Moraine Environmental, Inc.
Environmental Management Services

November 21, 1994 Project Reference #0433

Tank Response Unit - SW/3
Wisconsin Department of Natural Resources (WDNR)
P. O. Box 7921
Madison, Wisconsin 53707

Dear Report Reviewer:

Enclosed please find the clean closure report for the gasoline tank removal Everix Bakery, 1540 Wisconsin Avenue, Grafton, Wisconsin.

Should you have any questions or comments regarding this report please feel free to contact me at (414) 242-8998.

Sincerely,

MORAINE ENVIRONMENTAL, INC.

A. Bucher

Amy Bucher
Environmental Scientist

Enc.

cc: Mr. Donald Everix (letter only)

meitech3\0433rpt.ltr

RECEIVED
NOV 23 1994

P.O. Box 488 • Mequon, WI 53092 • (414) 242-8998 • FAX (414) 242-9180

OZAUKEE - SEV

10-7-94

A REPORT OF A 550 GALLON GASOLINE UNDERGROUND STORAGE TANK CLOSURE ASSESSMENT AT *EVERIX BAKERY*

1540 WISCONSIN AVENUE
GRAFTON, WISCONSIN

PREPARED FOR:

MR. DON EVERIX
EVERIX BAKERY
1540 WISCONSIN AVENUE
GRAFTON, WISCONSIN 53024

PREPARED BY:
MORAINE ENVIRONMENTAL, INC
P.O. BOX 488
MEQUON, WISCONSIN 53092
(414) 242-8998

PROJECT REFERENCE #0433

NOVEMBER 9, 1994

Amy Bucher
Environmental Scientist

Thomas C. Sweet
President

EXECUTIVE SUMMARY

Mr. Don Everix retained Moraine Environmental, Inc. to perform an Underground Storage Tank (UST) Closure Assessment following the removal of one (1) 550 gallon gasoline UST at 1540 Wisconsin Avenue, Grafton, Wisconsin.

The closure included: removal of one (1) 550 gallon gasoline Underground Storage Tank (UST), piping and associated overburden; collection of soil samples; observation and documentation of field activities; and documentation of the transportation and disposal of the tank system and contents. The overall purpose of the closure assessment was to comply with Wisconsin Department of Natural Resources (WDNR) guidelines established in July, 1993.

Native soil consisted of well sorted medium sand to eight feet below ground surface (bgs) with cobbles at eight feet bgs. Ground water was not encountered within the excavation.

Following the removal of the tank, two (2) soil samples were collected at the base of the tank excavation. The two (2) soil samples were submitted to En Chem, Inc. for Gasoline Range Organics (GRO) analysis. Petroleum impacts to soil in levels above the Wisconsin Department of Natural Resources (WDNR) 10 parts per million (ppm) action level were not present in the two (2) samples collected at the base of the excavation.

Based on field observations and the results of independent laboratory analysis, native soils at the subject site have not been impacted by a petroleum release from the 550 gallon gasoline tank. Therefore, on behalf of the Mr. Don Everix, clean site closure is requested from the Wisconsin Department of Natural Resources.

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B. Tank Inventory Form (SBD 7437)

C. Soil Sampling Protocol

D. Laboratory Results

1.0 INTRODUCTION

Mr. Don Everix retained Moraine Environmental, Inc. (MEI) to conduct an Underground Storage Tank Closure Assessment at Everix Bakery located at 1540 Wisconsin Avenue, Grafton, Wisconsin. The purpose of this report is to identify the personnel involved with the project and to detail the appropriate site information, field observations, procedures, and laboratory analysis required by the Wisconsin Department of Natural Resources (WDNR). The report also presents recommendations to the WDNR for clean closure of the site.

2.0 PURPOSE AND SCOPE OF WORK

2.1 General Purpose of Work

The purpose of the UST removal and closure assessment was to remove the source for potential petroleum hydrocarbon impacts to soil and ground water at the site and to assess soil quality within the UST excavation to determine if petroleum impacts had been caused by a release from the UST system. Prior to commencing field activities, the Grafton Fire Department, representing the Department of Industry, Labor and Human Relations (DILHR) was notified of the scheduled UST system removal and a permit for removal were obtained by the contractor.

