Washburn

09-66-294008

midwest engineering services, inc.

geotechnical, environmental, & materials engineers

UNDERGROUND STORAGE TANK REMOVAL ASSESSMENT

Indianhead Medical Center

215 4th Ave. West

Shell Lake, Wisconsin

Prepared for

McDonalds Petroleum Service

RR3 Box 311

Chippewa Falls, WI 54871

October 6, 1995

MES Project No. 4-51016

RECEIVED
OCT 10 1995
MERG & REMEDIAL RESPONSE SECTION
OF SOLID & HAZRD WASTE

midwest engineering services, inc.
13 E. Spruce Street, Suite 105 • Chippewa Falls, WI 54729
715-720-0700 • FAX 715-720-0628

October 6, 1995

Pat McDonald
McDonald Petroleum
RR3 Box 311
Chippewa Falls, WI 54729

SUBJECT: Underground Storage Tank Removal Assessment
Indianhead Medical Center
215 4th Ave. West
Shell Lake, Wisconsin
MES Project No. 4-51016

Dear Pat,

In accordance with your request, Midwest Engineering Services, Inc. has completed the UST removal assessment for the above referenced site. Enclosed one (1) copy of the report summarizing the activities and test results. Two (2) copies have been sent to Indianhead Medical Center. Because no affected soils were discovered during the assessment, one (1) copy of this report has been sent to the Madison Office of the WDNR.

Bill Lefvre
Tank Response Unit - SW/3
101 S. Webster St.
Box 794
Madison, WI 54707

Midwest Engineering Services, Inc. appreciates the opportunity to be of service on this project. If you have any questions concerning this report or if we can be of further assistance, please feel free to contact us.

Sincerely yours,

MIDWEST ENGINEERING SERVICES, INC.

Kim L. Rodriguez
Hydrogeologist

James M. Becco, P.E.
Environmental Department Manager

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INTRODUCTION

General

This report presents the results of the assessment performed during the closure by removal of one (1) 10,000 gallon fuel oil underground storage tank and associated product lines at the Indianhead Medical Center located in Shell Lake, Wisconsin (see Figures 1 and 2). The work was performed for McDonalds Petroleum Service.

Tank Owner and Location:	**Rodney Olson** **Indianhead Medical Center** **215 4th Ave. West** **Shell Lake, WI 54871** **(715)468-7833**
Tank Cleaning Services, Excavating Contractor, Certified Tank Remover, Cleaning Technician:	**McDonald's Petroleum Service** **RR3, Box 311** **Chippewa Falls, WI 54729** **(715) 723-2059** **Pat McDonald** **(#623)**
Excavating Services:	**Swan Wennerberg Excavating** **Rt 1** **Shell Lake, WI 54871** **(715)468-7237**
DILHR Agent:	**Western Wisconsin Inspection, Inc.** **Buck Lear** **919 Fairfax St.** **Altoona, WI 54001** **(715) 833-7671**

Site Assessment Services: **Midwest Engineering Services, Inc.**
13 E. Spruce St., Suite 105
Chippewa Falls, WI 54729
(715) 720-0700

Certified Site Assessor: **Kim L. Rodriguez, CSA #05445**
(Certificate in Appendix)

Purpose and Scope

The purpose of the work was to observe the removal of the storage tank system, document the tank removal activities, and to subsequently assess the tank basin. The work was performed in general accordance with Wisconsin Department of Industry, Labor, and Human Relations (DILHR) and Department of Natural Resources (DNR) guidelines existing at the time. The completed Underground Storage Tank Inventory Form (SBD 7437) and the Checklist for Underground Tank Closure (SBD 8951) have been submitted to DILHR by McDonald's Petroleum Service (copies of the forms can be found in the Appendix). The removal/cleaning activities were performed by McDonald's Petroleum Service.

Authorization

Authorization to perform this work was provided in the form of a signed acceptance copy of MES Proposal No. 4-5132, dated September 5, 1995.

PROJECT DESCRIPTION

Site Features and Background Information

The subject site is located at 215 4th Avenue West, Shell Lake, Wisconsin. It is situated within the Northwest 1/4 of the Southwest 1/4 of Section 25, Town 38 North, Range 13 West of Washburn County (see Figure 1). The property is currently owned by the Indianhead Medical Center. Prior to ownership by the medical center, the site contained

residential buildings. The medical facility was built in 1968. The site contains one building with a hospital and a clinic. One (1) underground storage tank was present at the site and was installed in 1968 (Figure 2). The tank had not been in use for about one year prior to removal.

At the time of removal activities on September 12, 1995, the fuel oil tank was located on the north side of the building (Figure 2). Mr. Olson indicated that the facility has converted to natural gas, but that the tank had been utilized to store fuel oil for heating purposes.

