State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William R. Selbig, Regional Director

Oshkosh Service Center
905 Bay Shore Drive
P.O. Box 2565
Oshkosh, WI 54903
TELEPHONE 920-424-7887
FAX 920-424-4404

September 23, 1997

Mr. Donald Pfalz
Village of Bear Creek
P.O. Box 28
Bear Creek, WI 54922

Subject: Closure, Former Waugamie Feed Mill, 101 W. Rollo Street, Bear Creek, WI

Dear Mr. Pfalz:

On September 15, 1997, the above-named site was reviewed by the Northeast Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been remediated in compliance with the requirements of chs. NR 700 to 724, Wis. Adm. Code. Therefore, the Department considers the case "closed," having determined that no further action is necessary at the site at this time. However, the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare or the environment.

If you have any questions regarding this determination, please contact me at the telephone number shown below.

Sincerely,

Dino Tsoris, PG
Hydrogeologist
Bureau for Remediation and Redevelopment
Telephone: (920) 424-7887

cc: Ms. Karen Schumacher, Northern Environmental, Inc., 954 Circle Drive, Green Bay, WI 54304

NER BRR STAFF

From: Bruce Urben Date: 9/22

BRR STAFF

___ Jim Reyburn-NER GB
___ Kristen Nell -NER
___ Jennifer Huffman -NER GB
___ Kathy Erdmann - NER GB
___ Al Nass-NER GB
___ Janis DeBrock-NER
___ Keld Lauridsen-DOT LTE GB
___ SPILLS-COORD.
___ Roxanne Nelezen Chronert-NER
_____
___ Dave Hildreth-NER
___ Rick Stoll-WS

BRR STAFF

___ Tom Sturm- NER Shawano
___ Kathy Sylvester NER Oshkosh
___ Tim Davis DOT LTE Oshkosh
___ Dave CarperNER (MADISON-RR/3)
X Dino Tsoris NER Oshkosh
___ Greg Tilkens NER (MADISON-RR/3)
___ Mike Netzer NER (MADISON-RR/3)
___ _____
_____
___ _____
___ _____

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_____

___ Comment & Return to Urben by _____
___ Note & Return to Urben
___ Note & Last Person Recycle
___ Note & Return to _____ for Filing/Tracking
___ Retain for Your Records
___ For Your Information
___ Please Follow Through
X CLOSURE APPROVED-PREPARE CLOSURE LETTER
___ CLOSURE DENIED-PREPARE RESPONSE LETTER

jmd 8/19
RL 8-22

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
CASE SUMMARY AND CLOSE OUT FORM

FOR DEPARTMENT USE ONLY

Close Out Option: Committee (Fast Track) DNR Project Manager: DINO TSORIS

Priority: High Medium (Low) Type of Release: (LUST) Spill ERP Other ______ Unknown

Responsible Party Name/ Full Address: MR. DONALD PHAZ, VILLAGE of BEARCREEK, P.O. Box 28, BEAR CREEK

Site Name/Full Address: FORMER WAUGAMIE FEED MILL, 101 W. ROLLO STREET, BEAR CREEK, WI 54922

Legal Description: NW 1/4, NE 1/4, Sec 30, T 24 N, R 15 (E)/W) DNR Case No. 151740 (03-45) County: OUTAGAMIE

Contaminant Type(s) PETROLEUM Quantity Released RESIDUAL

Incident Type: (amount released if known): ______

Date of Incident/Discovered: 6/3/97 If Incident = LUST : Form 4 Pending? __Yes X No

Depth to Groundwater/Flow Direction: 18-20 ft Perched Water? __Y __N Depth: ______

Soil Type Clayey silt to 8 Ft. to Silty SAND 8-20' Depth to Bedrock ______

Potential Receptors: ______

Site Assessment Consultant: NORTHERN ENVIRONMENTAL - GREEN BAY

Investigation/Remediation Consultant: NORTHERN ENVIRONMENTAL - GREEN BAY

Certified Lab Testing Soils/Water: U.S. Oil Co, INC.