2.2 Scope of Work

The following tasks were performed pertinent to the excavation and removal of one (1) 550 gallon gasoline UST.

- The 550 gallon gasoline UST was cleaned, removed, dismantled, and properly disposed.

- The excavation geology, tank system integrity, and location of underground utilities which could serve as potential contaminant migration pathways were noted in the field and recorded.

- The excavation was inspected for indications of soil staining, odors or other evidence of petroleum hydrocarbon impacts.

- Soil samples were collected and sent to En Chem, Inc. laboratory for Gasoline Range Organics (GRO) analysis.

- Transportation and disposal of the UST system components, associated surplus product and tank sludge was documented.

- Preparation of this report, which is a documentation of field observations, procedures, analytical results and recommendations for the site was prepared.

2.3 Contractor/Personnel Performing Work

The following personnel were involved in the UST closure assessment. Addresses, phone numbers and certification numbers are included as Appendix A.

Environmental Consulting Firm:
Moraine Environmental, Inc.

Laboratory Services:
En Chem, Inc.

Excavation Contractor:
Heritage Excavating

Tank Cleaning Contractor:
Heritage Excavating

Tank Disposal Company:
Heritage Excavating/Kirchhayn Auto Salvage

Tank Contents Disposal Contractor:
Waste Research and Reclamation Company

3.0 SITE DESCRIPTION AND BACKGROUND

3.1 Site Description

The site is located in the SW ¼ of the NE ¼ of Section 24, Township 10 North, Range 21 East, City of Grafton, Ozaukee County, Wisconsin. Specifically, the site is located at 1540 Wisconsin Avenue, Grafton, Wisconsin. The regional location of the site and specific physical site characteristics are presented on Figures 1 and 2. The tank was located along the south wall of the bakery. The tank was buried beneath a concrete surface with surficial drainage toward the west (Wisconsin Avenue).

3.2 Site Background

The 550 gallon UST was installed approximately 20 years ago and was used for the purpose of fueling bakery vehicles.

4.0 FIELD OBSERVATIONS

4.1 Physical Site Characteristics

The locations of underground utilities, specific site descriptions, a UST description, and groundwater usage are presented in Tables 1 and 2.