A review of the 1994 Leaking Underground Storage Tank (LUST) database indicated that the Indianhead Medical Center was listed as an unknown priority in 1990. A review of the medical center's file indicated that the tank and lines had failed a tightness test. As a result, three soil borings were advanced to (B1) 16', (B2) 15', and (B3) 10.5' by Cooper Enigneering of Rice Lake, Wisconsin (see Figure 3). The results of analytical testing performed on soil samples for these borings indicated no petroleum detects. In addition, there were no discolorations, odors or PID detects in the soils collected. Due to the findings of the investigation, the WDNR in Cumberland, Wisconsin, required no further action, as stated in a letter dated March 2, 1994. No other sites were listed in the vicinity of the medical center.

The 1995 DILHR database of registered USTs did not contain the tank which was present at the site.

Regional Geology

Surficial geology in the Shell Lake area is noted by H.L. Young and S. M. Hindall from the Hydrologic Atlas HA-451 (WGNHS 1973) as being pitted outwash containing stratified sands and gravels. Thickness of these deposits ranges from 100 to 200 feet.

Outwash is underlain by undifferentiated Cambrian sandstone which includes the Jordan Sandstone, St. Lawrence Formation, and Franconia, Galesville, Eau Claire, and Mt. Simon Sandstones (Young and Hindall 1973). Thickness ranges from 0 to 800 feet for the sandstones.

Regional Hydrogeology

The aquifer in the Shell Lake area is the sand and gravel aquifer in undelineated drift containing isolated deposits of buried sand and gravel (Young and Hindall 1973). Well yields in these deposits are small to moderate at 5 to 15 gallons per minute for wells finished in lenses of sand and gravel, which are generally less than 5 feet thick (Young and Hindall 1973).

FIELD OBSERVATIONS

Tank Removal Activities

The removal of the fuel oil UST system was performed by McDonald's Petroleum Service. An MES representative was on site to observe and document the removal activities. In addition, Mr. Buck Lear, an inspector from the Western Wisconsin Inspection, Inc., was present at the time of the tank removal. The excavating services were contracted to Swan Wennerberg Excavating of Shell Lake, Wisconsin by Mr. McDonald. The field activities began on September 12, 1995 with no precipitation reported, and temperatures ranging from 75 to 80 degrees. Upon arrival of MES personnel, McDonald's Petroleum was inerting the tank utilizing carbon dioxide (CO2) from a gas cylinder. McDonald's Petroleum indicated that approximately 200 gallons of product was removed and taken to the Shell Lake Cooperative in Shell Lake, Wisconsin.

Field screening of the soil samples obtained from the sidewalls and bottom of the excavation indicated no PID vapor levels. The field screening was performed with an Hnu Model PI-101, Photoionization Detector (PID) equipped with an 11.7 eV lamp. The PID was calibrated in the field using Hnu Systems gas to a span setting of 5.0 to obtain the target reading of 68 PPM benzene equivalents. The date of the last factory calibration was May 27, 1994. The soils were placed in a clean one-pint jar and covered with aluminum foil and permitted to equilibrate for at least 10 minutes, based upon the ambient outside air temperature. The screening was performed by inserting the probe through the seal into the headspace and noting the maximum instrument reading.

McDonald's Petroleum personnel removed four (4) product lines located on the southeast side of the tank (see Figure 4). The product lines were approximately 10 feet in length and were separated horizonatally by less than 1 foot. The product lines appeared to be in good condition with little surface rusting. No petroleum odors, soil staining or PID detects were observed within the soils below the product lines.

The overburden soils above the UST were removed with a shovel and backhoe exposing the top of the tank. No petroleum odors or soil discolorations were observed around the fill pipe at this time. The backfill surrounding the tank consisted of brown sand and gravel with fines. Caving of the sidewalls was noted at 6 feet below land surface (bls). Once the backfill was removed, the naturally occurring soils were visible along the sidewalls. The soil profile of the sidewalls of the basin consisted of brown sand and gravel with cobbles and little fines to at least the bottom of the excavation. No petroleum odors were noted

during the removal of the tank. The tank was anchored to a concrete pad at a depth of 13.5' bls.

The tank was then removed and visually observed. It appeared to be in good condition with minimal surface rusting. The dimensions of the excavation following the tank removal were approximately 29 feet by 25 feet in plan, with an approximate depth of 13.5 feet below land surface (bls).

No soil discolorations were visible within the bottom of the tank basin and no petroleum odors were noted in samples obtained beneath the tank. Analytical soil samples were obtained beneath the east and west end and the middle of the tank, at a depth of about 16 feet below land surface (see Figure 4). Soil samples were collected at the edge of the concrete pad and 1.5' below the concrete pad. The soil sample collected in the middle of the tank basin was obtained from the north edge of the concrete pad. The middle of the pad was beyond the range of the backhoe and could not be reached.

