09-34-293620

Summit Envirosolutions

December 3, 1993

RECEIVED
JAN 6 1994
EMERG & REMEDIAL RESPONSE SECTION
BUR OF SOLID & HAZRD WASTE

Ms. Deb Pingel
Wisconsin Department of Natural Resources
North Central District
P.O. Box 818
Rhinelander, Wisconsin 54501

Subject: UST Closure Assessment Report
Farm Bureau Cooperative
1922 Edison Street
Antigo, Wisconsin 54409-2440
Summit Project No. 931171

Dear Ms. Pingel:

Summit Envirosolutions, Inc. (Summit) was retained by Mid-Lakes Farm Service Cooperative to conduct a site assessment for underground storage tank (UST) closure at the Farm Bureau Cooperative in Antigo, Wisconsin. One 10,000 gallon diesel UST was removed on October 15, 1993. The results of our site assessment are included in the attached report.

Field screening and laboratory analysis of soil samples collected from the excavation indicate that soils at the site have not been impacted by petroleum hydrocarbons. Based on the results of our assessment, it is our opinion that further assessment or remediation is not necessary and the site be reviewed for closure status.

Please call if you have questions regarding the content of this report.

Sincerely,

**Summit Envirosolutions, Inc.**

Veronica Streich

Veronica L. Streich
Assistant Project Manager

DEC 07 1993
Nausau DNR Offic
Nausau, Wiscons

cc: Kevin Little / Mid-Lakes Farm Service
DILHR - Safety and Buildings

/vls

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Summit Envirosolutions

# SITE ASSESSMENT
# UNDERGROUND STORAGE TANK REMOVAL

**FARM BUREAU COOPERATIVE**
**1922 EDISON STREET**
**ANTIGO, WISCONSIN 54409-2440**

**SUMMIT PROJECT NO. 931171**

1/7/93

# SITE ASSESSMENT
# UNDERGROUND STORAGE TANK REMOVAL

Farm Bureau Cooperative

1922 Edison Street
Antigo, Wisconsin 54409-2440

Summit Project No. 931171

Prepared By:

Summit Envirosolutions, Inc.
450 North Sunnyslope Road, Suite 215, Milwaukee, Wisconsin, 53005
(414) 796-4400

November 30, 1993

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# SITE ASSESSMENT
# UNDERGROUND STORAGE TANK REMOVAL

## FARM BUREAU COOPERATIVE

## 1922 EDISON STREET
## ANTIGO, WISCONSIN 54409-2440

## SUMMIT PROJECT NO. 931171

## 1.0 EXECUTIVE SUMMARY

Summit Envirosolutions, Inc. has completed a site assessment for underground storage tank closure at the subject property. Field screening and laboratory analysis of soil samples recovered from the excavation indicated diesel range organic compounds below method detection limits. Significant impacts to groundwater resources or other potential receptors were not identified. Based upon the results of the assessment performed at the site, it is our opinion that further assessment or remediation is not necessary and the site be reviewed for closure status.

## 2.0 INTRODUCTION

### 2.1 Purpose and Scope

The purpose of this site assessment was to observe the removal of one underground storage tank (UST) and to assess the extent of potential hydrocarbon impacts to soil and groundwater. Summit Envirosolutions, Inc. (Summit) was authorized to conduct this assessment by Mr. Kevin Little of Mid-Lakes Farm Service Cooperative in Kaukauna, Wisconsin. Summit field activities were performed in accordance with the State of Wisconsin Department of Natural Resources (WDNR) and Department of Industry, Labor, and Human Relations (DILHR) underground storage tank guidelines.

The scope of services for this project consisted of the following:

- Prepared a Site Health and Safety Plan;
- Observed the excavation and removal of one 10,000 gallon UST;
- Screened selected soil samples for the presence of volatile organic vapors with a photoionization detector (PID);
- Collected soil samples for laboratory analysis;

- Documented the disposal of the UST and tank sludge; and
- Prepared this report presenting our results, conclusions and recommendations.

## 2.2 Preliminary Background Information

In April 1979, one 10,000 gallon UST was installed at the site. The UST contained diesel fuel and was used for vehicle fueling. The dispenser was located directly above the east end of the UST. The UST was periodically stick-measured and product loss was not indicated. No additional USTs are known to exist on the property.

Summit was retained to observe the removal of the UST and to assess potential environmental impacts. Summit's scope of work performed on this project was based upon the background information provided by Mr. Kevin Little.

## 2.3 Site Description

The site is located at 1922 Edison Street, within the town of Antigo, Wisconsin. The property is described as part of the NW 1/4 of the NW 1/4 of Section 20, Township 20 North, Range 11 East, in Langlade County, Wisconsin. The property is located in an area of light industry (Figure 1).