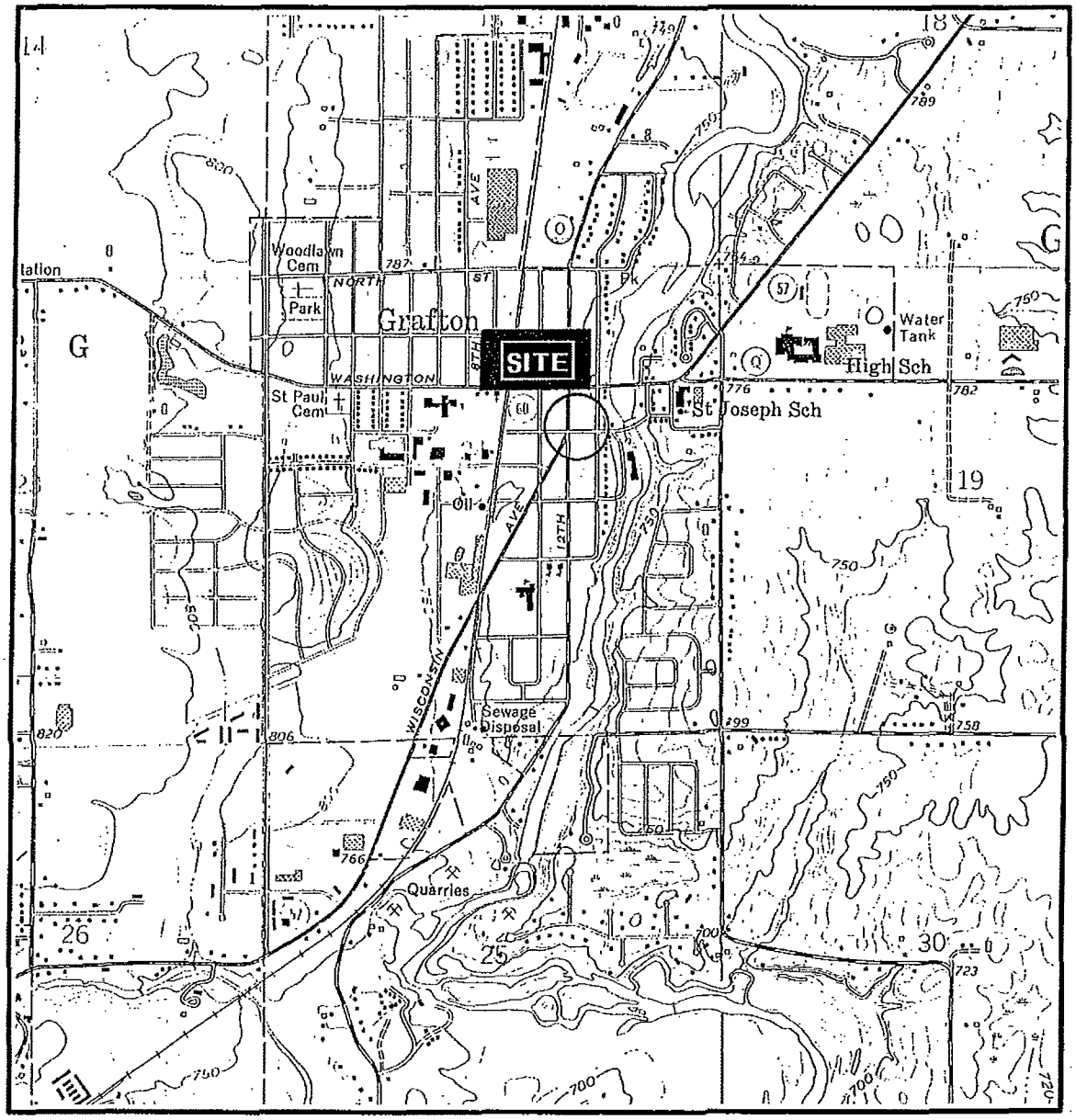
4.2 General Conditions and Observations

Weather conditions, site conditions, UST system and excavation dimensions, potential impact migration pathways, soil and backfill classifications and the presence of any groundwater, excavation water or perched water are addressed in Table 2.

5.0 UST REMOVAL CHARACTERISTICS AND CONDITIONS

5.1 Specific Activities and UST Information

Specific activities and information regarding the actual UST removal process, including surplus product management, UST removal, cleaning and disposal, sludge management and UST component inspection are also presented in Table 3. A copy of the Wisconsin Department of Industry, Labor and Human Relations (DILHR) Tank Inventory Form is included as Appendix B.