A total of four (4) analytical laboratory samples and ten (10) PID samples were collected. No vapor levels were detected with the PID and no odors or discoloration were observed in the samples.

Subsequent to removal of the tank and collection of samples, the excavation was backfilled with soil originally removed, and additional imported fill. The tank was then cleaned and cut on site, and prepared for transportation. Transport and disposal of the tank was handled by McDonald's Petroleum Service.

ANALYTICAL TESTING

General

Analytical soil samples were obtained in the naturally occurring sand and gravel below the tank and the product line. Four (4) analytical soil samples were obtained to document the soil conditions upon completion of the tank removal activities. In general accordance with WDNR and DILHR guidelines for tanks containing fuel oil products, the sample was subjected to analysis for the presence of Total Petroleum Hydrocarbon by the Diesel Range Organics (DRO) method.

Each analytical sample collected during the field activities was placed into a laboratory jar prepared by Horizon laboratories, Inc. of St. Paul, Minnesota, and placed on ice. Each

DRO sample was weighed in the field and approximately 25 grams of soil was placed into each jar. Standard Chain of Custody procedures were then initiated.

Laboratory Results

The results of the laboratory analyses indicated there were no DRO concentrations in the samples collected.

CONCLUSIONS AND RECOMMENDATIONS

Currently, the WDNR utilizes a guideline of 10 PPM DRO to determine whether further action is necessary at a site. The results of the analytical testing of soil samples obtained in the tank excavation indicated no DRO concentrations. Additionally, no obvious petroleum related odors or discolorations were observed and no volatile vapor levels were detected with the PID. On this basis and considering the results of the previous exploration performed by Cooper Engineering, no exploration is warranted at the site and the tank and LUST case should be considered for closure by the WDNR.