Status of water supply wells within 1200 feet of the site?

Date Closure Submitted to DNR: 7/10/97 Enforcement Actions or Permits Closed Out? ____Yes X No

Form completed by:
I certify that, to the best of my knowledge, the information presented on and attached to this form are true and accurate. This recommendation for case closure is based upon all available data as of ______ (date). I have read the Case Summary and Close Out Form Instructions and all required information has been included.

Name: ______ Firm Name: ______

Affiliation with Site Owner: ______

Address: ______

City: ______ State: ______ Zip: ______

Telephone Number: (____) ______

______
(Signature)

Attach Case Summary and Justification for Closure

SOIL
PRE-REMEDIATION OR INVESTIGATION ANALYTICAL RESULTS

Extent Defined? X Y ___N

Attach Table of Pre-remedial Soil Samples

SOIL
POST REMEDIATION ANALYTICAL RESULTS

Attach the Table for Post Remedial Soil Results

Remedial Action Completed? X Y ___N 720.19 analysis___Y ___N (if Y attach supporting documentation)

Final Confirmation Sampling Methods: 3ft - 25 mg/kg (PPM) GRO; 4-6 ft - 15 ppm GRO, No PVOC Analytes performed.

Description of remedial action taken:
RESIDUAL CONTAMINATION AFTER UST CLOSURE. REQUESTING CLOSURE BASED ON CONTAMINANT CONCENTRATIONS, SOIL TYPE, DEPTH TO GROUND WATER.

Were Soils Excavated? ___Y X N Quantity:_____ Disposal Method:_____

Soil Disposal Form Attached? ___Y ___N Final Disposal Location:_____

GROUNDWATER ANALYTICAL RESULTS

Extent Defined? ___Y ___N ___NA

Remedial Action Completed? ___Y ___N

Field Analyses? ___Y ___N Lab Analyses? ___Y ___N No. of Sampling Points:_____

Number of Sample Rounds:_____

#NR 141 Temporary Wells:_____ #Recovery Sumps:_____

#Private Wells:_____ Forprivate wells, Form 3300-67 completed:_____

#Municipal Wells:_____ #NR 141 Monitoring Wells:_____

Preventive Action Limit exceeded? ___Y___N (If yes, location)_____

Enforcement Standard exceeded? ___Y___N (If yes, location)_____

Attach Table of Groundwater Results

Description of remedial action taken:
MONITORING WELLS LOCATED ACROSS THE STREET (RAILROAD AVE) HAVE NOT DETECTED PETROLEUM CONTAMINANTS. THE MW'S WERE INSTALLED AS PART OF A BRRA PHASE I FOR THE WAUCAMIE COOP PESTICIDE STORAGE PROPERTY. THE MW'S ARE LOCATED DOWN GRADIENT FROM THE FORMER UST BASIN.