## 2.4 Geologic/Hydrogeologic Setting

The surficial geology of the Antigo area consists of unpitted outwash deposits comprised of stratified sand and gravel with some clay and silt (Devaul, R.W., and J.H. Green, 1971). Unpitted outwash deposits are approximately 150 to 200 feet thick in the Antigo area.

The bedrock geology consists of Cambrian sandstones underlain by Precambrian crystalline rock. Igneous and metamorphic rocks make up the Precambrian bedrock formation, which ranges in thickness from 200 to 300 feet.

The site is located approximately 1/2 mile east of a large wetland area (Figure 1). The majority of the site is covered with a gravel driveway and parking area. Surface drainage appears to be towards the west. Groundwater at the site occurs at approximately eleven feet below grade. The water table principally occurs within the unpitted outwash deposits (Devaul, R.W., and J.H. Green, 1971). Based on the topography of the area, the groundwater flow direction of the shallow, unconfined system may be predominantly westward.

Regional groundwater is anticipated to flow towards the Eau Claire River, however; localized variations in groundwater flow may exist.

## 3.0 SITE ASSESSMENT ACTIVITIES

### 3.1 Tank Removal Activities

On October 15, 1993, Summit observed the excavation and removal of one 10,000 gallon UST at the subject site. Prior to the excavation activities, Summit performed a site reconnaissance and confirmed the marking of site utilities. Stains on the asphalt paving or stressed vegetation were not observed. The skies were cloudy and temperatures were in the mid-forties during the UST removal activities. The checklist for underground tank closure can be found in Appendix I.

The piping and dispenser was located directly above the east end of the UST and were removed prior to the UST removal. The UST was removed using a backhoe. The underground petroleum product tank inventory can be found in Appendix II. The extent of the excavation is shown in Figure 2.

Indications of leakage were not observed from the UST or piping. The UST was cleaned on site and rendered useless by cutting a 2 by 2 foot hole at one end, and later the tanks were cut into 7 by 20 foot sheets. The USTs were excavated by:

Krueger & Steinfest, Inc.
P.O. Box 159
Antigo, Wisconsin 54409
(715) 627-7020

The tanks were cleaned, cut-up, and transported off-site to a recycler by:

A & D Industries, Inc.
P.O. Box 1468
Wausau, Wisconsin 54402-1468
(715)845-8953
DILHR certified remover #00474.

The tank destruction form can be found in Appendix III.

The tanks were recycled at:

J.R. Larsen Co.
E5468 Little River Road
Weyauwega, Wisconsin 54983
(414) 867-2760

### 3.2 Soil Screening for Organic Vapor Analysis

Excavated soil samples were periodically screened with an OVM Model 580B photoionization detector (PID). The PID was calibrated prior to use to read directly in parts per million of benzene (on a volume basis). Soil samples were collected from all four walls of the excavation, as well as samples from the east and west ends of the tank basin.

The samples were screened using a jar headspace technique in which the sample was placed in a clean, glass mason jar, covered with two layers of aluminum foil (shiny side up) and sealed with a lid. The jar was shaken for 15 seconds and stored for at least ten minutes at room temperature, protected from direct sunlight. The jar was then opened and the PID probe was inserted through the foil liner to collect the headspace sample. The highest meter reading was recorded within the first 15 seconds after insertion. Soil sample locations for organic vapor screening are shown in Figure 3.

### 3.3 Soil Sampling for Chemical Analysis

Following the removal of the UST, three soil samples were collected from the excavation for chemical analysis. The sample locations were beneath the center, east and west ends of the UST. The sample locations are shown in Figure 3.

Samples were collected immediately upon removal of soil from the excavation by the back hoe bucket. Soil was collected approximately 18 inches below the surface of the soil contained in the bucket. Soil samples were placed into laboratory-prepared, pre-weighed glass jars. Approximately 25 grams of soil was added to each jar and the jar was sealed with a Teflon-lined cap. Any soil on the lip of the jar was removed prior to sealing. The samples were then preserved on ice for transport to the laboratory.

The samples were transported to the laboratory for analysis of diesel-range organics (DRO). Soil samples were delivered with chain-of-custody documentation to Precision Analytical Laboratory, Milwaukee, Wisconsin on October 19, 1993. Sample matrix not consumed during analysis was disposed by the laboratory.