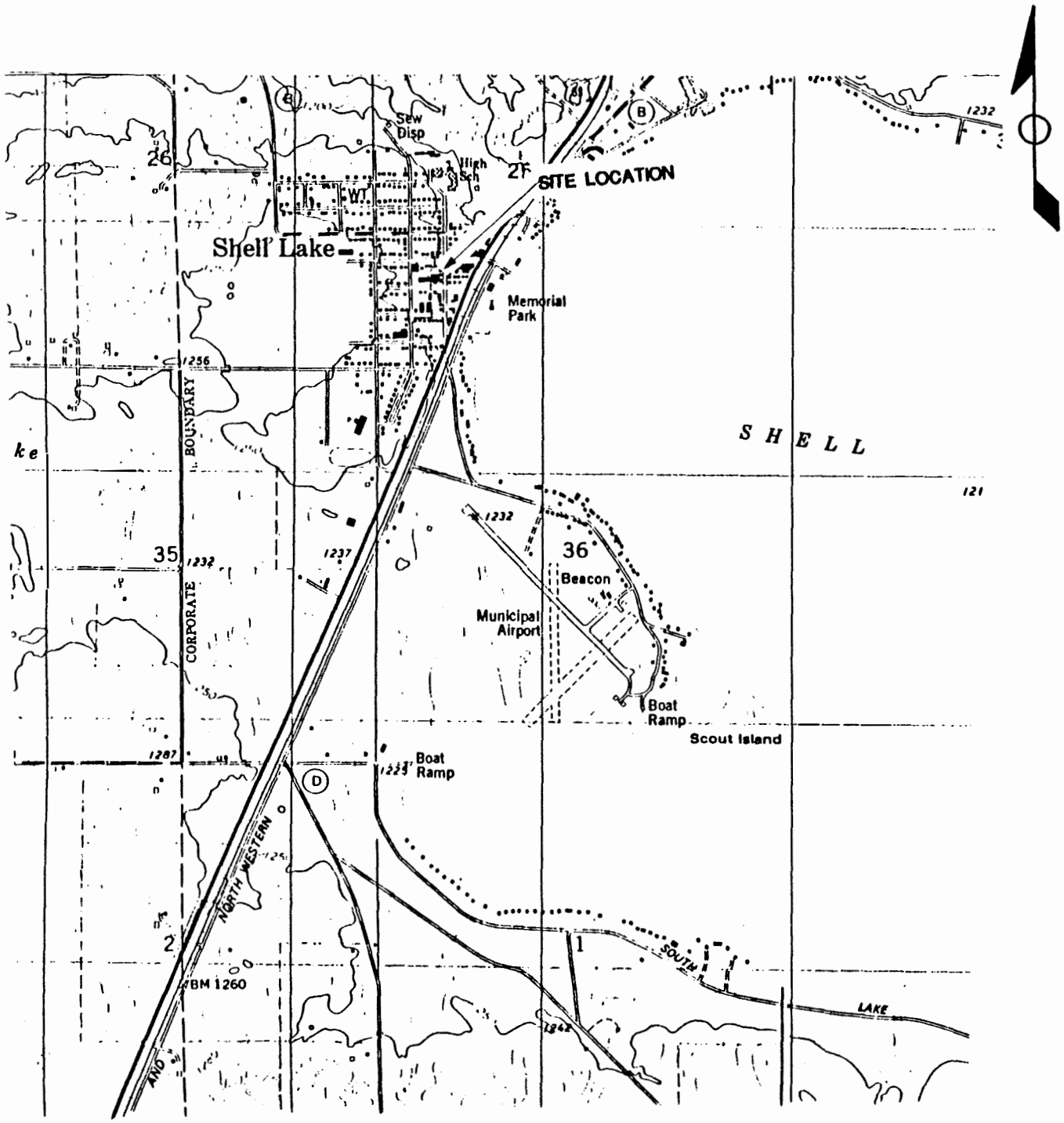
GENERAL COMMENTS

The tank removal work has been conducted in a manner consistent with that level of care ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. The findings, recommendations and opinions contained herein have been promulgated in accordance with generally accepted practice. No other representations, expressed or implied, and no warranty or guarantee is included in this report.

In general, information contained in such assessments may have an effect on the value of the property, and is considered confidential. Copies of this report will be submitted to others only with written authorization from the owner/owner's representative.

APPENDIX

Figures
Site Assessor Qualification
Laboratory Data
Chain of Custody
Tank Closure Checklist
Tank Inventory Forms



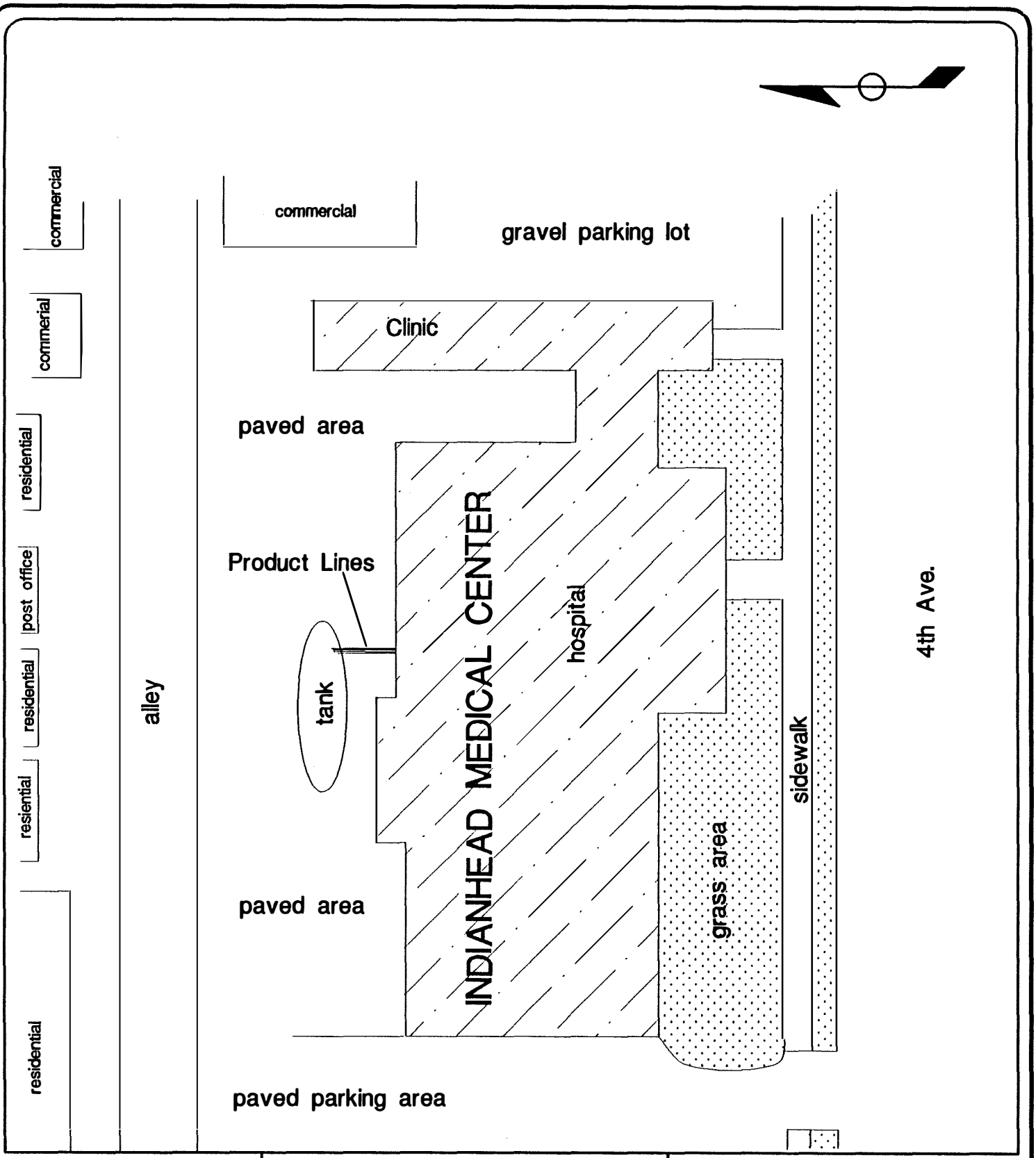
midwest engineering services, inc.

