< 30	ug/kg	25	S-8020	04/26/1996 13	358
Toluene		<30	ug/kg	25	S-8020	04/26/1996 13	358
1,2,4-Trimethylbenzene		<30	ug/kg	25	S-8020	04/26/1996 13	358
1,3,5-Trimethylbenzene		<30	ug/kg	25	S-8020	04/26/1996 13	358
Xylenes, Total		<90	ug/kg	75	S-8020	04/26/1996 13	358
GRO		<6.0	mg/kg	5.0	WDNR	04/26/1996 13	358
Surr: Bromofluorobenzene		106.5	ક	n/a	S-8020	04/26/1996 13	358
DRO - NONAOUEOUS	H	17	mq/kq	5.0	WDNR	04/23/1996 604 13	125



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

04/29/1996

Job No: 96.03280 Sample No: 179987 Account No: 55670

Page 7

JOB DESCRIPTION: #5HPROJECT DESCRIPTION: SAMPLE DESCRIPTION:

#5H008 NDC-1728 N: Soil Analysis : T2 CS-3 #5H008 Recv'd On Ice

Date Taken:

04/16/1996 12:40

Date Received: 04/17/1996

Reporting Prep/Run Date Analyzed Batch Parameter Results Units Limit Method 1427 Solids, Total 79.6 왕 n/a S-5030 04/18/1996 04/18/96 04/19/1996 604 DRO Extraction WDNR PVOC - NONAQUEOUS ug/kg S-8020 04/26/1996 1358 Benzene <10 10 Ethylbenzene <25 ug/kg 25 S-8020 04/26/1996 1358 04/26/1996 1358 MTBE <25 ug/kg 25 S-8020 Toluene <25 ug/kg 25 S-8020 04/26/1996 1358 04/26/1996 1,2,4-Trimethylbenzene <25 ug/kg 25 S-8020 1358 04/26/1996 1,3,5-Trimethylbenzene <25 ug/kg 25 S-8020 1358 04/26/1996 Xylenes, Total < 75 ug/kg 75 S-8020 1358 GRO <5.0 mg/kg 5.0 WDNR 04/26/1996 1358 Surr: Bromofluorobenzene 108.5 왕 n/a S-8020 04/26/1996 1358 DRO - NONAQUEOUS <5.0 WDNR 04/23/1996 604 1125 mg/kg 5.0



Tel: (414) 261-1660 Fax: (414) 261-8120

## ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

04/29/1996

Job No: 96.03280 Sample No: 179988 Account No: 55670

Page 8

JOB DESCRIPTION: PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

#5H008 NDC-1728 Soil Analysis

T3 CS-1 #5H008 Recv'd On Ice

Date Taken: 04/16/1996

12:45

Parameter	Results	units	Reporting Limit	Method	Date Prep/Run Analyzed Batch
Solids, Total DRO Extraction PVOC - NONAQUEOUS	88.6 04/18/96	&	n/a	S-5030 WDNR	04/18/1996 1427 04/19/1996 604
Benzene	<11	ug/kg	10	S-8020	04/26/1996 1358
Ethylbenzene	<28	ug/kg	25	S-8020	04/26/1996 1358
MTBE	<28	ug/kg	25	S-8020	04/26/1996 1358
Toluene	<28	ug/kg	25	S-8020	04/26/1996 1358
1,2,4-Trimethylbenzene	<28	ug/kg	25	S-8020	04/26/1996 1358
1,3,5-Trimethylbenzene	<28	ug/kg	25	S-8020	04/26/1996 1358
Xylenes, Total	<83	ug/kg	75	S-8020	04/26/1996 1358
GRO	<5.5	mg/kg	5.0	WDNR	04/26/1996 1358
Surr: Bromofluorobenzene	108.5	8	n/a	S-8020	04/26/1996 1358
DRO - NONAQUEOUS	<5.0	mg/kg	5.0	WDNR	04/23/1996 604 1125



Tel: (414) 261-1660 Fax: (414) 261-8120

# ANALYTICAL REPORT

Mr. Jon Heberer 16601 W. Dakota Street New Berlin, WI 53151

04/29/1996

Job No: 96.03280 Sample No: 179989 Account No: 55670

Page 9

JOB DESCRIPTION: #5H008 NDC-1728 PROJECT DESCRIPTION: SAMPLE DESCRIPTION:

Soil Analysis Trip Blk #5H008 Recv'd On Ice

Date Taken: 04/16/1996

			Reporting	ſ	Date	Prep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
PVOC - NONAQUEOUS						
Benzene	< 1.0	ug/kg	10	S-8020	04/26/1996	1359
Ethylbenzene	<25	ug/kg	25	S-8020	04/26/1996	1359
MTBE	<25	ug/kg	25	S-8020	04/26/1996	1359
Toluene	<25	ug/kg	25	S-8020	04/26/1996	1359
1,2,4-Trimethylbenzene	<25	ug/kg	25	S-8020	04/26/1996	1359
1,3,5-Trimethylbenzene	<25	ug/kg	25	S-8020	04/26/1996	1359
Xylenes, Total	<75	ug/kg	75	S-8020	04/26/1996	1359
GRO	<5.0	mg/kg	5.0	WDNR	04/26/1996	1359
Surr: Bromofluorobenzene	96.5	<b>ે</b>	n/a	S-8020	04/26/1996	1359



N		NATIONAL ENVIRONMENTA TESTING, INC.	AL CHAI			TOE					(	1403280 - REPORT TO:	PSI	
ange sa la		® TESTING, INC.	ADDRESS PHONE _ PROJECT	1660	1 0	vest 911 Nin		colcite				INVOICE TO:	PSL	
			PROJECT	NAME/LC NUMBER	CATION.	11008	<u> </u>		<u> 3, 5</u>			P.O. NO	*	
			PROJECT			ON F	4					_ NET QUOTE NO.		
AMPLI PRINT NA	ED BY   e_e ME)	Hailer	SIGNATURE	376	L				AN	ALYSES		To assist us in selecting  Is this work being conducted compliance monitoring?	for regulatory	No
PRINT NA	ME)		SIGNATURE		# and Con	Type of ainers	- PUOC	ب				Is this work being conducted enforcement action?	d for regulatory	No
DATE	TIME	SAMPLE ID/DESCRIPTI	2 Z MATRIX	GRAB	HCI NaOH HNO <sub>3</sub>		SKO	JiRO	<b>X</b>			O		/astewater king Water None
i 10	<i>(</i> ), , , ,	T1-C54		X				~ ~	2				COMMENTS	
4-16	8:05	T   - CS-2		X			10	XX				NO		
	8.15	···		X			X	XX	+			X/D		
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CONDI	TION OF	SAMPLE: BOTTLES INTACT FIELD FILTERED?			COC SE VOLATIL							TEMPERATURE UPON F Bottles supplied by NET?	RECEIPT: Aled (PES) / NO	or ree of
SAMPL	E REMAII		SAMPLE REMAINDE ST NET TO DISPOSE			EMAINE	DERS .					DATE		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
RELINQUI	SHED BY:	DATE TIME	AM RECEIVED BY:	Schn	wh			DINQUISHE DM	D BY:	hmil	DATE 4/-/7-9		ED FOR NET BY:	4-1396
иЕТНО	D OF SH		REMARKS:	Shippo	ic da	tee		0	- Angeles La	0		· · · · · · · · · · · · · · · · · · ·		

Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

# ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

04/25/1996

Job No: 96.03028

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Date Date Number Sample Description Taken Received 179187 WC-1 #5H006 04/09/1996 04/10/1996