# 4.0 RESULTS

## 4.1 Site Lithology

The excavation was backfilled with a mixture of native soil and clean sand. The soil profile, exposed following the excavation of the backfill, consisted of a layer of moist, brown, silty clay, which was present from the surface to approximately 4 feet below grade. The clay layer was underlain by a layer of moist, medium grained sand containing some silt and gravel. The sand was present to the base of the excavation.

## 4.2 Groundwater Observations

Groundwater was observed entering the excavation at approximately 11 feet below grade. Evidence of petroleum staining or visible leakage was not observed in the excavation.

## 4.3 Contaminant Observations

Organic vapor concentrations were not detected in soil samples collected from the UST basin. Background concentrations were below detectable levels. Olfactory evidence of petroleum hydrocarbons was not detected in the soil samples collected from the UST basin. Soil sample locations for the organic vapor screening and chemical analysis are shown in Figure 3.

## 4.4 Analytical Chemistry Results

Detectable concentrations of DRO were not detected above the method detection limits in soil samples collected at the UST basin. Analytical soil sample locations are shown in Figure 3. A copy of laboratory results, analytical methods, and chain of custody documentation can be found in Appendix IV.

# 5.0 DISCUSSION

Prior to the excavation of the UST, staining and other indications of surface spillage or staining were not observed in the vicinity of the UST installation. During the removal of the 10,000 gallon UST, indications of leakage or holes were not observed on the surface of the UST or associated piping. Following the removal of the UST, visual impacts and soil discoloration were not observed in the excavation.

Organic vapors were not detected in soil removed from the excavation when screened with a PID. In addition, chemical analysis of the soil samples collected from the excavation did not reveal the presence of DRO concentrations above the method detection limits (<5.5 milligrams per kilogram).

Evidence of potential horizontal migration of formerly stored petroleum hydrocarbons was not observed and was not indicated through organic vapor screening performed during and following the removal of the UST.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Organic vapors were not detected in the soil samples collected at the site, and detectable concentrations of DRO were not present in the soil samples collected at the site. On the basis of the results of our site assessment, we believe that the potential risk of significant impacts to groundwater resources or other potential receptors resulting from the former UST appears to be relatively low. We recommend that additional subsurface assessment not be performed and the project be reviewed and closed.

## 7.0 REFERENCES

Devaul, R.W. and J.H. Green, 1971. Water Resources of Wisconsin - Central Wisconsin River Basin. United States Geological Survey, Washington D.C., Hydrologic Investigations Atlas HA-367.

## 8.0 LIMITATIONS OF SITE ASSESSMENT OF USTs

Summit's activities and opinions were based in part on information Summit obtained and evaluated from sources including the client and private, municipal, and state agencies. Verification of the authenticity or accuracy of this information is not warranted by Summit or included in Summit's scope of services.

### 8.1 Sample Collection and Analysis

Samples of soil that Summit believed had the potential of containing petroleum hydrocarbons were collected and screened for the presence of organic vapors. Sample locations, quantity of samples and analyses performed were selected to provide qualitative data to evaluate and document current site conditions or past site activities. The scope of sample collection and analysis are based primarily on the information provided by the site

data. Parameters not included in the scope of analysis were not identified or evaluated. The data obtained from discrete sample locations were used to infer conditions between sample locations. No guarantee may be given that the inferred conditions exist, because soil and ground water quality conditions between sample locations may vary significantly, and conditions at the time of sample collection may also vary significantly with respect to soil and ground water quality at any other given time, and for other reasons beyond Summit's control.

### 8.2 Final Report and Interpretation of Results

Summit's report is based upon Summit's observations made during the field activities, the information provided to Summit, and the results of sampling. Given the inherent limitations of environmental assessment work, Summit will not guarantee that the site is free of hazardous or potentially hazardous materials or conditions or that latent or undiscovered conditions will not become evident in the future. Summit's report was prepared in accordance with the proposal, scope of work, and Summit's general conditions and terms, and no warranties, representations, or certifications either expressed or implied are made.