FIGURE 1

SITE LOCATION MAP
Indianhead Medical Center
Shell Lake, Wisconsin

PROJECT NUMBER: 4-51016

DATE: September 1995

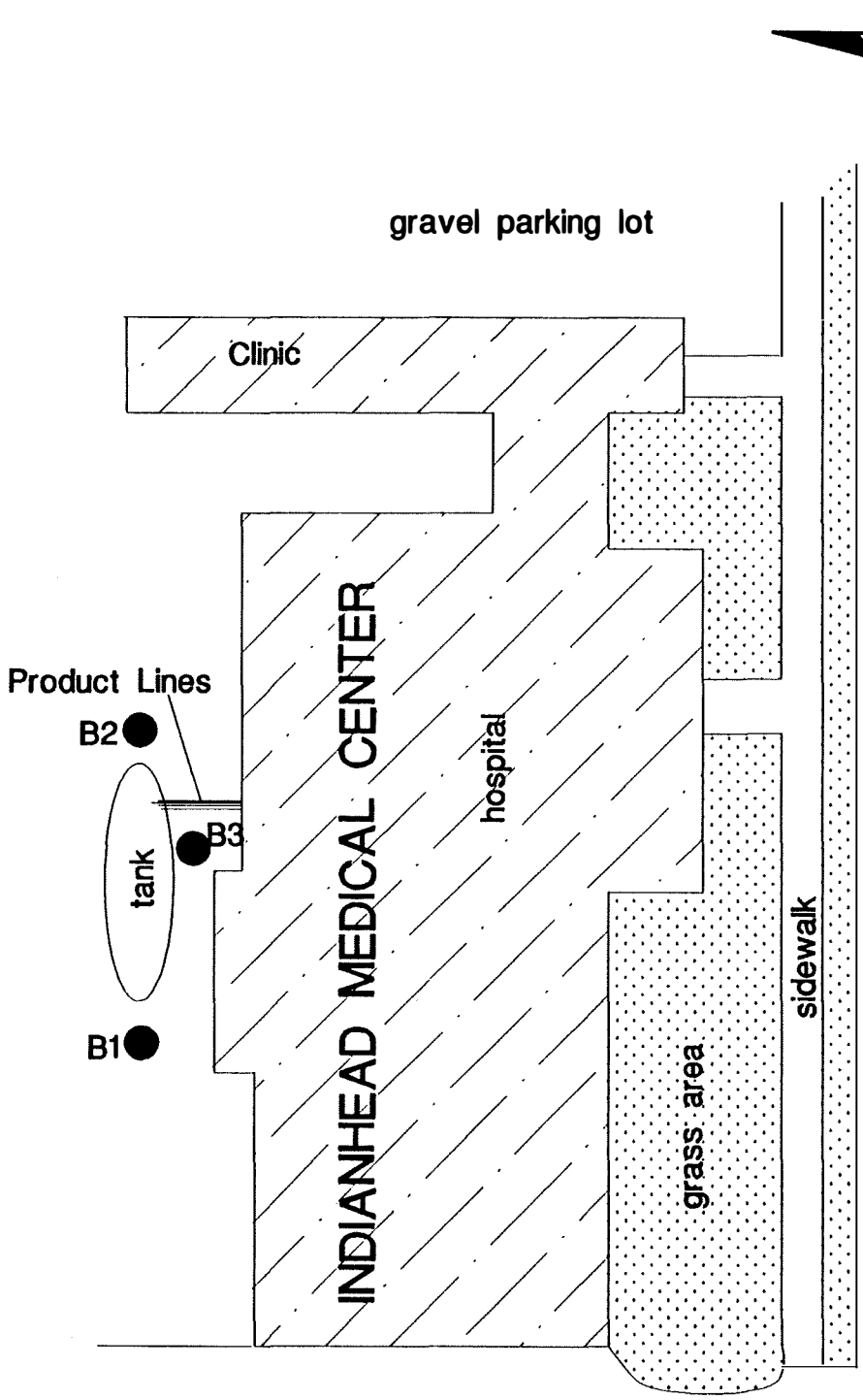


midwest engineering services, inc.