COMMITTEE RECOMMENDATION: **Date:** 9-15-97

Close

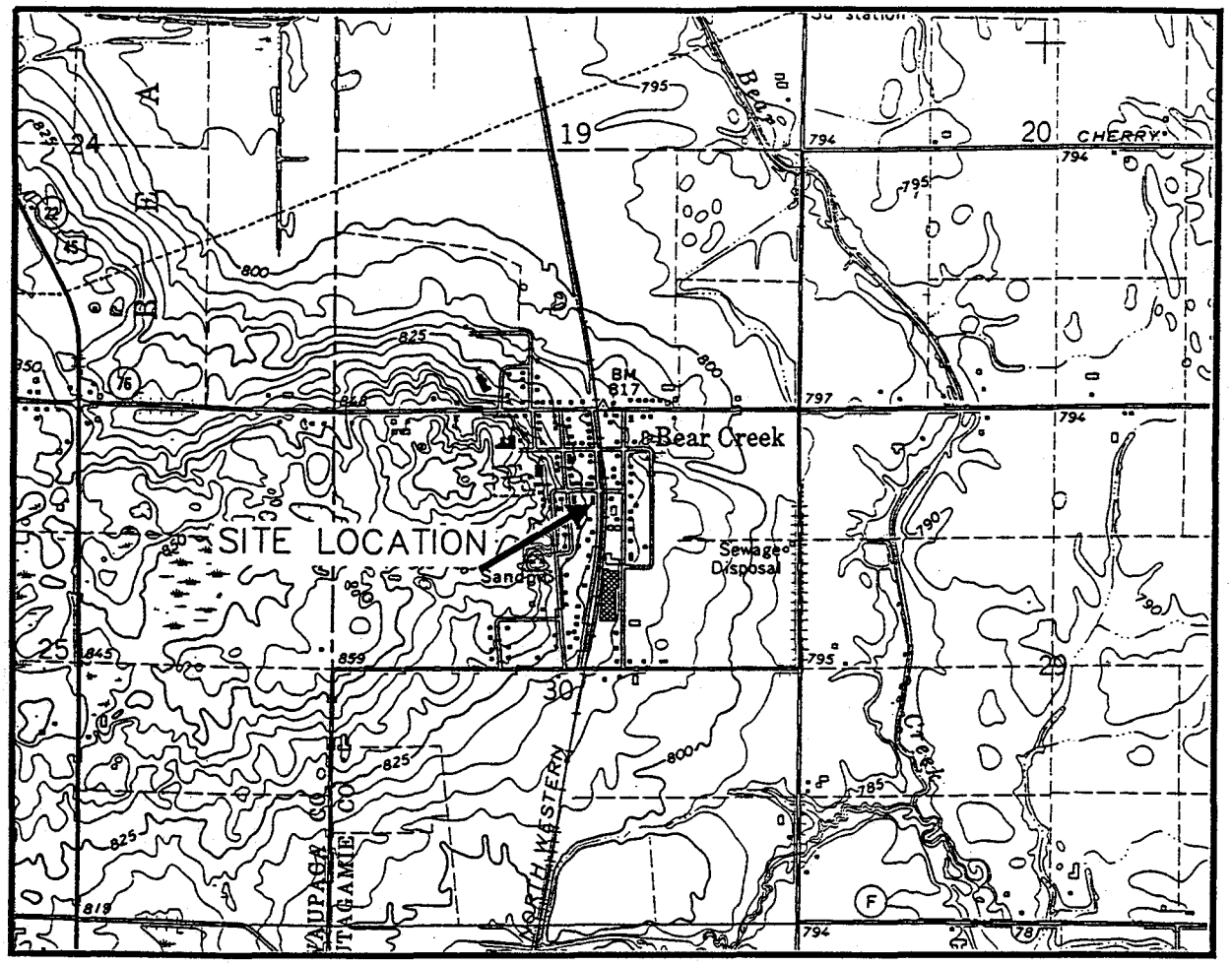
CASE CLOSE OUT: **Date:** _____

(Signature)

(Signature)

(Signature)

(Signature)



N

SCALE IN FEET

1" = 2000'