**Summit Envirosolutions, Inc.**

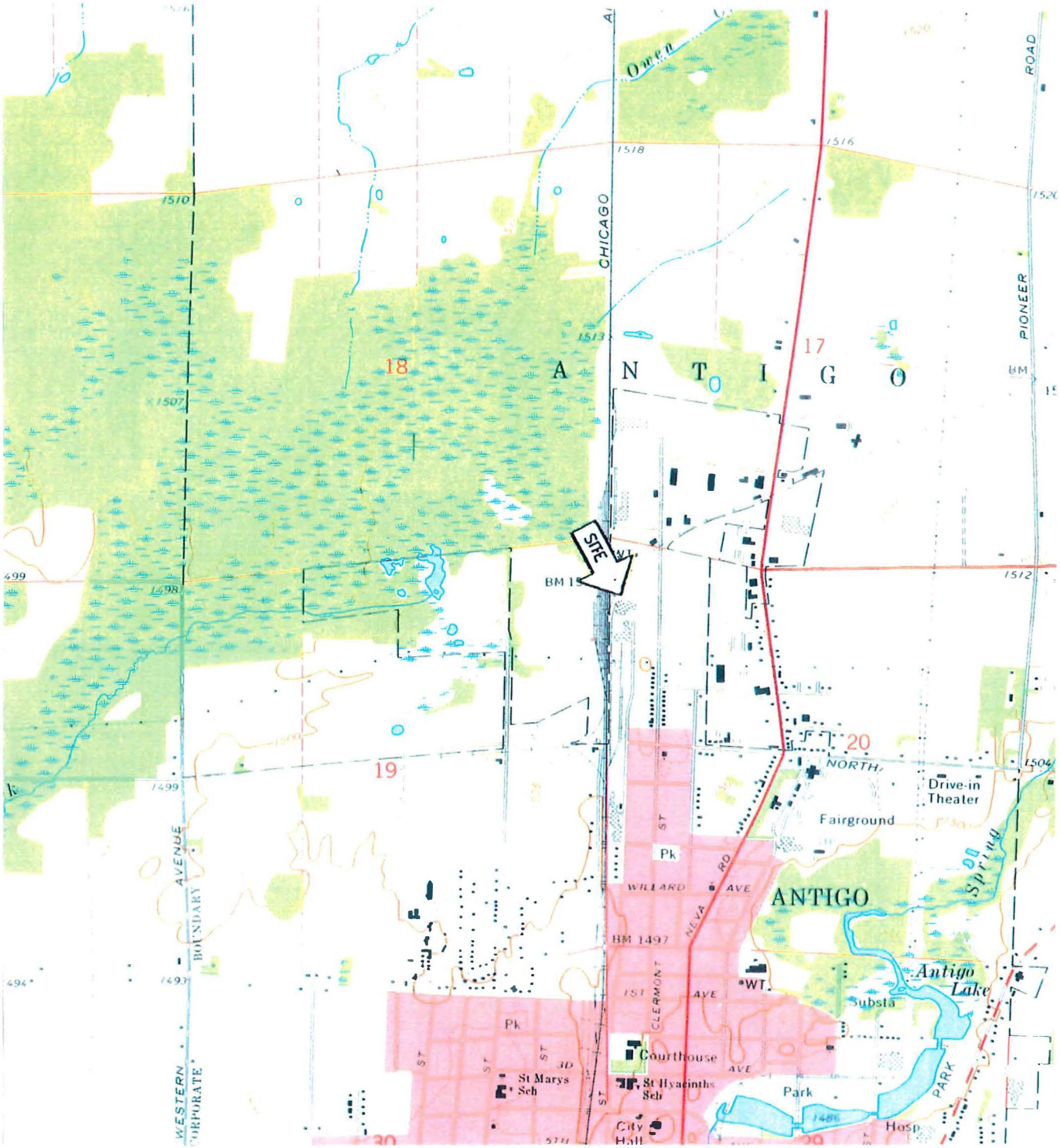
Veronica Streich

Veronica L. Streich
Assistant Project Manager

Roger J. Davis
Office Manager

/vls

# FIGURES




APPROXIMATE SCALE:

0 2000 4000

ONE INCH = 2000 FEET

NORTH

REMARKS:

Taken from U.S.G.S., Antigo, Wisconsin
7 1/2 minute quadrangle.

DRAWN BY: KEH REVIEWED BY:VLS

DATE:

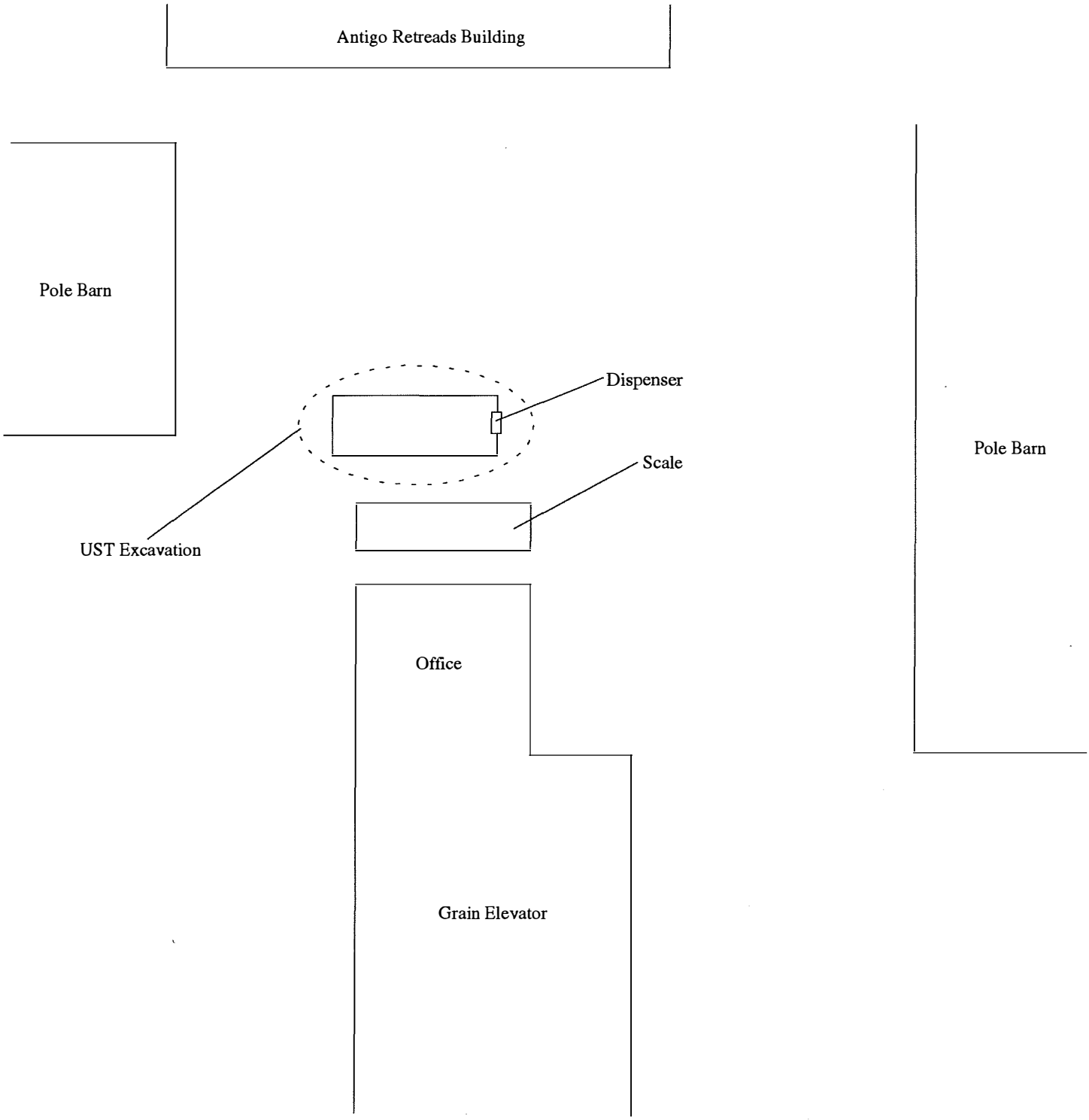
NOVEMBER
1993

**FIGURE 1**

**GENERAL SITE LOCATION MAP**

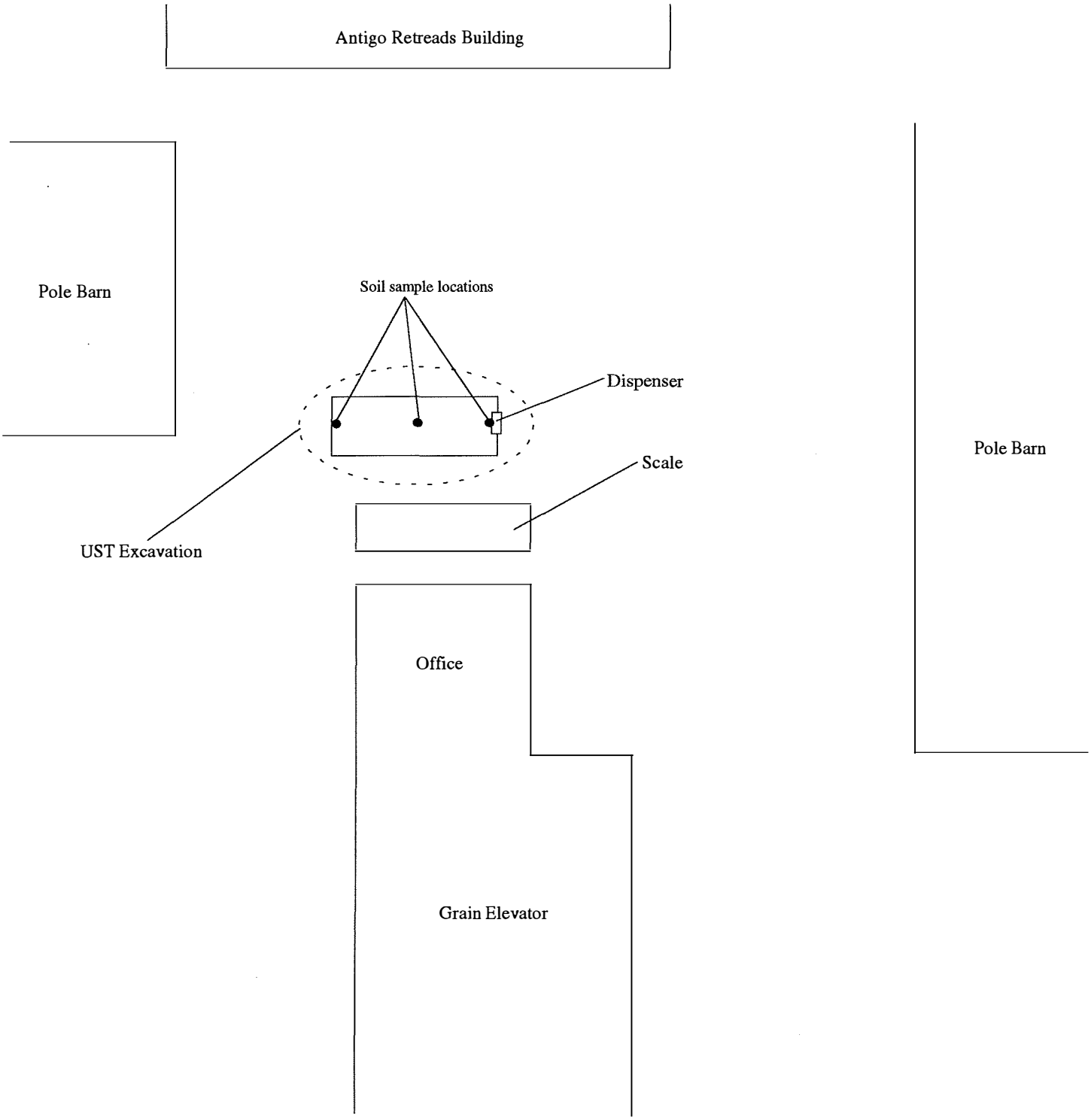
**FARM BUREAU COOPERATION**
**1922 NORTH EDISON**
**ANTIGO, WISCONSIN**
**SUMMIT PROJECT NO. 931171**

# SUMMIT ENVIROSOLUTIONS, INC.




| | | |
|---|---|---|
| NOT TO SCALE | NORTH | **FIGURE 2**<br>**SITE MAP** |
| REMARKS:<br>Taken from a Summit field sketch | | **FARM BUREAU COOPERATION**<br>**1922 NORTH EDISON**<br>**ANTIGO, WISCONSIN**<br>**SUMMIT PROJECT NO. 931171** |
| DRAWN BY: KEH REVIEWED BY: VLS | DATE:<br>NOVEMBER<br>1993 | |

# SUMMIT ENVIROSOLUTIONS, INC.




| | | |
|---|---|---|
| NOT TO SCALE | NORTH | **FIGURE 3**<br>**SOIL SAMPLE LOCATIONS**<br>**FARM BUREAU COOPERATION**<br>**1922 NORTH EDISON**<br>**ANTIGO, WISCONSIN**<br>**SUMMIT PROJECT NO. 931171** |
| REMARKS:<br>Taken from a Summit field sketch | DATE:<br>NOVEMBER<br>1993 | |
| DRAWN BY: KEH REVIEWED BY: VLS | | |

# APPENDIX I

## Checklist for Underground Tank Closure

Wisconsin Department of Industry, Labor and Human Relations