FIGURE 2
GENERAL SITE LAYOUT MAP
Indianhead Medical Center
Shell Lake, Wisconsin

PROJECT NUMBER: 4-51016

DATE: September 1995



B1
● borings installed by Cooper Engineering of Rice Lake, WI in 1993

no scale implied

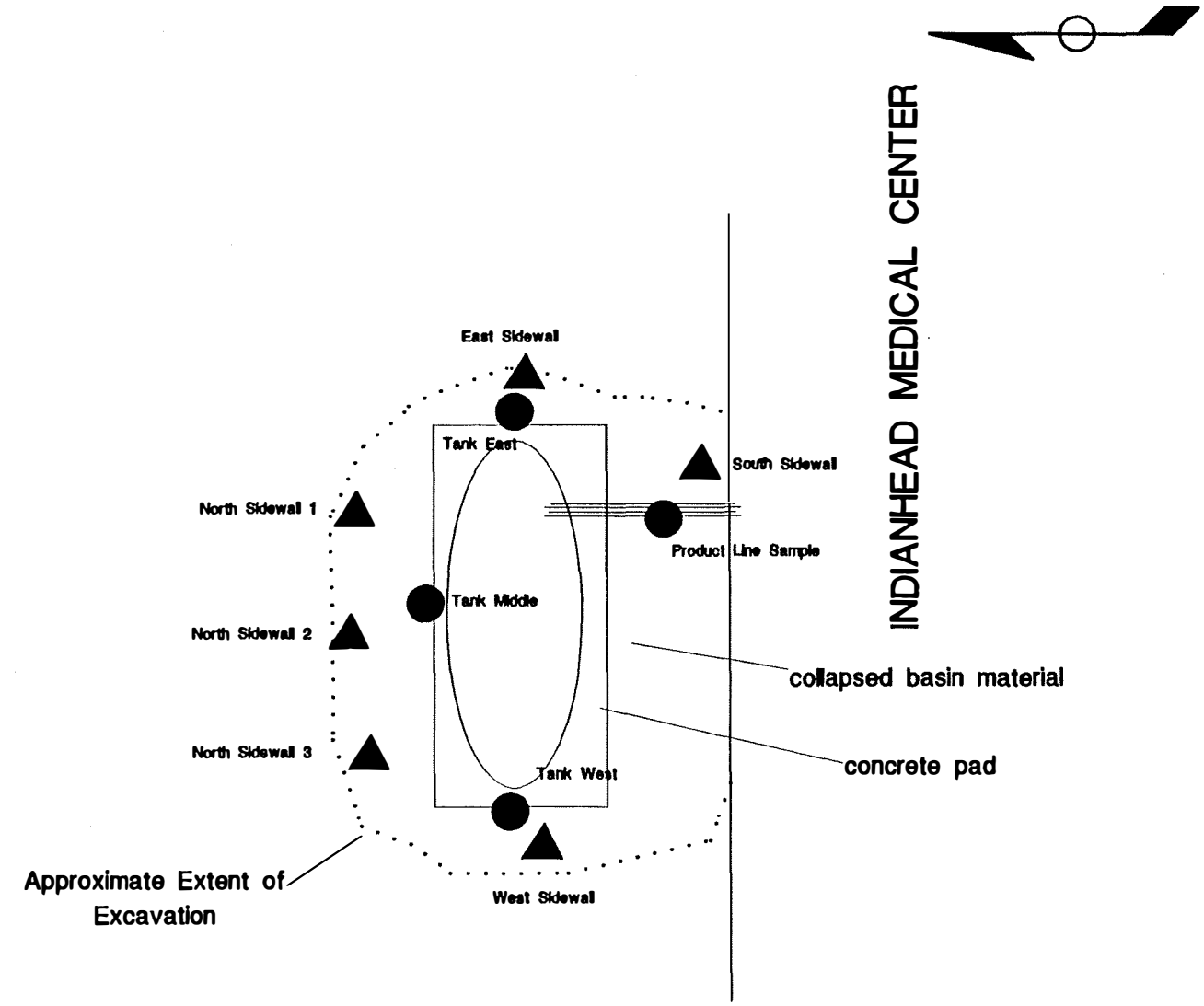
midwest engineering services, inc.