1 1/2 0 1 MILE

ADAPTED FROM USGS 7.5 CEDARBURG QUADRANGLE

MORAINE ENVIRONMENTAL, INC.	
FIGURE 1	SITE LOCATION MAP

EVERIX BAKERY SITE
1540 WISCONSIN AVENUE
GRAFTON, WISCONSIN

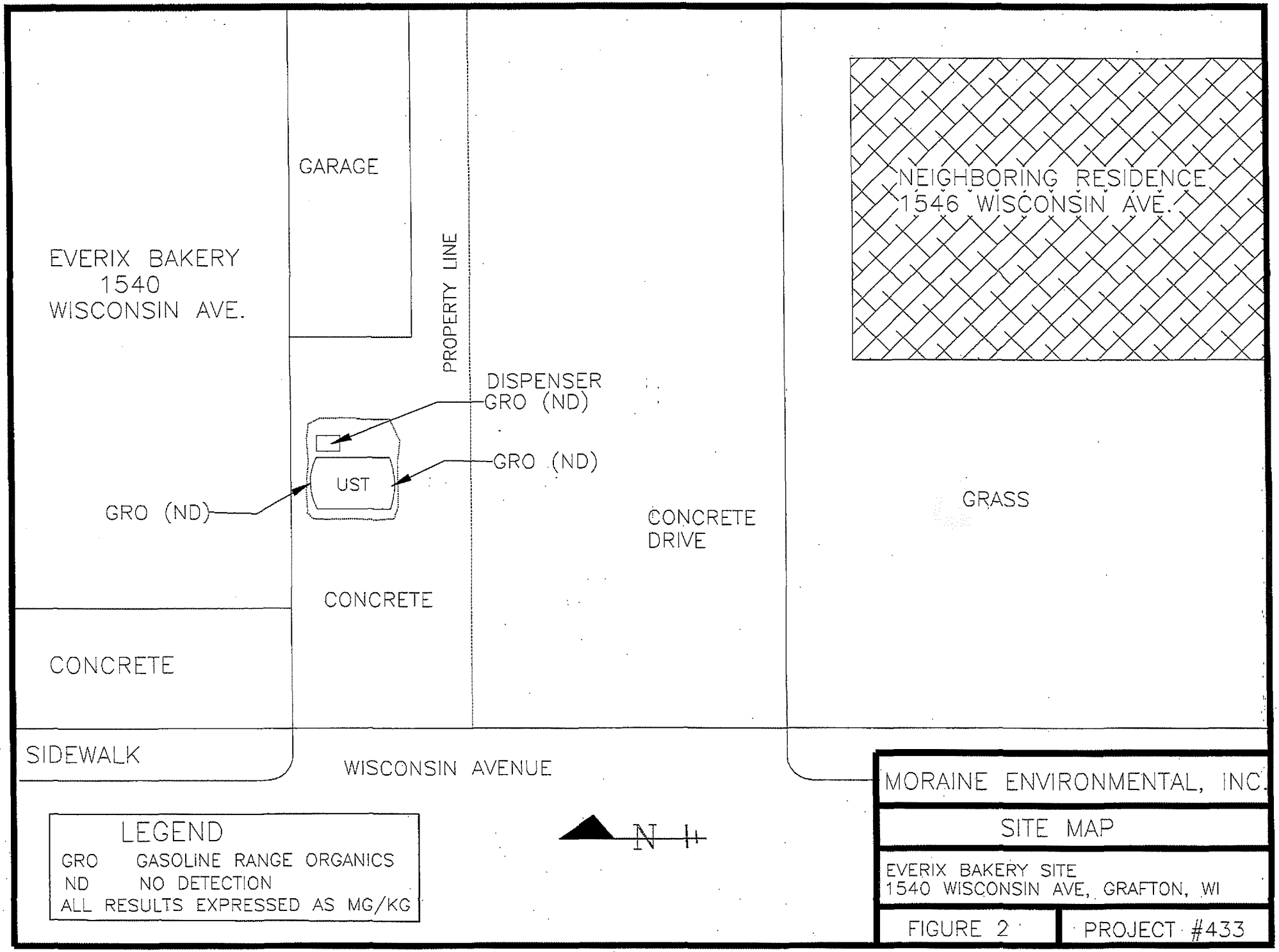

GARAGE
EVERIX BAKERY
1540
WISCONSIN AVE.
PROPERTY LINE
NEIGHBORING RESIDENCE
1546 WISCONSIN AVE.
DISPENSER
GRO (ND)
GRO (ND)
UST
GRO (ND)
CONCRETE
DRIVE
GRASS
CONCRETE
CONCRETE
SIDEWALK
WISCONSIN AVENUE
N
LEGEND
GRO GASOLINE RANGE ORGANICS
ND NO DETECTION
ALL RESULTS EXPRESSED AS MG/KG
MORAINE ENVIRONMENTAL, INC.
SITE MAP
EVERIX BAKERY SITE
1540 WISCONSIN AVE, GRAFTON, WI
FIGURE 2
PROJECT #433

TABLE 1
SITE DESCRIPTION AND UST CHARACTERISTICS
EVERIX BAKERY SITE

Purpose:	**Removal of one (1) 550 gallon gasoline UST.**				
Site Address:	**1540 Wisconsin Avenue, Grafton, Wisconsin.**				
Site Description, Site Operations, Topography & Drainage:	**Commercial site containing a bakery, surficial drainage towards the west.**				
Historical Use: Previous Assessments/Investigations: Tank Tightness Testing:	**UST contents used to fuel vehicles.** **NO** **NO**				
Utilities/Locations:	Electric	Gas	Water	Telephone	Sewer
	overhead	underground	municipal	overhead	municipal
UST Specifics:	# of Tanks	Size	Contents	Tank Age	
	1	**550**	**gasoline**	**20 years**	
Private Wells on Site: Depth to Groundwater: Potable Water Supply:	**None observed** **Unknown** **Municipal**				
General Comments: No soil staining or odors noted to exist in on-site soils.					