**Complete one form for each site closure.**

# CHECKLIST FOR UNDERGROUND TANK CLOSURE

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 | 2. Owner Name |
|---|---|
| FARM BUREAU CO-OPERATIVE | FARM BUREAU CO-OPERATIVE |
| Site Street Address (not P.O. Box) | Owner Street Address |
| 1922 EDISON | PO BOX 54 |
| ☐ City ☐ Village ☒ Town of: ANTIGO | ☐ City ☐ Village ☐ Town of: ANTIGO; State: WI; Zip Code: 54409 |
| State: WI; Zip Code: 54409; County: LANGLADE | County: LANGLADE; Telephone No. (include area code): (715) 627-4844 |
| 3. Closure Company Name (Print): A & D INDUSTRIES INC | Closure Company Street Address: PO BOX 1468 |
| Closure Company Telephone No. (include area code): (715) 845-8953 | Closure Company City, State, Zip Code: WAUSAU WI 54402-1468 |
| 4. Name of Company Performing Closure Assessment: SUMMIT ENVIRO SOLUTIONS | Assessment Company Street Address, City, State, Zip Code: 450 N. SUNNYSLOPE #215 BROOKFIELD WI 53005 |
| Telephone # (include area code): (414) 796-4400 | Certified Assessor Name (Print): VERONICA STREICH |
| Assessor Signature: Veronica Streich | Assessor Certification No.: 03129 |