FIGURE 3

BORING LOCATION MAP
Indianhead Medical Center
Shell Lake, Wisconsin

PROJECT NUMBER: 4-51016

DATE: September 1995



LEGEND

● PID and Analytical Samples - Collected at 15' bls
Product Line Sample collected at 7' bls

▲ PID Samples on Sidewalls - Collected at 7' bls

0 10

SCALE IN FEET

midwest engineering services, inc.

FIGURE 4
SOIL SAMPLE LOCATION MAP
Indianhead Medical Center
Shell Lake, Wisconsin

PROJECT NUMBER: 4-51016

DATE: September 1995

CUT ON THIS LINE

The State of Wisconsin

Dept. of Industry, Labor & Human Relations
Safety & Buildings Division

00721

Certification

Expiration Date:	Certification Number:
11-17-97	**05445**

Activity:

Site Assessor-SA

Name:

KIM L RODRIGUEZ

CUT ON THIS LINE

THIS CARD IS REQUIRED TO BE CARRIED WHILE PERFORMING THE ABOVE CERTIFIED ACTIVITIES

REMOVE THIS CARD TO CARRY AS AN IDENTIFICATION

Horizon
Laboratories, Inc.

4463 White Bear Parkway, Suite #105 St. Paul, MN. 55110 Tel. (612) 653-3471 Fax (612) 653-3475

LABORATORY REPORT

Client:	Midwest Engineering Services, Inc. 13 East Spruce Street, Suite #105 Chippewa Falls, WI	Date Sampled: Date Received: Date Analyzed: Physical State:	09/12/95 09/14/95 09/19/95 Soil
Project:	Indianhead Medical Center Shell Lake, WI	Report Date: Lab P.N.: Client P.N.:	09/25/95 1073-8 NA

Quality Assurance / Quality Control Summary

Parameter (Method)	QC Type	Percent Recovery	Acceptable Range	Percent Reproducibility	Acceptable Range
DRO (Wis. DNR)	M	72	122 - 63	94	124 - 68

M = Matrix Spike / Matrix Spike Duplicate

L = Laboratory Control Sample / Laboratory Control Sample Duplicate

Reviewed

Approved

Compounds were identified by column retention time and quantified by peak area of known standards using a Hewlett Packard ChemStation Data System. The samples were received by HORIZON LABORATORIES, INC. and accompanied by the Chain-of-Custody record. The Laboratory Report is the sole property of the client to whom it is addressed. The Laboratory Results are only a part of the Laboratory Report.

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Horizon
Laboratories, Inc.

4463 White Bear Parkway, Suite #105 St. Paul, MN. 55110 Tel. (612) 653-3471 Fax (612) 653-3475

LABORATORY RESULTS

Client:	Midwest Engineering Services, Inc. 13 East Spruce Street, Suite #105 Chippewa Falls, WI	Date Sampled: Date Analyzed: Physical State:	09/12/95 09/19/95 Soil
Project:	Indianhead Medical Center Shell Lake, WI	Report Date: Lab P.N.: Client P.N.:	09/25/95 1073-8 NA

Sample I.D.	DRO mg/kg Wis. DNR	% Moisture
Tank East	<0.90	8.3
Tank Middle	<0.90	15
Tank West	<0.90	11
Product Line	<0.90	14
PQL, mg/kg	0.90	
MDL, mg/kg	0.23	

PQL; Practical Quantitation Limit

MDL; Method Detection Limit

DRO; Diesel Range Organics

All results are in mg/kg which is equal to parts-per-million (ppm) and are based on a "dry weight" basis.

The Laboratory Results are only a part of the Laboratory Report.

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State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151 11-91

1073-8

Note: This form is required by the Department of Natural Resources for leaking underground storage tank sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code.

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Kim L. Rodriguez	Hydrogeologist - Midwest Engineering	715 720-0700
Property Owner	**Property Address**	**Telephone Number (include area code)**
Indian Head Medical Center	Shell Lake, WI	—

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time	Received By (Signature)
[signature]	9-13 / 2:30	
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received for Laboratory By (Signature)
		[signature] 9-14 11:05

Temperature of temperature blank: on ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote 2)	Analysis Type	Lab ID Number	No./Type of Containers	Sample Condition: Cracked /Broken	Sample Condition: Improperly Sealed	Sample Condition: Good Condition	Other Comments
Tank East	9-12	5:14 p	Soil	Grab	none	tank east	DRO						18527
Tank middle	↓	5:20 p	↓	↓	↓	tank middle	DRO						18528
Tank West	↓	5:34 p	↓	↓	↓	tank south	DRO						18529
Product line	↓	11:16 a	↓	↓	↓	product line	DRO						18530