TABLE 2
UST REMOVAL CHARACTERISTICS AND FIELD OBSERVATIONS
EVERIX BAKERY SITE

Work Day Weather Conditions:	October 7, 1994, 65°, rainy and humid.
Site Conditions:	UST buried beneath concrete surface.
Surplus Product Disposal:	5-55 gallon drums of surplus gasoline and sludge containerized on site.

UST Removal, Cleaning, Disposal:	Surrounding Backfill Material	Tank Orientation	Tank Condition	Piping Condition	Piping Distance From Tank to Island	Tank Cleaning Performed By	Tank Transportation and Disposal	General Comments
-Tank 1 - 550 Gallon Gasoline	native soil	north/south	excellent	excellent	2'	Heritage Excavating	Kirchhayn Auto Salvage	
Rinsate/Sludge Management	Surplus gasoline and sludge disposal to be handled by Waste Research and Reclamation Co. following receipt of EPA I. D. number.							

Migration Pathways:	Native soil.
USCS Soil Classification:	SW
Replacement Backfill:	Sand
Subsurface Water Conditions:	No ground water encountered during tank removal activities.
General Comments:	

6.0 SOIL SAMPLING AND FIELD SCREENING PROTOCOL

6.1 Sampling Equipment, Decontamination and Field Screening

Soil sampling and field screening protocol is presented as Appendix C.

6.2 Soil Sample Locations and Sample Handling Techniques

Specific to the Everix Bakery site, two (2) soil samples were collected in native soil approximately two (2) feet beneath each end of the UST and one (1) soil sample from beneath the dispenser were analyzed for Gasoline Range Organics (GRO). Soil sample locations are presented in Figure 2.

7.0 LABORATORY ANALYSIS/WISCONSIN REGULATIONS

7.1 Soil Sample Analysis and Results.

The soil samples and Chain-of-Custody form, were submitted to En Chem, Inc. for analysis of GRO in accordance with WDNR guidelines. Laboratory results are summarized in Table 3 and Figure 2.

TABLE 3
LABORATORY AND FIELD SCREENING RESULTS
EVERIX BAKERY SITE

Sample Location	Sample Depth (feet)	Date Collected	Sample Odor	OVM Field Value (ppm)	Lab Results mg/kg	Analysis Perform
North Base	7.0	10/7/94	none	ND	ND	GRO
South Base	7.0	10/7/94	none	ND	ND	GRO
Dispenser	3.0	10/7/94	none	ND	ND	GRO

Key:
mg/kg - milligrams/kilogram
GRO - Gasoline Range Organics
ND - No Detection

As referenced in Table 3, GRO is not present in levels above the detection limit in soil from the base of the excavation, nor from beneath the dispenser. Laboratory reports are included as Appendix D.

7.2 Wisconsin Soil Quality Regulations

The WDNR reviews each case individually to determine if additional investigation or some type of remediation is necessary. Currently, the WDNR is enforcing a 10 ppm action level for petroleum hydrocarbons in soil.

8.0 PROJECT SUMMARY

The following project summary is based on observations and data collected during the underground storage tank (UST) closure assessment performed on October 7, 1994 at the Everix Bakery site in Grafton, Wisconsin. The purpose of the closure assessment was to determine if a release from the a 550 gallon UST system had adversely affected adjacent native soil.

The closure included the removal of one (1) 550 gallon gasoline UST, piping and associated overburden by Heritage Excavating. The tank, estimated to be approximately 20 years old, was used to store gasoline to fuel the bakery vehicles. The assessment also included collecting various soil samples, observing and documenting field activities, and documenting the transportation and disposal of the UST system and contents.

Soil samples were collected from beneath the UST and dispenser and were submitted for laboratory analysis of Gasoline Range Organics (GRO). Based on laboratory results, GRO concentrations were below the WDNR 10 ppm action level in samples collected from the base of the tank excavation.