The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time

C = Standard outside of control limits

F = Sample filtered in lab

H = Late eluting hydrocarbons present

J = Estimated concentration

M = Matrix interference

Q = Result confirmed via re-analysis

T = Does not match typical pattern

X = Unidentified compound(s) present

B = Blank is contaminated

D = Diluted for analysis

G = Received past hold time

I = Improperly handled sample

L = Common lab solvent and contaminant

P = Improperly preserved sample

S = Sediment present

W = BOD re-set due to missed dilution

Z = Internal standard outside limits

Brian D. DeJong, Organic Operations Manager Certification No. 128053530



Tel: (414) 261-1660 Fax: (414) 261-8120

WDNR No. 128053530

#### ANALYTICAL REPORT

Mr. Jon Heberer PSI 16601 W. Dakota Street New Berlin, WI 53151

04/25/1996

Job No: 96.03028 Sample No: 179187 Account No: 55670

Page 2

JOB DESCRIPTION: #5H006 1835 W Pierce PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION:

WC-1 #5H006 Recv'd On Ice

Date Taken: 04/09/1996 16:30 Date Received: 04/10/1996

			Reporting	ī	Date P	rep/Run
Parameter	Results	Units	Limit	Method	Analyzed	Batch
Cyanide, Reactive	<50	mg/kg	50	S-Ch7	04/17/1996	128
Solids, Total	83.3	%	n/a	S-5030	04/17/1996	1421
Sulfide, Reactive	13	mg/kg	10	S-Ch7	04/17/1996	132
TCLP-Cadmium, AA	<0.040	mg/L	0.040	S-7130	04/22/1996 2	255 166
TCLP-Lead, AA	<0.10	mg/L	0.10	S-7420	04/22/1996 2	255 241
Prep, TCLP - 1311	С			S-1311	04/17/1996 2	255
DRO Extraction	4/11/96			WDNR	04/15/1996 6	02
PVOC - NONAQUEOUS	*					
Benzene	75	ug/kg	10	S-8020	04/16/1996	1351
Ethylbenzene	940	ug/kg	25	S-8020	04/16/1996	1351
MTBE	200	ug/kg	25	S-8020	04/16/1996	1351
Toluene	770	ug/kg	25	S-8020	04/16/1996	1351
1,2,4-Trimethylbenzene	220	ug/kg	25	S-8020	04/16/1996	1351
1,3,5-Trimethylbenzene	250	ug/kg	25	S-8020	04/16/1996	1351
Xylenes, Total	1,000	ug/kg	75	S-8020	04/16/1996	1351
GRO	54	mg/kg	5.0	WDNR	04/16/1996	1351
Surr: Bromofluorobenzene	118.5	%	n/a	S-8020	04/16/1996	1351
DRO - NONAQUEOUS	5.9	mg/kg	5.0	WDNR	04/17/1996 6	02 1122



<b>→</b>		┸IJ® TESTING, IN	IC.	WPAN				. ,		77	7										RT TO:	
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								# and Cor	Type intainers	of	] ^		7	121-07	W. Cart. 1.	1				enforcement a	ction? Yes No	
	1			×		۵		_	m -	, ac	11/1/1	2	3	1	18	1				Which regulat	ons apply: RCRA NPDES Wastewater  UST Drinking Water	
DATE	TIME	SAMPLE ID/DES	CRIPTION	MATRIX	GRAB	COMP	모	NaOH	HSO4	OTHER	1	17	7.12	17	197	100						
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SAMPL	E REMA	AINDER DISPOSAL: RET I RE	URN SAMPLE REN QUEST NET TO DI							INDE	RS _								D.	ATE		
RELINQU	ISHED BY:		TIME PM RECEI										JISHE					DATE		TIME	RECEIVED FOR NET BY:	
Section 1	<u>(                                    </u>	11-10-96	4:45																			
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COMPANY	DS	7				

ENVIRONMENTAL COLLABORATION TO THE STING, INC.	HAIN OF CUSTODY RECORD  MPANY DS   DRESS   660   W. Daff da  ONE 44 641 - 0911   FAX 414 641 - 0918  OJECT NAME/LOCATION   1835   W. Pierce  OJECT NUMBER 574006  OJECT MANAGER J. Talkers  ANALYSES  # and Type of	REPORT TO: Jon Hoheren  INVOICE TO: Jon Hoheren  P.O. NO  NET QUOTE NO  To assist us in selecting the proper method  Is this work being conducted for regulatory compliance monitoring? Yes No  Is this work being conducted for regulatory enforcement action? Yes No
	Containers T 7 7 7 7 7	Which regulations apply: RCRA NPDES Wastewater
DATE TIME SAMPLE ID/DESCRIPTION	GRAB GRAB HOI	UST Drinking Water Other None
4-9 4:30 WC-1	5 X X X X X X X X X X X X X X X X X X X	COMMENTS
1 1 100 100 1		Jas
		•
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,		
CONDITION OF SAMPLE: BOTTLES INTACT2 YES NO FIELD FILTERED? YES / NO	COC SEALS PRESENT AND INTACT? YES / NO TEM VOLATILES FREE OF HEADSPACE? YES / NO Bott	PERATURE UPON RECEIPT: Nextonica les supplied by NET? (ES)/NO
	MAINDER TO CLIENT VIA	TE
RELINQUISHED BY: DATE TIME PM PECEN  C. Sawa 4-10-96 4:45	<u> </u>	TIME RECEIVED FOR NET BY:  1840  RECEIVED FOR NET BY:
METHOD OF SHIPMENT  To	Maks: Trip Blank included with summer on several	re wor

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# 1000 M
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    13.858
14.367
     14.893
     15.864
     16.796
     17.587
     18.538
19:351
     20.131
     20.880
     21.600
22:521
     23.111
     23.999
     25.016
     26.206
     AR
STOP
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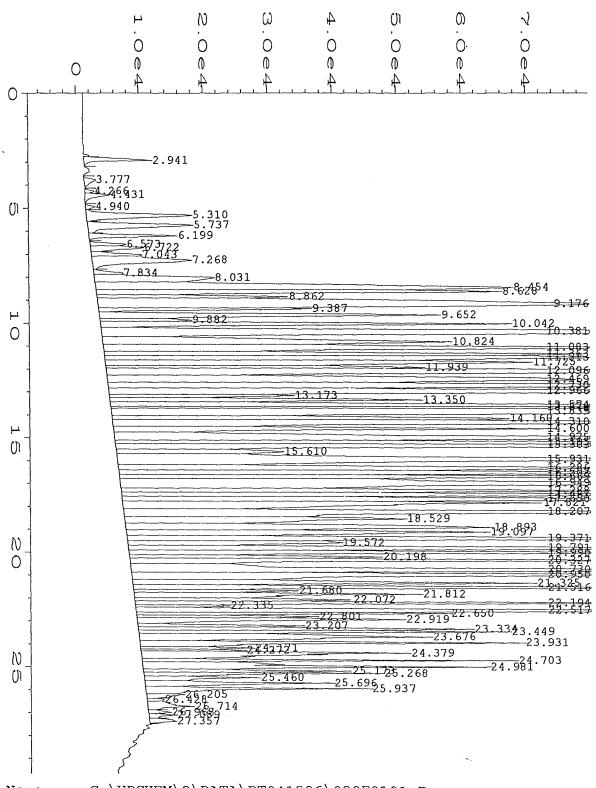
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RUN#