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR UNDERGROUND TANK CLOSURE

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

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

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

1. Site Name: INDIANHEAD MEDICAL CENTER	2. Owner Name: INDIANHEAD MEDICAL CENTER
Site Street Address (not P.O. Box): 215 FOURTH ST	Owner Street Address: POB 300
☒ City ☐ Village ☐ Town of: SHELL LAKE	☒ City ☐ Village ☐ Town of: SHELL LAKE; State: WI; Zip Code: 54871
State: WI; Zip Code: 54871; County: WASHBURN	County: WASHBURN; Telephone No. (include area code): (715) 468-7833
3. Closure Company Name (Print): Mc DONALDS PETROLEUM	Closure Company Street Address: Rt 3, BOX 311
Closure Company Telephone No. (include area code): (715) 723-2059	Closure Company City, State, Zip Code: CHIPPEWA FALLS, WI 54729
4. Name of Company Performing Closure Assessment: MIDWEST ENGINEERING Services	Assessment Company Street Address, City, State, Zip Code: ~~[illegible]~~ 13. E Spruce St Suite 105 Chippewa Falls, WI
Telephone # (include area code): (715) 720-0700	Certified Assessor Name (Print): Kim Rodriguez; Assessor Signature: [signature]; Assessor Certification No. 54729 05445

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1. None	☒	☐	☐	10000	04	☒ Y ☐ N
2.	☐	☐	☐			☐ Y ☐ N
3.	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N
5.	☐	☐	☐			☐ Y ☐ N
6.	☐	☐	☐			☐ Y ☐ N

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

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

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

	Remover Verified	Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐ Y ☐ N	☐	☐
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐ Y ☐ N	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐	☐
5. Vent lines left open.	☐ Y ☐ N	☐	☐
6. Inventory form filed indicating temporary closure.	☐ Y ☐ N	☐	☐
C. CLOSURE BY REMOVAL			
1. Product from piping drained into tank (or other container).	☐ Y ☐ N	☐	☒
2. Piping disconnected from tank and removed.	☒ Y ☐ N	☒	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐ Y ☐ N	☐	☒
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐ Y ☐ N	☐	☒
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.**	☒ Y ☐ N	☒	☐
6. Vent lines left connected until tanks purged.	☐ Y ☐ N	☐	☒
7. Tank openings temporarily plugged so vapors exit through vent.	☐ Y ☐ N	☐	☒
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☒ Y ☐ N	☐	☐
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☐ Y ☐ N	☐	☐
10. Tank cleaned before being removed being removed from site.	☒ Y ☐ N	☒	☐

C. CLOSURE BY REMOVAL (continued)

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

D. CLOSURE IN PLACE

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

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

E. CLOSURE ASSESSMENTS

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

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

Agency, office and person contacted: _____

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

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐ Educator Or Diffused Air Blower

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

☐ Dry Ice

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

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

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

☒ Tank atmosphere monitored for flammable or combustible vapor levels.

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

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

H. REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed
Pat McDonald	Todd Rochester	5707 623	9/12/95

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
Morris K. Lear	Morris K. Lear	53

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
6503	715-833-7671	9/12/95

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Sec. 102.142, Wis. Stats.

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone: (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 with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ YES ☐ NO If yes, are you correcting/updating information only? ☐ Yes ☐ No

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

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

Fire Department Providing Fire Coverage Where Tank Located: 6503

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: INDIANHEAD MEDICAL CENTER
Site Address: 215 FOURTH AVE WEST
Site Telephone No.: (715) 468-7833
☒ City: SHELL LAKE ☐ Village ☐ Town of:
State: WI
Zip Code: 54871
County: WASHBURN

2. Owner Name (mail sent here unless indicated otherwise in #3 below): INDIANHEAD MEDICAL CENTER
Owner Mailing Address (mail sent here unless indicated otherwise in #3): POB 300
☒ City: SHELL LAKE ☐ Village ☐ Town of:
State: WI
Zip Code: 54871
County: WASHBURN

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

4. Tank Age (date installed, if known: or years old):
5. Tank Capacity (gallons): 10000
6. Tank Manufacturer's Name (if known):

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

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

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

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

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

D. PIPING CONSTRUCTION
1. ☒ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

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

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

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

E. TANK CONTENTS
1. ☐ Diesel 2. ☐ Leaded 3. ☐ Unleaded 4. ☒ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown 10. ☐ Premix 11. ☐ Waste Oil 12. ☐ Propane
13. ☐ Chemical * _____ _____ _____ 14. ☐ Kerosene 15. ☐ Aviation

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

If Tank Closed, Give Date (mo/day/yr): September 12, 1995
Has a site assessment been completed? (see reverse side for details) ☒ Yes ☐ No

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

Name of Owner or Operator (please print): Rodney Olson
Indicate Whether: ☐ Owner or ☒ Operator

Signature of Owner or Operator: Rodney Olson
Date Signed: 9/12/95