9.0 RECOMMENDATIONS

Based on PID field screening and laboratory analytical results significant petroleum impacts to soil resulting from a release from the 550 gallon gasoline tank have not occurred. Because GRO concentrations were below the WDNR 10 ppm action level in soil samples collected from the base of the excavation, clean closure for the Everix Bakery site is requested for the Wisconsin Department of Natural Resources.

10.0 LIMITS OF INVESTIGATION

Our assessment was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by Professional Consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusion and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the work of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control.

The interpretations and conclusions contained in this report are based upon the result of independent laboratory tests and analysis intended to detect the presence and/or concentrations of certain chemical constituents in samples taken from the subject property. Moraine Environmental, Inc. has no control over such testing and analysis and therefore, disclaims any responsibility for any errors and omissions arising therefrom.

Subsurface sampling was performed and presented in this report. However, subsurface exploration cannot reveal totally what is below the surface. Depending upon the sampling method and frequency, every soil condition may not be observed, and some materials or layers which are present in the subsurface may not be noted.

This report is issued with the understanding that it is the responsibility of the owner(s) to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agency(ies).

APPENDIX A
SITE UST PERSONNEL

SITE UST PERSONNEL

ENVIRONMENTAL CONSULTING FIRM

Moraine Environmental, Inc.
P.O. Box 488
Mequon, Wisconsin 53092
MEI DILHR Certification #: 01354
Project Manager: Amy Bucher
P.M. DILHR Certification #: 00562
Phone: (414) 242-8998

LABORATORY SERVICES

En Chem Laboratories
1795 Industrial Drive
Green Bay, Wisconsin 54302
WDNR Certification #405132750
Contact: Mr. David Turriff
Phone: 1-800-736-2436

EXCAVATING CONTRACTOR

Heritage Excavating
N77 W7455 Chestnut Street
Cedarburg, Wisconsin 53012
DILHR Certification # 05180
Phone: (414) 377-3144

TANK CLEANING CONTRACTOR

Heritage Excavating
N77 W7455 Chestnut Street
Cedarburg, Wisconsin 53012
DILHR Certification # 05180
Phone: (414) 377-3114

TANK DISPOSAL FACILITY

Kirchhayn Auto Salvage, Inc.
1199 Western Avenue
Cedarburg, Wisconsin 53012
Phone: (414) 377-5139

TANK CONTENTS DISPOSAL CONTRACTOR

Waste Research and Reclamation Co. Inc.
5200 State Road 93
Eau Claire, Wisconsin 54701

APPENDIX B
TANK INVENTORY FORM (SBD 7437)

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Sec. 101.142, Wis. Stats.

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

For Office Use Only:
Tank ID #

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

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

Fire Department Providing Fire Coverage Where Tank Located: Grafton

A. IDENTIFICATION: (Please Print)

1. Tank Site Name	Site Address	Site Telephone No.
EVERIX Bakery	1540 WISCONSIN AVE	(414) 377-4720

☐ City ☒ Village ☐ Town of:	State	Zip Code	County
Grafton	WI	53024	

2. Owner Name (mail sent here unless indicated otherwise in #3 below)	Owner Mailing Address (mail sent here unless indicated otherwise in #3)
Don EVERIX	1546 WISCONSIN AVE

☐ City ☒ Village ☐ Town of:	State	Zip Code	County
Grafton	WI	53024	OZAUKEE

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

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

4. Tank Age (date installed, if known: or years old)	5. Tank Capacity (gallons)	6. Tank Manufacturer's Name (if known)
20 Years	550	UNKNOWN

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

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

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

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

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

If Tank Closed, Give Date (mo/day/yr):	Has a site assessment been completed? (see reverse side for details)
10-7-94	☒ Yes ☐ No

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

Name of Owner or Operator (please print):	Indicate Whether:
DONALD J. EVERIX	☒ Owner or ☐ Operator

Signature of Owner or Operator:	Date Signed:
Donald J. Everix	10/7/94

SBD-7437 (R. 04/92) IMPORTANT: Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations

APPENDIX C
SOIL SAMPLING PROTOCOL

SOIL SAMPLING PROTOCOL

Sampling Equipment and Decontamination

The soil samples collected from the excavation base were collected with the hand trowels from the backhoe bucket for safety considerations, since the excavation was deeper than 6 feet below ground surface. Prior to use, the trowels were washed in a solution of trisodium phosphate, tap water rinsed, isopropyl alcohol wash, tap water rinse and sealed in aluminum foil.