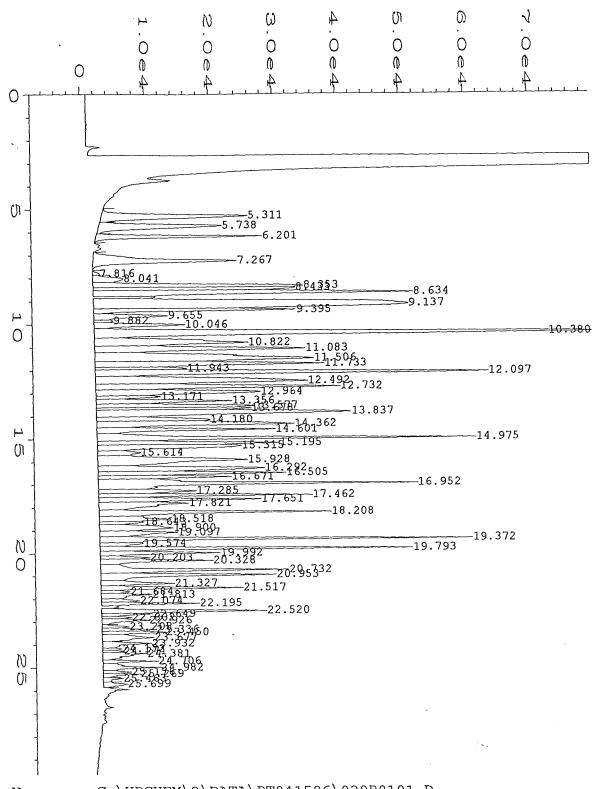
APR 17, 1996 21:53:59

#### SAMPLE# 11

AREA%				
RT	AREA	TYPE	HTGIW	AREA%
6.658	15891	нн	.040	2.54791
6.830	8259	нн	.077	1.32422
6.983	9494	нн	.058	1.52224
7.078	22792	нн	.059	3.65439
7.154	7121	нн	.044	1.14176
7.211	25468	нн	.041	4.08345
7.289	12621	нн	.044	2.02361
7,350	4538	нн	.039	.72761
7.406	20188	нн	.047	3.23688
7.507	19777	нн	.057	3.17098
7.597	11825	нн	.052	1.89598
7.679	9503	нн	.045	1.52368
7.751	11099	нн	.060	1.77958
7.924	11381	НН	. 066	1.82479
7.975	14559	нн	.040	2.33434



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                                                               : 29
Sample Name
                : 179187 1.1 PG
                                              Injection Number: 1
Run Time Bar Code:
                                              Sequence Line : 1
acquired on
           : 16 Apr 96 03:52 AM
                                              Instrument Method: PIDACQ.MTH
Report Created on: 16 Apr 96 07:17 AM
                                              Analysis Method : PIDSOIL.MTH
Jast Recalib on : 14 MAY 92 07:37 PM
                                              Sample Amount
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Multiplier
                : 1.1
                                              ISTD Amount
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```



Date: May 6, 1996

Professional Service Industries, Inc.

16601 W. Dakota St. New Berlin, WI 53066 Attention: Jon Heberer

Project: 1728 Kerosene

Enclosed are the results from 1 soil samples received at Great Lakes Analytical on May 3, 1996. The requested analyses are listed below:

SAMPLE#	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
6050425	Soil: WC1	5/3/96	Reactive Cyanide, EPA 7.3.3 Reactive Sulfide, EPA 7.3.4 Lead, EPA 3050/7421 Percent Solids, EPA 7.3.3.1.5

This report may not be reproduced, except in full, without the written approval of the laboratory.

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**GREAT LAKES ANALYTICAL** 

Kexin W. Keeley Laboratory Director



(847) 808-7766 FAX (847) 808-7772

May 3, 1996 Sampled: Professional Service Industries, Inc. Client Project ID: 1728 Kerosene Sample Descript: Received: May 3, 1996 16601 W. Dakota St. Soil Analysis for: New Berlin, WI 53066 Percent Solids, EPA 7.3.3.1.5 Attention: Jon Heberer First Sample #: 605-0425 Analyzed: May 6, 1996 May 6, 1996 Reported:

LABORATORY ANALYSIS FOR:

Percent Solids, EPA 7.3.3.1.5

Sample Number	Sample Description	Detection Limit %	Sample Result %
605-0425	WC1	0.10	84

GREAT LAKES ANALYTICAL

Kevin W. Keeley Laboratory Director



1380 Busch Parkway • Buffalo Grove, Illinois 60089

(847) 808-7766 FAX (847) 808-7772

Professional Service Industries, Inc. Client Project ID: 16601 W. Dakota St. Sample Descript:

Soil

1728 Kerosene

New Berlin, WI 53066 Attention: Jon Heberer Analysis for:

Lead, EPA 3050/7421

First Sample #:

605-0425

Sampled:

May 3, 1996

Received:

May 3, 1996

Analyzed: Reported: May 6, 1996 May 6, 1996

LABORATORY ANALYSIS FOR:

Lead, EPA 3050/7421

Sample Number	Sample Description	<b>Detection Limit</b> mg/kg Dry Weight	Sample Result mg/kg Dry Weight
605-0425	WC1	0.30	25

GREAT LAKES ANALYTICAL

Kevin W. Keeley Laboratory Director



1380 Busch Parkway • Buffalo Grove, Illinois 60089

(847) 808-7766 FAX (847) 808-7772

May 3, 1996 Professional Service Industries, Inc. Client Project ID: Sampled: 1728 Kerosene 16601 W. Dakota St. Sample Descript: Soil: WC1 Received: May 3, 1996 New Berlin, WI 53066 Extracted: May 6, 1996 Attention: Jon Heberer Lab Number: 605-0425 Analyzed: May 6, 1996 May 6, 1996 Reported:

#### LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit mg/kg, Dry Weig	ht	Sample Results mg/kg, Dry Weight
Reactive CyanideReactive Sulfide	7.3.3 7.3.4	0.30 7.7		N.D. N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley Laboratory Director



Professional Service Industries, Inc.

Client Project ID: 1728 Kerosene

Matrix: Soil

16601 W. Dakota St. New Berlin, WI 53066 Attention: Jon Heberer

QC Sample Group: 605-0425

Reported: May 6, 1996

## **QUALITY CONTROL DATA REPORT**

ANALYTE

Percent Solids

Method:

7.3.3.1.5

Analyst:

J. Teheria

Units:

%

LAB. CONTROL SAMPLE & DUP. DATA

Date Analyzed:

May 6, 1996

LCS%

Recovery:

100

LCS Duplicate

% Recovery:

100

Relative %

Difference:

0

**GREAT LAKES ANALYTICAL** 

% Recovery:

Conc. of M.S. - Conc. of Sample

x 100

Spike Conc. Added

Suin M. Kaalay

Conc. of M.S. - Conc. of M.S.D.

x 100

Relative % Difference:

(Conc. of M.S. + Conc. of M.S.D.) / 2

6050425.PPP <4>

Kevin W. Keeley Laberatory Director



Professional Service Industries, Inc.

Client Project ID: 1728 Kerosene

Matrix: Soil

16601 W. Dakota St. New Berlin, WI 53066 Attention: Jon Heberer

QC Sample Group: 605-0425

Reported: May 6, 1996

#### **QUALITY CONTROL DATA REPORT**

**ANALYTE** 

Lead

Method:

3050/7421

Analyst:

A. Mehrabi

Concentration:

1.0

Units:

ppm

LAB. CONTROL SAMPLE DATA

Date Analyzed:

May 6, 1996

Instrument I.D.#

1

LCS%

Recovery:

94

MATRIX SPIKE & DUP. DATA

Date Analyzed:

May 6, 1996

Instrument I.D.#

1

Matrix Spike

% Recovery:

95

Matrix Spike Duplicate %

Recovery:

102

•

Relative % Difference:

6.4

**GREAT LAKES ANALYTICAL** 

% Recovery:

Conc. of M.S. - Conc. of Sample Spike Conc. Added x 100

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

Kevin W. Keeley Laboratory Director

6050425.PPP <5>



Professional Service Industries, Inc. 16601 W. Dakota St.