| Tank ID # | Closure | Temp. Closure | Closure In Place | Tank Capacity | Contents * | Closure Assessment |
|---|---|---|---|---|---|---|
| 1. | ☒ | ☐ | ☐ | 10,000 | 01 | ☒ 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.**

| B. TEMPORARILY OUT OF SERVICE | Remover Verified | Inspector Verified | NA |
|---|---|---|---|
| Written inspector approval of temporary closure obtained, which is effective until (provide date) _____ | ☐ Y ☐ N | ☐ | ☐ |
| 1. Product Removed | | | |
| a. Product lines drained into tank (or other container) and resulting liquid removed, AND | ☐ Y ☐ N | ☐ | ☐ |
| b. All product removed to bottom of suction line, OR | ☐ Y ☐ N | ☐ | ☐ |
| c. All product removed to within 1" of bottom. | ☐ Y ☐ N | ☐ | ☐ |
| 2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped. | ☐ Y ☐ N | ☐ | ☐ |
| 3. All product lines at the islands or pumps located elsewhere are removed and capped, OR | ☐ Y ☐ N | ☐ | ☐ |
| 4. Dispensers/pumps left in place but locked and power disconnected. | ☐ Y ☐ N | ☐ | ☐ |
| 5. Vent lines left open. | ☐ Y ☐ N | ☐ | ☐ |
| 6. Inventory form filed indicating temporary closure. | ☐ Y ☐ N | ☐ | ☐ |

| C. CLOSURE BY REMOVAL | | | |
|---|---|---|---|
| 1. Product from piping drained into tank (or other container). | ☑ Y ☐ N | ☐ | ☐ |
| 2. Piping disconnected from tank and removed. | ☑ Y ☐ N | ☐ | ☐ |
| 3. All liquid and residue removed from tank using explosion proof pumps or hand pumps. | ☑ Y ☐ N | ☐ | ☐ |
| 4. All pump motors and suction hoses bonded to tank or otherwise grounded. | ☑ Y ☐ N | ☐ | ☐ |
| 5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. | ☑ Y ☐ N | ☐ | ☐ |
| **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.** | | | |
| 6. Vent lines left connected until tanks purged. | ☑ Y ☐ N | ☐ | ☐ |
| 7. Tank openings temporarily plugged so vapors exit through vent. | ☑ Y ☐ N | ☐ | ☐ |
| 8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F. | ☑ Y ☐ N | ☐ | ☐ |
| 9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement. | ☑ Y ☐ N | ☐ | ☐ |
| 10. Tank cleaned before being removed being removed from site. | ☑ Y ☐ N | ☐ | ☐ |



- CONTINUE ON NEXT PAGE -

## C. CLOSURE BY REMOVAL (continued)

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

## D. CLOSURE IN PLACE

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

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

## E. CLOSURE ASSESSMENTS

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

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

Agency, office and person contacted: _____

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

## F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐ Educator Or Diffused Air Blower

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

☐ Dry Ice

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

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

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

☐ Tank atmosphere monitored for flammable or combustible vapor levels.

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

## G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

## H. REMOVER/CLEANER INFORMATION

| Al Heller | al Heller | 00474 | 10-15-93 |
|---|---|---|---|
| Remover Name (print) | Remover Signature | Remover Certification No. | Date Signed |

## I. INSPECTOR INFORMATION

| | | |
|---|---|---|
| Inspector Name (print) | Inspector Signature | Inspector Certification No. |
| FDID # For Location Where Inspection Performed | Inspector Telephone Number | Date Signed |

# APPENDIX II

## Underground Petroleum Product Tank Inventory

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:

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

| 1. Tank Site Name | Site Address | | Site Telephone No. |
|---|---|---|---|
| FARM BUREAU CO-OPERATIVE | 1922 EDISON | | (715) 627-4844 |
| ☐ City ☐ Village ☒ Town of: ANTIGO | State WI | Zip Code 54409 | County LANGLADE |
| **2. Owner Name (mail sent here unless indicated otherwise in #3 below)** | **Owner Mailing Address (mail sent here unless indicated otherwise in #3)** | | |
| FARM BUREAU CO-OPERATIVE | PO 54 | | |
| ☐ City ☐ Village ☒ Town of: ANTIGO | State WI | Zip Code 54409 | County LANGLADE |
| **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) |
|---|---|---|
| | 10,000 | |

**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: | 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): | 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): | Indicate Whether: |
|---|---|
| Don Albrecht | ☐ Owner or ☒ Operator |
| **Signature of Owner or Operator:** | **Date Signed:** |
| Don Albrecht Jim May | |

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 III

## Tank Destruction Form

# A&D INDUSTRIES, INC.

P.O. Box 1468 • Wausau, WI 54402-1468
(715) 845-8953
FAX: (715) 845-6153

**Tank Destruction Guaranteed:** The tank was cut into 7' x 20' sheets and shipped for recycling at:

J.R. Larsen Co.
Weyauwega, WI

H. Samuels Co.
Green Bay, WI

Customer: Farm Bureau Co-operative
PO Box 54
Antigo, Wi

Site Location: Farm Bureau Co-operative
1922 Edison
Antigo Wi

Date: 10/12/93

Tanks Destroyed: (1) 1-10,000 UST Diesel

# APPENDIX IV

## Laboratory Results

**PRECISION ANALYTICAL LABORATORY**
205 WEST GALENA
MILWAUKEE, WI 53212
(414) 272-5222

11/23/93
10:29 RE

Analytical Report

Attn: Veronica Streich
Client: Summit Envirosolutions
450 N. Sunnyslope Rd
Suite #215
Milwaukee, WI 53005

WORK ID: 931171

Date Received: 10/19/93
Date Reported: 11/19/93

PAL ORDER #: 9310353

| SAMPLE DESCRIPTION | LAB ID | DATE COLLECTED |
|---|---|---|
| 9310151215 EAST END | 01A | 10/15/93 |
| 9310151220 CENTER | 02A | 10/15/93 |
| 9310151230 WEST END | 03A | 10/15/93 |

Laboratory ID Number (Wisconsin DNR): 241369260

**Certified By**
**Jeff Bushner**

# PRECISION ANALYTICAL LABORATORY



CLIENT: Summit Envirosolutions

| Test | Result | Limit | Units | Analyzed | Extracted | BY | Method |
|---|---|---|---|---|---|---|---|
| **Sample ID: 9310151215 EAST END** | | | Lab ID: | 9310353-01A | | Collected: 10/15/93 | |
| Dry Weight - Organic | 84 | | % | 10/27/93 | | JAH | |
| Mod. DRO (WDNR), Soil | | | | | | | WDNR MDRO |
| Diesel Range Organics | BQL | 4.7 | mg/kg | 11/18/93 | 11/15/93 | DLK | |
| Heavier than DRO | NP | 0.93 | mg/kg | 11/18/93 | 11/15/93 | DLK | |
| **Sample ID: 9310151220 CENTER** | | | Lab ID: | 9310353-02A | | Collected: 10/15/93 | |
| Dry Weight - Organic | 82 | | % | 10/27/93 | | JAH | |
| Mod. DRO (WDNR), Soil | | | | | | | WDNR MDRO |
| Diesel Range Organics | BQL | 4.0 | mg/kg | 11/18/93 | 10/20/93 | DLK | |
| Heavier than DRO | NP | 0.80 | mg/kg | 11/18/93 | 10/20/93 | DLK | |
| **Sample ID: 9310151230 WEST END** | | | Lab ID: | 9310353-03A | | Collected: 10/15/93 | |
| Dry Weight - Organic | 82 | | % | 10/27/93 | | JAH | |
| Mod. DRO (WDNR), Soil | | | | | | | WDNR MDRO |
| Diesel Range Organics | BQL | 5.5 | mg/kg | 11/18/93 | 10/20/93 | DLK | |
| Heavier than DRO | NP | 1.1 | mg/kg | 11/18/93 | 10/20/93 | DLK | |

BQL - Below Quantification Limit NP - Not Present

# PRECISION ANALYTICAL LABORATORY

Report Comments

11/23/93

CLIENT: Summit Envirosolutions

PAL Order #: 9310353

All analysis as per approved method found in one or more of the following:
Standard Methods for Evaluation of Water and Wastewater, 17th Edition
Methods for Chemical Analysis for Water and Wastes, Revised March 1983, EPA 600/4-79-020
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition 1986 EPA SW846

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Analysis performed or certified by Precision Analytical Laboratory

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