Soil Sample Locations and Sample Handling Techniques

The WDNR "Site Assessments for Underground Storage Tanks Technical Guidance" (PUBL-SW-175-93) specifies that soil samples must be collected from the following areas when conducting an Underground Storage Tank Closure Assessment.

- In native soil, two samples, one to three feet below each end of each tank greater than or equal to five feet long. An additional sample must be collected in native soil, one to three feet beneath the middle of tanks over eighteen feet long.
- In native soil, one sample only, one to three feet beneath the middle of each tank less than five feet long.
- In native soil, one sample, one to three feet below each dispenser on the supply side.
- In native soil, one sample, one to three feet below every twenty feet of piping, preferable at elbows or swing joints. If part of the piping runs above the tank(s) do not collect separate piping samples under those sections.
- In native soil, one sample, five feet below remote fill pipe openings.

Two (2) samples (one sample for analysis and one sample for field screening) were collected and immediately containerized from each UST sampling location. Each GRO sample was weighed to approximately 25 grams, containerized in a 60 ml glass jar, preserved with methanol (within 2 hours of collection) and sealed with a screw-on cap containing a teflon septum. Each sample was properly labeled and placed in a cooler packed with ice for transport to a certified WDNR laboratory for analysis. The field screening samples were containerized in a clean, four ounce glass jar sealed with a

screw-on cap. The sample jar was filled approximately ½ to ¾ full to allow for headspace screening.

Field Screening

A Thermo-Environmental Model 680 HVM Flame Ionization Detector (FID), was used to screen each soil sample for the presence of Volatile Organic Compounds by means of headspace analysis. The FID, calibrated in the field for direct response to 500 parts per million methane standard. Headspace samples were allowed to equilibrate prior to analysis. Minimum equilibration times conformed to the specifications as follows:

Ambient Outside Air Temperature at Time of Sample Collection	Minimum Time Sample Equilibrated at 70° F or Greater Temperature
<40° F	40 Minutes
41 - 55° F	20 Minutes
56 - 69° F	10 Minutes
>70° F	5 Minutes

Headspace samples were equilibrated out of direct sunlight and warmed by placing in a building or heated vehicle if ambient temperatures were below 55° F. Following equilibration, "dynamic" headspace analysis was conducted. This method involved agitating the sample container for 30 seconds to facilitate volatilization of any organic compounds into the headspace. The tip of the FID probe was inserted half-way between the cap and the sample surface. The highest instrument response observed within the first 5 to 10 seconds was recorded as Total Organic Volatiles (TOV) as "instrument units".

APPENDIX E
LABORATORY RESULTS

MEI #433

State of Wisconsin
partment of Natural Resources

EN CHEM INC.

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Based on Form 4400-151 Rev. 4-93

VHTS

te: Use of this form is voluntary but is requested by the Department pursuant to ch. NR 149, NR 500-540, 158 and NR 419, Wis.Adm.Code. Personally identifiable information will be used for no other purpose.

mple Collector(s) STEVEN BENTON	Title/Work Station/Company MORAINE ENV, INC.	Telephone Number (include area code) (414) 242-8998
operty Owner DON EVERIX	Property Address 1540 Wisc. Ave, Grafton	Telephone Number (include area code)

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

linquished By (Signature) Steven Benton	Date/Time 10/10/94 10:15 AM	Received By (Signature) Bernie Kempen 10/10/94
linquished By (Signature)	Date/Time	Received By (Signature)
linquished By (Signature) Bernie Kempen	Date/Time 10/10/94 2:40 PM	Received for EN CHEM by (Signature) Gloria Dollaton

LABORATORY USE ONLY

Temperature of temperature blank Rod

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	Field Screening	Location/Description (see footnote 2)	Analysis Type	Lab ID Number	Sample Condition: no/type of Containers	Cracked /broken	Improp. Sealed	Good Cond.	Other Comments
	10-7-94	11:00	Soil		MeOH	—	North Base / 7'	1	125040	1-50Z 1-00Z			+	
	10-7-94	11:30	Soil		MeOH	—	South Base / 7'	1	125041	↓			↓	
	10-7-94	12:00	Soil		MeOH	—	Dispenser / 3'	1	125042	↓			↓	

FOOTNOTES
1. specify groundwater, surface water, soil, leachate, sludge, etc.
2. sample description must clearly correlate the sample ID to the sampling location.