Client Project ID: 1728 Kerosene Matrix: Soil

New Berlin, WI 53066

Attention: Jon Heberer

QC Sample Group: 605-0425

Reported: May 6, 1996

### **QUALITY CONTROL DATA REPORT**

ANALYTE	Reactive	Reactive	
	Cyanide	Sulfide	
		<u></u>	
Method:	7.00	7.04	
	7.3.3	7.3.4	
Analyst:	J. Teheria	J. Teheria	
Concentration:	116	500	
Units:	ppm	ppm	
LAB. CONTROL			
SAMPLE DATA			
OAMI EL DATA			
Date Analyzed:	May 6, 1996	May 6, 1996	
Instrument I.D.#	1	1	
LCS%			
Recovery:	31	93	
MAATOW COME			
MATRIX SPIKE			
& DUP. DATA			
Date Analyzed:	May 6, 1996	May 6, 1996	
Instrument I.D.#	1 1	1 1	
modulienti.D.#	1	1	
Matrix Spike			
% Recovery:	36	86	
70 1100010191	00	00	
Matrix Spike			
Duplicate %			
Recovery:	33	85	
	00		
Relative %			
Difference:	9.0	1.9	<b>~.</b>
		* *	

**GREAT LAKES ANALYTICAL** 

Relative % Difference:

Conc. of M.S. - Conc. of Sample Spike Conc. Added

x 100

% Recovery:

Conc. of M.S. - Conc. of M.S.D. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

Kevin W. Keeley Laboratory Director



### Wilder Brown Andrew

1380 BUSCH PARKWAY BUFFALO GROVE, ILLINOIS 60089-4505 (847) 808-7766 FAX (847) 808-7782

Client: PSI	BILL TO: SAME	TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
Address: 16601 W. Dakota St.	· ·	DATE RESULTS NEEDED: 5-6-96
New Parlin WT 53066		TEMPERATURE UPON RECEIPT: ON ICE
Report to: Jon Heberer Fax #: (414)641-0918	State & Phone #: ( ) Program: レエ, LUST	AIR BILL NO. GLA P/a
Project: 1728 Kevosene		SAMPLE CONTROL
PO/Quote #:  FIELD ID, LOCATION	Samuelle Sam	LABORATORY  SELECTION  ID NUMBER
1 WC 1 5-3-96 10:10	S ICE 2 402 XXXX	6050425
2		
3		
4		
5		
6		
7		
8		
9		
10		
RELINOUISHED 5-3-96 RECEIVED (V)		1) RECEIVED Well a and 5/3/95
RELINOUISHED RECEIVED	RELINQUISHED	RECEIVED
COMMENTS: Reactive (yanide: SW846	Shipid on ICE	
Reactive Sulfide : 5W E46	<u> </u>	PAGE OF

ate: 04/12/	95 FOR INTE	RNAL USE	DNLY	Analysis	No.: 041196DX
	Customer: Address: City Ste: Phone: EPA No:: Contact: Salesman: Broker:	1738 W N	STIONAL WAUKEE	WI.	532040000 36
Phases/La	pH: 6.9				
Compone	ents		Percent		
2) WATER 3) 4) 5) 6)	SEME L.S.		99.9 .1		
7) 8) 9) 10) 11) 12) 13) 14) 15)					
Water Co	Codes: overy:70 evity: 0.850 ntent: .01 pH: 7.9 Date: 4/12/96 ed by: J6 ption: RG MASTE!	COMBUSTIS 41993 PG	LE LIQUID, III	ນ.ບ.ຣ. (Ki	EROSENE) (COMBUSTIBLE
	er tou:				
Comments:		-		. ;	
WASTE FUEL	QIL.				
•	·			. 1	•

### **DILHR Certification**

UNL. 15H00615H012.RPT PSI, Inc.

The State of Wisconsin  Dept. of Industry, Labor & Human Relations Safety & Buildings Division				
Certific	ation			
Expiration Date:	Certification Number:			
02/28/98	6730			
Activity:	See Sept			
SITE ASSESSO	2 may 1			
Name:	Ton /			
STEVEN L'HAILER				
CUT ON THIS	LINE A			

REMOVE THIS CARD TO CARRY AS AN IDENTIFICATION

The State of Wisconsin

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS

SAFETY & BUILDINGS DIVISION

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.:

SITE ASSESSOR

O2/28/98

6730

STEVEN L HAILER
704 ST CLAIR AVE
SHEBOYGAN, WI 53081

## Tank Inventory

U:\..\5H006\5H012.RPT PSI, Inc.

# sconsin Department of Industry, or and Human Relations

UNDERGROUND
PETROLEUM PRODUCT
TANK INVENTORY

Send Completed Form To: Safety & Buildings Division P.O. Box 7969

or Office Use Only:	TANK INVENTORY Madison, WI 53707						
nk ID # 402008540	Information Required By Sec. 102.142, Wis. Stats. Telephone: (608) 267-5280						
Inderground 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 that least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for ch tank. Send each completed form to the agency designated in the top right corner. Have you previously registered is tank by submitting a form? YES NO If yes, are you correcting/updating information only? Yes No the information you provide may be used by other government agency programs [Privacy Law, s. 15.04 (1) (m)].							
s registration applies to a tank that is (check			Fire Depar	tment Providi	ing Fire Coverage		
. 🔲 In Use or 1B. 🖂 Newly Installed 4.			rship   Where Tar	nk Located:			
	☐ Closed - Filled With	(Indicate new o	wner City	of Mi	/ Wantee		
	Inert Material	below)	/	•			
	Out of Service - Provide Dat	e;					
1. IDENTIFICATION: (Please Print) 1. Tank Site Name	Site Addre	ess 738 West	Natronal	Avance	Site Telephone No.		
City Village		State	Zip Code	Cou	nty		
2. Owner Name (mail sent here unless indicate	ted otherwise in #3 below)	Wiskonsin Owner Mailing Addr	ess (mail sent here	unless ludicat	Miswallee ed otherwise in #31		
Mac Inc.		6312 Sout	6 27 Th 3	treet			
3 City Village  Bak Creek	☐ Town of:	State Wisconsin	Zip Code: 5315		Milwaytee		
3. Alternate Mailing Name If Different Than	#2	Alternate Mailing St	reet Address II Diff				
] City   Village	☐ Town of:	State	Zip Code	Cou	inty		
4. Tank Age (date installed, if known; or yea	rs old)   5. Tank Capacity (gallo	ons) [6, Tank Manu	ufacturer's Name (i	l			
Unhnown	4,000						
5. 🗌 Industrial 🕝 🖟 🗀 C	Bulk Storage Sovernment Other (specify):	3. Utility 7. School	<u> </u>	4. ☐ Me 8. ☎ Res	rcantile idential		
TANK CONSTRUCTION:			• .	•			
1, ⊠ Bare Steel 2. □ C 3. □ Coated Steel 4. □ F	Cathodically Protected and Coat Fiberglass	ed Steel (A. 🔲 Sacri	ificial Anodes or B Other (specify):	. 🔲 Impresse	d Current)		
6. Relined - Date 7. S	Steel - Fiberglass Reinforced Plas	stic Composite 9. [	Unknown				
Approval: 1. Nat'l Std. 2. UL 3.	Other:		, Is Ta	nk Double Wa	alled?   Yes   No		
Overfill Protection Provided? Yes No	o If yes, identify type:	·		Containment	7 Yes No		
Tank leak detection method: 1.   Automat	ic tank gauging 2. 🗌 Vapor	monitoring 3.	Groundwater mo	nitoring 4.	☐ Inventory control and		
tightness testing 5. Interstitial monitor . PIPING CONSTRUCTION	ing 6. M Not required at pre	sent /. [] Manu	iai Tank Gauging (d	only for tanks	of 1,000 gallons or less)		
1. ☐ Bare Steel 2. ☐ Cathodically Protec 4. ☐ Fiberglass 5. ☑ Other (specify):	ted and Coated or Wrapped Ste	el ( A. 🔲 Sacrificial A	nodes or B. 🗆 Im	pressed Curre	nt) 3. 🗌 Coated Steel 9. 🗍 Unknown		
iping System Type: 1. ☐ Pressurized piping 3. ☐ Suction piping with	with: A. 🗌 auto shutoff; B. 🔲 a n check valve at pump and inspe	ctable					
Piping leak detection method: used if pressuring 3. Groundwater monitoring 1984.	zed or check valve at tank: 1. [ ] Tightness testing	] Vapor monitoring ] Line Leak Detector	2. ☐ Interst 6. ☐ Not Re	itial monitorir quired	ng		
pproval: 1. Nat'l Std 2. UL '3	3. 🗆 Other:		Double V	Valled:	Yes . □ No		
E. TANK CONTENTS		· · · · · · · · · · · · · · · · · · ·		,			
1.							
* If # 13 is checked, indicate the chemical nar	me(s) or number(s) of the chemi	_					
Trat Class Circ Data (see Assets at the see		111	- A been complete		a sida fas dataila)		
i Tank Closed, Give Date (mo/day/yr): April 16,1996		Has a site assessme	nt been completed		e side for details)		
If installation of a new tank is being reported,	indicate who performed the in-	tallation introctions					
1. Fire Department 2.		3. 🔲 Other (ider					
Name of Owner or Operator (please print):			Indicate Whether:				
NICTEGALY WHY FMAN		}		ner or 🔲 O	)perator		
Signature of Owner or Operator:			Date Signed:	·			
NIC mc gay Vanfina		Ì	11 11	1991			
"" J" / ' V"			May 10	11/6			