0 1000 2000 3000 4000 5000 6000 7000 8000

CONTOUR INTERVAL 10 FEET

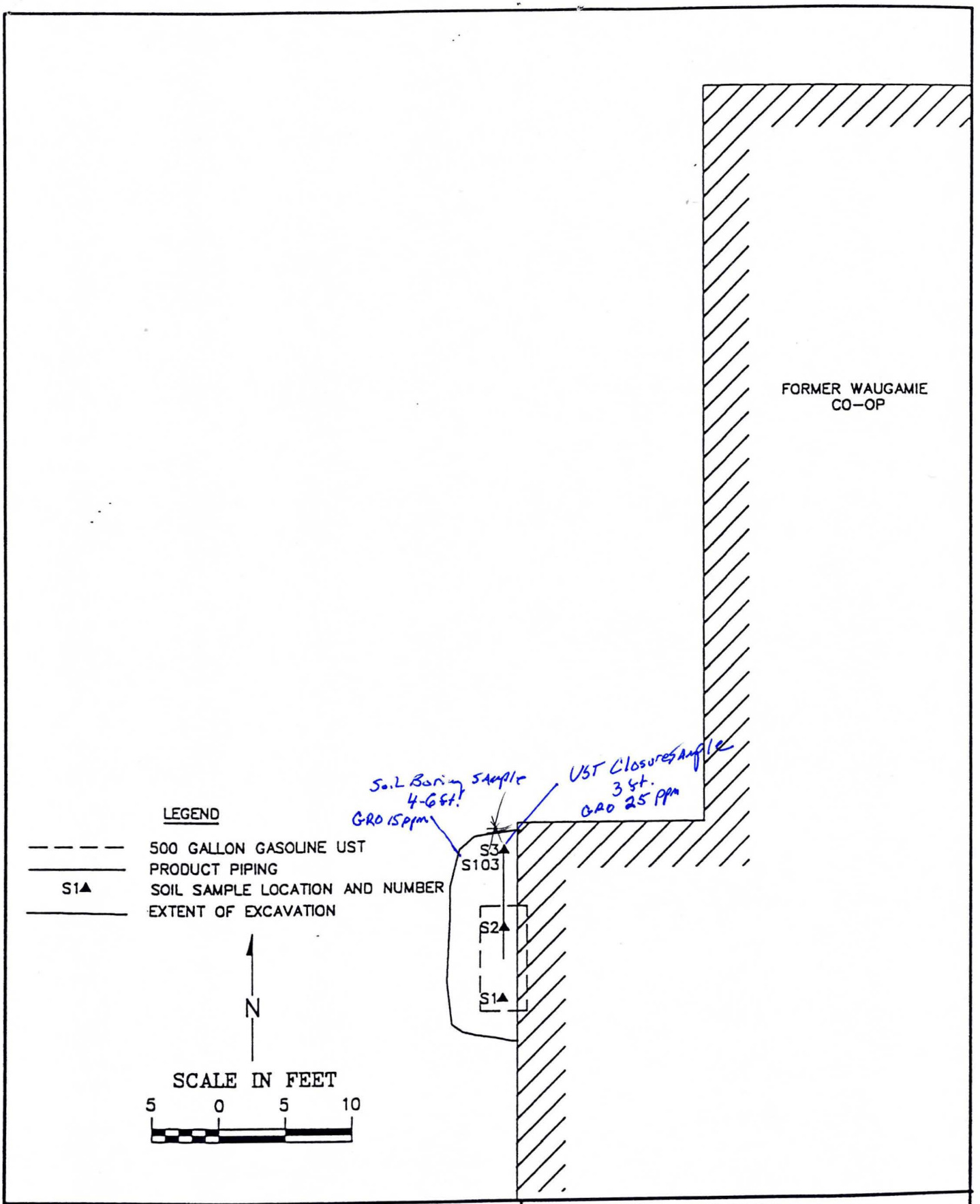
NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

BASE MAP SOURCE: USGS BEAR CREEK, WISCONSIN 7.5 MINUTE QUADRANGLE (REVISED 1969)

DRAWN BY: LFC	PROJECT: VBC310556	DATE: 6/27/97	FIGURE 1
REV. DATE			SITE LOCATION AND LOCAL TOPOGRAPHY WAUGAMIE FEED MILL BEAR CREEK, WISCONSIN
	Northern Environmental℠ Hydrologists • Engineers • Geologists		FOR: VILLAGE OF BEAR CREEK