Prj 9410125

ANALYSIS CODES

1. GRO	5. DRO	9. Free Liquids	13. BETX
2. PVOC	6. PAH	10. pH	14. Protocol D1-GRO
3. Lead	7. Flashpoint	11. TCLP-Benzene	15. Protocol D1-DRO
4. 8021	8. Percent Solids	12. TCLP-Lead	16. 8260

BILLING ADDRESS: MEI

DEPARTMENT USE ONLY

Split samples: Offered? __ yes __ no (Check one)
Accepted? __ yes __ no (Check one)

Accepted By:

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

Lab Certification No. 405132750
Location : DON EVERIX MEI#433
En Chem Proj# : 9410125
Date Reported : 10/17/1994

Report to: MORAINE ENVIRONMENTAL

Thank you for using En Chem! Samples were analyzed according to strict EPA or Wisconsin DNR methodology. Any comments or problems associated with the receipt of or analysis are reported below:

Sample nos. 125040-125042: The GRO soil spike failed, low recovery. The blank spike and blank spike duplicate were in control, this indicates that there wasn't a problem with the extraction or analysis. The low soil spike recovery was probably caused by the spiking and preserving process.

I'm not sure about this. The whole purpose of a soil spike is to test the purge & trap device. If the duplicate GRO component spike was ok then the P&T device passed.

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1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : DON EVERIX MEI#433
Your Sample ID:
Sample Desc. : NORTH BASE/7'
Sample Matrix : SOIL Date Collected: 10/07/1994
En Chem Proj# : 9410125 Date Received : 10/10/1994
En Chem Lab # : 125040 Date Reported : 10/17/1994

Report to: MORAINE ENVIRONMENTAL
P.O. BOX 488
108 NORTH MAIN STREET
THIENSVILLE, WI 53092

Bill to: MORAINE ENVIRONMENTAL

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.6		10/13/1994	WDNR MOD GRO	10/14/1994	PMS
	Blank spike	88	% recov						
	Blank spike duplicate	86	% recov						
	Soil spike	46	% recov						

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

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Lab Certification No. 405132750
Location : DON EVERIX MEI#433
Your Sample ID:
Sample Desc. : SOUTH BASE/7'
Sample Matrix : SOIL Date Collected: 10/07/1994
En Chem Proj# : 9410125 Date Received : 10/10/1994
En Chem Lab # : 125041 Date Reported : 10/17/1994

Report to: MORAINE ENVIRONMENTAL
P.O. BOX 488
108 NORTH MAIN STREET
THIENSVILLE, WI 53092

Bill to: MORAINE ENVIRONMENTAL

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.7		10/13/1994	WDNR MOD GRO	10/14/1994	PMS
	Blank spike	88	% recov						
	Blank spike duplicate	86	% recov						
	Soil spike	46	% recov						

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

Peter Melby

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Green Bay, WI 54302
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800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : DON EVERIX MEI#433
Your Sample ID:
Sample Desc. : DISPENSER/3'
Sample Matrix : SOIL Date Collected: 10/07/1994
En Chem Proj# : 9410125 Date Received : 10/10/1994
En Chem Lab # : 125042 Date Reported : 10/17/1994

Report to: MORAINE ENVIRONMENTAL
P.O. BOX 488
108 NORTH MAIN STREET
THIENSVILLE, WI 53092

Bill to: MORAINE ENVIRONMENTAL

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO-S	Gasoline Range Organics(GRO)-Soil	ND	mg/kg	2.7		10/13/1994	WDNR MOD GRO	10/15/1994	PMS
	Blank spike	88	% recov						
	Blank spike duplicate	86	% recov						
	Soil spike	46	% recov						

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

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