Date Signed:

May 10, 1996

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

#### sconsin Department of Industry, sor and Human Relations

SBD-7437 (R. 05/94)

For Office Use Only:

### UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

102 142 Wie State

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

Information in the state of the	tion Required By	Sec. 102.142, W	is. Stats.          Tele	phone: (608) 267-5280	
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 of that least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for thank. Send each completed form to the agency designated in the top right corner. Have you previously registered thus tank by submitting a form? XYES XYES Are you correcting/updating information only? XYES NO If yes, are you correcting/updating information only? XYES NO It is information you provide may be used by other government agency programs (Privacy Law, s. 15.04 (1) (m)).					
s registration applies to a tank that is (check one): □ In Use or 1B. □ Newly Installed 4. ② Closed - Tan 2. □ Abandoned With Product 6. □ Closed - Fille	•	Changed Ownership (Indicate new owne	Where Tank Locat	roviding Fire Coverage ed:	
	al ce - Provide Date:	below)	City of A	Milwaukee Fire Deputa	
DENTIFICATION: (Please Print)  Tank Site Name  NDC, Inc.   Maga Mart	Site Address	West Not	inal Avenue	Site Telephone No.	
City Village Tow	n of: State	3	Zip Code 53204	Milwanhee	
2. Owner Name (mail sent here unless indicated otherwise in MC, Fig.				idicated otherwise in #3)	
Scity Village Tow	W.	sconsin	Zip Code : 53154	Milwanke -	
3. Alternate Mailing Name If Different Than #2			Address If Different Fr	•	
City   Village   Tow	• • • • • • • • • • • • • • • • • • •		Zip Code	County	
Unknown 4	000	O. Talik Wallulace		1	
Gas Station   2.   Bulk Storage   5.   Industrial   Government   9.   Agricultural   Government   Governmen	7.	Utility School		Mercantile Residential	
TANK CONSTRUCTION:    Bare Steel   2.   Cathodically Protected and Coated Steel (A.   Sacrificial Anodes or B.   Impressed Current)   Steel - Fiberglass   5.   Other (specify):					
Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: Overfill Protection Provided? ☐ Yes ☑No If yes, identif			Spill Contain		
Tank leak detection method: 1. ☐ Automatic tank gauging tightness testing 5. ☐ Interstitial monitoring 6. ☑ Not	2. ☐ Vapor mon required at present	nitoring 3. 🗌 Gro 7. 🔲 Manual Ta	oundwater monitoring ank Gauging (only for	4. Inventory control and tanks of 1,000 gallons or less)	
PIPING CONSTRUCTION  1. □ Bare Steel 2. □ Cathodically Protected and Coated  4. □ Fiberglass 5. ☑ Other (specify):				9. 🔲 Unknown	
ping System Type: 1. ☐ Pressurized piping with: A. ☐ auto 3. ☐ Suction piping with check valve at				•	
Piping leak detection method: used if pressurized or check val 3. ☐ Groundwater monitoring 4. ☐ Tightness test			2. ☐ Interstitial mor 6. ☐ Not Required	nitoring	
pproval: 1. Nat'lStd 2. UL '3. Other:			Double Walled:	□Yes . ⊡No	
c. TANK CONTENTS         1. □ Diesel ,					
* If # 13 is checked, indicate the chemical name(s) or number	(s) of the chemical o	r waste.			
1 Tank Closed, Give Date (mo/day/yr):  April 16, 1946	Has	s a site assessment b	een completed? (see i	everse side for details)	
finstallation of a new tank is being reported, indicate who pe					
1.  Fire Department 2.  DILHR  Name of Owner or Operator (please print):	. 3.	Other (identify	cate Whether:		
GARY KATEMAN			Ø Owner or	☐ Operator	
Signature of Owner or Operator:		Dat	e Signed:		
MX mc Court Cuntina			Mar. 10 10	996	

#### /isconsin Department of Industry, abor and Human Relations

# UNDERGROUND

Send Completed Form To: Safety & Buildings Division P.O. Box 7969 Madison, WI 53707

PETROLEUM PRODUCT For Office Use Only: TANK INVENTORY ank ID # 402008538 Telephone: (608) 267-5280 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 ach tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? XYES NO If yes, are you correcting/updating information only? XYES NO The information you provide may be used by other government agency programs (Privacy Law, s. 15.04 (1) (m)). his registration applies to a tank that is (check one): Fire Department Providing Fire Coverage A. 🔲 In Use or 1B. 🔲 Newly Installed 4. 🔀 Closed - Tank Removed 8. 🗀 Changed Ownership Where Tank Located: 6. Closed - Filled With 2. 

Abandoned With Product (Indicate new owner 3. Abandoned No Product (empty) · · · Inert Material helow\ or With Water 7. Out of Service - Provide Date: IDENTIFICATION: (Please Print) 1. Tank Site Name Site Address Site Telephone No. ☐ Town of: ☐ Village Owner Name (mail sent here unless indicated otherwise in #3 below) Owner Mailing Address (mail sent here unless indicated otherwise in #3) South 2フナカ トケルベー County ☑ City ☐ Village ☐ Town of: State Zip Code : 53154 14 Alternate Mailing Name If Different Than #2 Alternate Mailing Street Address If Different From #2 City □ Village State Zip Code ☐ Town of: County Tank Age (date installed, if known: or years old) 5. Tank Capacity (gallons) 6. Tank Manufacturer's Name (if known) Unhacen TYPE OF USER (check one): 3. Utility
7. School ☐ Gas Station 4. ☐ Mercantile 8. ☒ Residential 2. 🔲 Bulk Storage ☐ Industrial 🗥 6. 🔲 Government 10. Other (specify): 9. Agricultural TANK CONSTRUCTION: **⊠** Bare Steel 2. Cathodically Protected and Coated Steel (A. Sacrificial Anodes or B. Impressed Current) 1. ☐ Coated Steel 4. Fiberglass 5. Other (specify):
9. Unknown 3. 7. Steel - Fiberglass Reinforced Plastic Composite 6. Relined - Date Approval: 1. Nat'l Std. 2. UL 3. Other: Is Tank Double Walled? Yes X 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 tightness testing 5. ☐ Interstitial monitoring 6. ❷ Not required at present 7. 3. Groundwater monitoring 4. Inventory control and 7. Manual Tank Gauging (only for tanks of 1,000 gallons or less) 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): | Ware 9. | Unknown 'iping 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.  $\square$  Vapor monitoring 2. | Interstitial monitoring 6. Not Required 3. Groundwater monitoring 4. Tightness testing 5. Line Leak Detector Approval: 1. Nat'l Std 3. Cher: Double Walled: . 2. 🗍 UL ☐ Yes □ No TANK CONTENTS 4. See Fuel Oil .2. 🔲 Leaded 🛫 1. ☐ Diesel . Juneaded ... 8. Sand/Gravel/Slurry 5. Gasohol 6. Other 7. 🗌 Empty 12. 🔲 Propane 10. Premix 11. Waste Oil 9. Unknown 13. 

Chemical \* 14. | Kerosene 15. Aviation If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste. Has a site assessment been completed? (see reverse side for details) If installation of a new tank is being reported, indicate who performed the installation inspection: 1. Fire Department 2. DILHR 3. Other (identify) Name of Owner or Operator (please print): Indicate Whether:

GARY WAUFMAN ☑Owner or ☐ Operator mu

Date Signed:

**Tank Disposal Documentation** 

UNUMH0065H012.RPT PSI, Inc.

4	TING	E CONTAINS HA	YZAR	DOUSMATE	ALS			- E.L. W.	<b>t</b>
	is an acknowle	NEMORANDUM dgement that a bill of lading has been issued and is not the Original Bill of Lading, not cate, covering the property named herein, and is intended solely for filing or record.			Ship	per's No			
	CARRIER:	Ellertson Enterprises		SCAC	`Car	rier's No	Da	te 4/18	5/96
	TO: Consignee Street Destination	Niller Compressing 1640 W. Bruce St. Milwaukee, WI Zip 53204		FROM: NO. Shipper 17. Street Origin	C 38 W. M	Mational P, WI		Zip	53204
	Route:				\	ehicle Numb	per U.S	6. DOT Ha	zmat Reg. No.
<b>o</b>	No. Shipping X HM Units	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)		HAZARD CLASS	l.D. Number		WEIGHT (subject to correction)	RATE	LABELS REQUIRED, (or exemption)
		Clean, cut & dispose of 1-550 cal.							
		2-4,000 cal. Underground Storage							
Sign		Tanks.		11/2					•
	Remit C.O.D.	to:		C O D	. Amt:	C. O. D. I	===:	<u> </u>	
SAINA	Address: City:	State: Zip:		\$ 24/3	đ	Prepaid Collect	\$	PRI	GHT CHARGES EPAID COLLECT
991	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								
	packages unknot contract) agrees or any portion of governing classi	win), marked, consigned, and destined as indicated above which said carrier (the word ca to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver if said route to destination and as to each party at any time interested in all or any said fication on the date of shipment. sertifies that he is familiar with all the bill of lading terms and conditions in the governing cla	rrier being to anothe property,	gunderstood throughout er carrier on the route to that every service to be	this contract as said destination. e performed her	meaning any person It is mutually agreed eunder shall be subj	or corporation in as to each carri- ect to all the bill	n possession of t er of all or any of, of lading terms	he property under the , said property over all and conditions in the
	This is to certify that the	e above-named materials are properly classified, described, packaged, marked and oper condition for transportation according to the applicable regulations of the	DS A		/ <u>A</u>	PLACARDS SUPPLIED	YES		NISHED BY CARRIER
	SHIPPER:			CARRIER:	HSEC/	Ellertso	n Ente	rorises	
	PER:			PER:	<i>i</i>		<u> </u>		
1000  4000	DATE: EMERGENC	Y RESPONSE		DATE: Monitored at	all times th	4/15/95 ne Hazardous	Material is	in transpor	tation
	TELEPHONE	NUMBER:( ) S-A3. (REV. 3/93)		including sto	rage incide	ental to transpo	ortation (17	2.604).	

CONTAINS HAZARDOUS MATERIALS

**Tank Sludge Disposal Documentation** 

UNUMH0065H012.RPT PSI, Inc.

	SHIPPING		• • •	and retained by the agent.	nt of in Cardon,		NA	ME OF CAR	RIER
RECEIVED, sub	oject to the classifications a	nd lawfully filed tariffs in effec	t on the date of issue of	this Original Bill of Lading.	$\overline{}$		MI	LWAU	KEE SOLVENTS
	NDC				DATE		SHI	PPER'S NO.	
FROM	1738 W N	IATTONAL				10		159	570
AT	MILWAUKE		WI	53204		19	CA	RRIER'S NO	<u> </u>
EX I	TILLWAYONE		8.4 T	JUNEON	ı				•
İ	L								
this contraction. It hereunder shipment, a	ct as meaning any person or it is mutually agreed, as to e shall be subject to all the te sor (2) in the applicable moto pper hereby certifies that h	corporation in possession of the ach carrier of all or any of said j erms and conditions of the Unifor r carrier classification or tariff i	property under the continuous or any or all or any m Domestic Straight Bill this is a motor carrier send conditions of the so	d bill of lading, including those o	on, and as to each party at any , Southern, Western and Illinois	time interested in all or a Freight Classifications in	ny of said pro effect on the	perty, that e date hereof, i	rier on the route to said des- very service to be performed f this is a rail or rail-water
	(MAIL OR STREET	ADDRESS OF CONSIGNEE-	FOR PURPOSES OF	NOTIFICATION ONLY.)				i je	
					ROUTE			· · ·	
'	' MILWAU	KEE SOLVEN	TS		' [				
CONSIGNED	N59 W14	4776 BOBOL	INK AVE.				SAME		
TO AND	MENOMO	NEE FALLS,	WI 5305	1	Deliveri Address				RIFFS PROVIDE FOR DELIVERY THEREAT
DESTINATION						FILLED IN ONLY WHEN SHIPPE RING CARRIER	R DESIRES AND		RIFFS PROVIDE FOR DELIVERY THEREAT
						AUKEE SO	LUENT	re	
						HUNKER AR	L. Y L. 1 4 1		
NO OF CHI	IPPING UNITS H.M.	KIND OF BACKAG	ES DESCRIPTION O	F ARTICLES, SPECIAL MAR	NE AND EXCEPTIONS	WEIGHT (SUBJECT TO CORR.)	CLASS OR RATE	CHECK COLUMN .	Subject to Section 7 of conditions
/	1 dr 5590	NON-HAZ	ARDOUS N	on-regulat Wa# 041	·····			s c c f	f applicable bill of lading, if this himment is to be delivered to the onsignee without recourse on the onsigner, the consignor shall sign th allowing statement: The carrier shall not make deliver, this shipment without payment o eight and oll other lawful charges.  (Signature of Consignor.)
		EMER RESP	PH #: (4	14) 355-52	50				If charges are to be prepaid, writ stamp here, "To be Prepaid":  Received \$ apply in prepayment of the charge and the property described herean.
REMIT C.O.D	D. TO: (ADDRESS)			<b>!</b>	AMOUNT	C.O.D. CHARGE		R 🔲	
	2			\$		TO BE PAID BY	CONSI	GNEE 🗌	Agent or Cashier.
elf the shipment mo +Shlocer's imprints is	oves between two ports by a carrie in tieu of stamp; not a part of Bill of La	er by water, the law requires that the bil ding approved by the Department of Transpo	l of lading shall state whether irtation.	in proper condition for transportation acitis "carrier's or shipper's weight".  SIGNATI ed value of the property and all other requirements of Rule 41 of t	IDE	TITLE:			Per (The signature here acknowledge only the amount prepaid.)
THIS	SHIPMENT IS CORREC	101	e agreed or declare operty is hereby spe	cifically stated					Charges Advanced,
CORRECT WI	EIGHT IS	LBS. by	the shipper to be	not exceeding	199			<u> </u>	7
<b>,</b> :2			Shi	ppor NOC	Helen	this Ship the Original	ping 0	rder 21	kand retain id must sign

#### FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK THIS MEMORANDUM - CUSTOMER COPY FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT. न्वि बॉट्विप् रहें, विक्रीटिबाई, cover कि कि किर्पनि रिक्निवेर निकालि मिला है। And is intended solely for filing or record THE MILSOLV COMPANIES A B/L PATE RECYCLE PAPER 14765 W. BOBOLINK AVE > MENOMONEE FALLS ~WI 53051 CARRIER ,B/L/ NO. MILSOLV SERVICE CORP NDC: s o NOC 1738 W NATIONAT 1738 W NATIONAL NORTH SHORE NORTH SHORE 159570 D 53204 MILWAUKEE, WI MILWAUKEE, WI 53204 19:39:29 6/11/96 PAGE 1 OF TOPERATOR CUST.NO. SALES AG. REQ. NO. 50310 DEE 37L1 RAC CUST, ORDER NO. REQUIRED DATE WHSE. FREIGHT CHECKED BY 06/12/96 PREPAID 6/12/96 KEN 37L1 HARTING QUANTITY QUANTITY NFT **GROSS** B.O. **PACKAGING** DESCRIPTION ORDERED SHIPPED М WEIGHT WEIGHT 1 EWORUM NON-HAZARDOUS NON-REGULATED Х PG PROD #: 900008 ERG #: 图台幕 041796F \*\*\* WABTE FOR PICK UP \*\*\* TECHARGE MANIFEST PREPARATION PROD #: 910101 ERG 推: LOT NUMBERS NUMBER OF MILBOLY PALLETS: TOTAL POUNDS: LIFTGATE/MNFEBT/NABELS. CALL KEN W/NORTH SHORE I HOUR BEFORE PU 25574468 √Í VERIFY THAT THE QUANTITIES, LABELS AND LOT NUMBERS ARE CORRECT EXCEPT AS NOTED 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. NOTE-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation The agreed or declared value of the property is TIME IN according to the applicable regulations of the Department hereby specifically stated by the shipper to be not of Transportation. TIME OUT (Signature of Consignor) 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 RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the 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 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 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. and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns. Remit C.O.D. to: C.O.D. Fee: Prepaid [ Address: COD Amt: Collect \$ : State: WE CERTIFY THAT WE ARE AN EQUAL OPPORTUNITY EMPLOYER THAT WE COMPLY WITH EXECUTIVE ORDERS #11246 AND #1137 COMMON/PRIVATE carrier hereby acknowledges that at the time this shipment was offered for transpor-FREIGHT CHARGE Prepaid Collect \*The fiber boxes used for this shipment conform to the specifications set forth in the box marker's certification thereon, and all other requirements of the Uniform Freight Classification. \*Shipper's imprini in lieu of stamp, not a part of bill of lading approved by the Interstate tation by highway, the shipper offered and/or provided the required D.O.T. Hazardous Material Placards. Driver's YES NO - FURNISHED BY CARRIER DRIVER SIGNATURE: Signature Commerce Commission SOLV

MIL

7.

CARRIER:

PER:

DATE

SERVICE

1.7

MILSOLV

SHIPPER

PER:

DATE:

CORPORATION

TRAFFIC

国合图合信证 良

GREER

**Checklist for Underground Tank Closure** 

PSI, Inc.

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, Will: 53707

A. IDENTIFICATION: (Ple	ase Print)	ndicate whether		•	Tank Onl	у 🔲	Piping Only
Site Name			2. Owner Na	me , 100			
Site Street Address (not P.Q. B	ľ	1	Owner Street		o C1		
(City, Villa	11UNCL	Town of:	IX City	Village Town	. V	Zic	Code
Milwauken	Ø )	rown or.		Creyk			3154
	p Code	County	1Kee Nilwa		one No. (include a		<u>'O</u>
3. Closure Company Name (F	rint)	Clo	sure Company Street Ac	ldress,		00-1	
Closure Company Tolephone N	NV. CON		117 W1846 sure Company City, Stat		ori Dr.	<del></del>	
(1/11) 255-L			urnanti		1 5302	2	
4. Name of Company Performi	ng Closure Asse	3 .	sessment Company Street	4 2		11)I	53151
Telephone # (include area co	de) Certified As		WOI W. MKC	Signature 1			Certification No.
(414)641-091		! Huller		Step Hair	21	67	30
Tank ID#	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closur	e Assessment
1.	$\not \mathcal{D}$			4000	14	<b>Z</b> 2	KΛ □ N
2.	TX.			4000	14		K <sub>b</sub> □ n
3.	<b>IX</b>			550	4		(Ŷ □ N
4.					455 34 3 62 3		Y N _,
5.	<u> </u>	<u> </u>					IY N
6.	numorio codo	01 Diogal: 02 Lo:	adad: 03 Halaadad: 0	4 Fuel Oil: 05-Gas	obol: (62Othor:		Y N
* Indicate which product by 11-Waste oil; 13-Chemica	al (indicate the	chemical name(s)	or numbers(s)	4-ruer Oil, 03-das	14	4-Kerosei	ne; 15-Aviation.
Written notification was prov	ided to the loc	al agent 15 days ir	advance of closure	date	The Color	×Υ	□ N □ NA
All local permits were obtain			- 1 Designation Court - Court Annual Court				
Check applicable box at B. TEMPORARILY OUT			tements in Section	IS B - E.	-	<u>nover li</u> rified	nspector NA Verified
Written inspector appro		ry closure obtained	l, which			/ [7] Ni	
is effective until (provide 1. Product Removed	e date)				Y	_ N	
a. Product lines drain							
<ul><li>b. All product remov</li><li>c. All product remov</li></ul>							
<ol><li>Fill pipe, gauge pipe</li></ol>	, tank truck vaj	oor recovery fitting	s, and vapor return lir	nes capped	۱۱		
<ol> <li>All product lines at the second of the second</li></ol>						/	
<ul><li>5. Vent lines left open.</li><li>6. Inventory form filed in</li></ul>							
C. CLOSURE BY REMO		oorary closure.		strateristration and studies		г Пли	
1. Product from piping		nk (or other contain	ner)			Υ□N	
<ol><li>Piping disconnected</li></ol>	from tank and	removed				Υ□N	
<ol> <li>All liquid and residue</li> <li>All pump motors and</li> </ol>	e removed fror Lsuction hoses	n tank using explos s bonded to tank o	sion proof pumps or h cotherwise arounded	nand pumps	[] `	Y   N Y   N	
<ol><li>Fill pipes, gauge pip</li></ol>	es, vapor reco	very connections,	submersible pumps a	ind other fixtures r	emoved. ' 🙀 🕻	ΥÖΝ	
NOTE: DROP TUBE THE USE OF AN ED	UCTOR.	<b>X</b>		•	*		
<ol><li>Vent lines left conne</li></ol>	cted until tank					Y [] N	
<ol> <li>Tank openings temp</li> <li>Tank atmosphere re</li> </ol>	orariiy pluggei	so vapors exit thr	ougn vent		LJ. `	ΥUN	
9 Tank removed from	duced to 10%	of the lower flamm	iable range (LEL) - <u>s</u> e	e Section F	🔯 `	YΠN	
promption that the state of the second	duced to 10% excavation after the state of t	of the lower flamm er PURGING/INER tradit and tradition	lable range (LEL) - <u>se</u> FING; placed on leve (Chilling) blickling	ee Section F I ground and block this work.	<b>⊠</b> ` œd Bharatathas <b>A⇔</b> r	Y ∐ N Vä <b>jitts</b> Võii	
10. Tank cleaned before	excavation after	er PURGING/INER	TING; placed on leve	ground and block	ked Haratalana 1584	Х □ И А!ЩИ;; А □ И	

_	CLOSURE BY REMOVAL (continued)	Remover Verified	Inspector Verified	<u>NA</u>
	11. Tank labeled in 2" high letters after removal but before being moved from site	N ☐ N	Vermed	П
	NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE;	<i>y</i>	<u></u>	
	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			
No company	14. Site security is provided while the excavation is open.	<b>∕</b> ØY □ 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 4	erige in the control of	ingray .
	<ol> <li>Product from piping drained into tank (or other container).</li> <li>Piping disconnected from tank and removed.</li> </ol>	$\Box$ Y $\Box$ N		□n
	3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.			$\mathbb{H}$
	4. All pump motors and suction hoses bonded to tank or otherwise grounded			Ħ
	5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.			iti
	NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH		<del></del>	<b>T</b>
	THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT ABOVE GRADE.			🦃
	6. Vent lines left connected until tanks purged.			Щ
	<ol> <li>Tank openings temporarily plugged so vapors exit through vent.</li> <li>Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.</li> </ol>			$\mathbb{H}$
	9. Tank properly cleaned to remove all sludge and residue			H
	10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.			Ħ
	11. Vent line disconnected or removed			面
	12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place	Y _ N	l	
F	CLOSURE ASSESSMENTS			- main a Committee
	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.	_ [X] Y □ V		
	2. Do points of obvious contamination exist?			
	3. Are there strong odors in the soils?			
	4. Was a field screening instrument used to pre-screen soil sample locations?			
	<ul><li>5. Was a closure assessment omitted because of obvious contamination?</li><li>6. Was the DNR notified of suspected or obvious contamination?</li></ul>		; ·H	님
	Agency, office and person contacted:	LJ' KA'	لاا .	
	7. Contamination suspected because of: Odor Soil Staining Free Product Sheen On Groundw	ater 🔲 Field	l Instrument	Test
	METHOD OF ACHIEVING 10% LEVEL DESCRIPTION	****		***************************************
٠.	Educator Or Diffused Air Blower Total Minds and the Minds and the control of the control of the Minds and the Mind	وسيها والمستعوب	ing Character	energy and
	Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum			
	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 gre	atest possib	le tank
	area. Dry ice evaporated before proceeding.	ne due m		OT DE
	Inert Gas (CO/2 or N/2) NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT	HE. THE L	ANK MAY N	OIBE
	Gas introduced through a single opening at a point near the bottom of the tank at the end of the tan			
	Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing			
	Tank atmosphere monitored for flammable or combustible vapor levels.			·.•
	Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank span			
	and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained by		•	
<b>I</b> rect	ground	11.1 11.1 11.1		
G.	NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW			
H	REMOVER/CLEANER INFORMATION	on and the second of the second		
		~~ ~ <i>'</i>	~~ ^-	ac
	Remover Name (print)  Remover Signature  Remover Cer			
	Remover Name (print) Remover Signature Remover Cer	tification No.	Date Signe	ed
1.	INSPECTOR INFORMATION	August an Alburkus von a 446	Berliner in Committee States in the committee of the comm	S-10-10-10-10-10-10-10-10-10-10-10-10-10-
			<b>-</b>	
	Inspector Name (print)  Inspector Signature	<u></u>	- 7J	
	Inspector Name (print) Inspector Signature		Pertification N	
	III James Contract 4020 Contraction of Contraction of the Contraction			2 4年期
_	FDID # For Location Where Inspection Performed Inspector Telephone Number	Date Signe	a '	

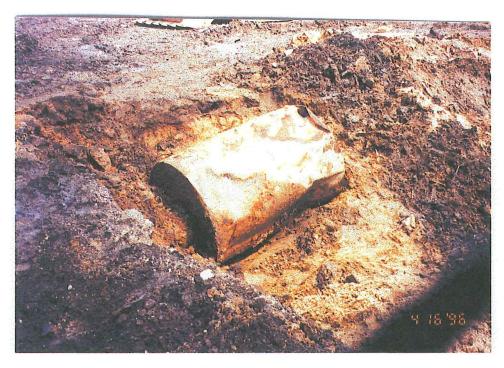
attaktibilita

## Photographs

U:\..\\\$H006\\\$H012.RPT PSI, Inc.



View toward the south of two approximately 4,000 gallon underground storage tank. The side of the other tank is visible to the west (right) of the competely exposed tank.



View of the approximately 500 gallon underground storage tank.



UID Number: 03-41-10)491 FID Number: 041	88307 O PMN Number:
County: 41	Initial Contact Date: 5,13,96
Site Name: NDC, Inc., mega Marts	Date RPLetter Sent:/
Address: 1738 West National Ave	Date Closure Approved: 6,18,97
Milwankee	
Municipality:	Person/Firm Reporting:
Legal Descript: 4E1/4 SE 1/4 sec. 31 T 7 N R 22/EW)	John He beief PSI Inc.
Lat.: Long.:	Phone Number: ( )
Priority Screening Scoring Criteria Funding Sou	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
3 = Low 3. 3 = E	F
4 = Unknown 4 = C	ther/
3.	
Score: Init.: Date:/	
Case Status	art Date End Date
(F) Free Product Removal	art Date End Date
(E) RP Emergency Response	
(R) LTF Emergency Response	
(L) Long Term Monitoring	
Responsible Party	Impacts
Contact Person: Gary War fran	Enter "P" for potential and "K" for known
Company Name: NDC, Inc. Mega Marts	(1) Fire/Explosion Threat
Address: 6312 5: 27 - 31.	(2) Contaminated Private Well(s) # of Wells
milwaskee 53221	(3) Contaminated Public Well
Phone Number: (414 761 2040)	(4) Groundwater Contamination
CC's:	(5) Soil Contamination
	(6) Other:
	(7) Surface Water Impacts
	(9) Floating Product
	C.L.
Consultant	Substances # Tank(s) Size
Contact Name: John Heberer	— (1) Leaded Gas
Company Name:: 1 + nc.	(2) Unleaded Gas
Address: 16601 West Da Kota St.	$\frac{1}{4}$ (4) Fuel Oil $\frac{3}{4}$ $\frac{1}{4}$ $\frac$
New 1305 (10, WI 53/51	— (5) Unkwn Hydrocrbn — — — — — — — — — — — — — — — — — — —
Telephone: ( )	— (12) Waste Oil

WDNR, Attn: Giselle Red

TO:

#### Wisconsin Department of Natural Resources

### Notification of Petroleum Contamination from Underground Storage Tank System

Please complete this form and FAX it to Giselle Red, LUST Program Assistant, Southeast District, Milwaukee, immediately upon discovery of a release from an UST system.

	FAX #: 414-229-0810
1.	Name, Company, mailing address and phone number of person reporting the discharge:  Jon Heberer Professional Service Industries, Inc. 16601 West Dakota Street New Berlin, Wisconsin 53151  MAY 1 6 1996
2.	Site Information  D.N.R. SED Hatrs.
	Name of site at which discharge occurred (local name of site/business - not responsible party name, unless a residence):  NDC, Inc Mega Marts.
	Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., ¼ mile NW of CTHs 60 & 123 on E side of CTH 60): 1738 West National Avenue
	Municipality (city, village, township in which the site is located - not mailing address):  City of Milwaukee (53204)
	County: Milwaukee
	Legal Description: NE 14, SE 14, Section 31, Tn 7, Range 22 ©W
3.	Responsible Party (RP) and/or RP Representative Information
	Company Name: NDC, Inc Mega Marts
	Contact Person: Gary Kaufman
	Mailing Address (with zip code): 6312 South 27th Street
	Telephone Number: 414/761-2040
4.	Identify tank size(s) and contents (list all that apply):
	Unleaded gasoline       2(4,000G) 1(550G)       Fuel oil         Leaded gasoline       Waste oil         Diesel       Other
	PSI- 782-1600

5.	Impacts to the environment:
	Fire/explosion threat Contaminated private wells (# of wells) Contaminated public wells Groundwater contamination  X Soil Contamination Surface water impacts Floating product Other Other
6.	Contamination was discovered as a result of:
	Tank closure assessment Site assessment X (Other) Construction
7.	Immediate actions being taken and the name of the contractor or other person performing the actions:  Tank closure assessment by PSI.  Tank removal by NorthShore Environmental Contractors, Inc., Germantown, Wisconsin.
8.	Source, speed of movement, and destination or probable destination of the discharged hazardous substance:  No contamination was observed during the tank closures. Extent of contamination based on laboratory results appears to be limited to the soils due to soil type. No groundwater was observed at the site.  Contamination of groundwater appears to be unlikely.
9.	Local soil type and topography in the area of the discharge, depth to groundwater, and distance to surface water: Soil type: silty sand overlying silty clay. Topography: gently sloping towards the north. Depth to groundwater: Approximately 15 to 20 feet. Storm water drain, which discharges to the Menomonee River, is located approximately 250 feet to the south.
10.	Weather conditions existing at the scene, including presence of precipitation, and wind direction and velocity:  Temperature approximately 50 degrees Fahrenheit and partly cloudy skies. Wind form the west at 10 to 15 mph gusting to 20 mph.
11.	Soil contaminant concentration of laboratory analytical samples (if known): 740 to 1400 ppm DRO
A đđ	itional Comments

Tank closure assessment and tank removal were conducted on April 16, 1996. No visual indication of contamination were observed at the site. Concentrations detected in the soil sample obtained for analyses were in the range of 740 to 1400 ppm DRO. Analytical results were obtained on May 9, 1996, several weeks after the tank closures.