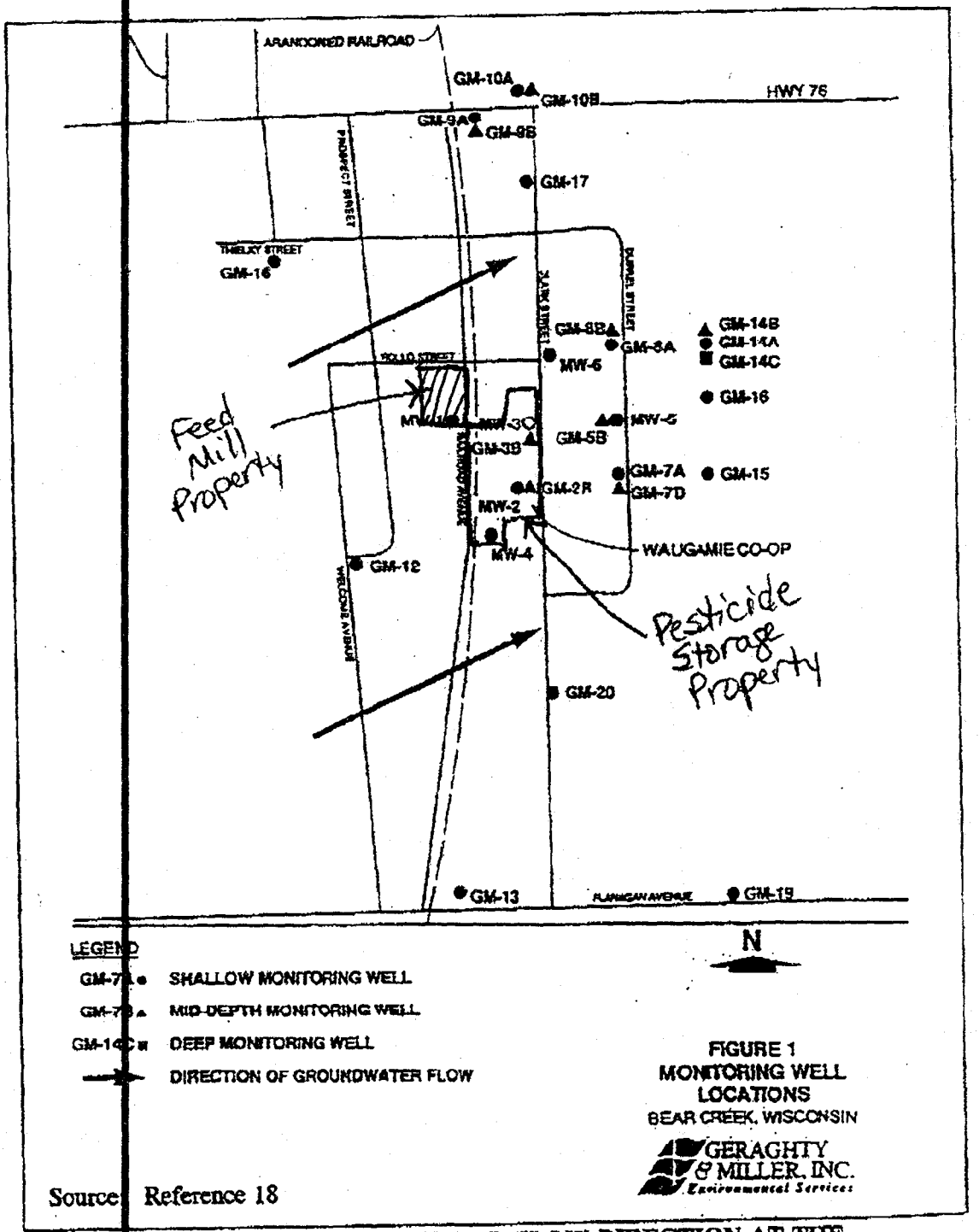
S:\PROJ\VBC\310556\TOPO



DRAWN BY: SMN	PROJECT: USP320554	DATE: 6/5/97
REV. DATE	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.	FIGURE 2 SITE LAYOUT WITH SOIL SAMPLE LOCATIONS FORMER WAUGAMIE CO-OP FEED MILL BEAR CREEK, WISCONSIN
	▲ Northern Environmental™ Hydrologists • Engineers • Geologists	US PETROLEUM EQUIPMENT

S:\PROJ\USP\320554\SSLOC

From Phase I BEAP Report



Source: Reference 18

FIGURE 4-7 GENERAL GROUNDWATER FLOW DIRECTION AT THE WAUGAMIE FS CO-OP

Table 4 Summary of Soil Field Screening and Lab Analysis, Former Waugamie Co-op Feed Mill, Bear Creek, Wisconsin

Sample Number	UST Association	Location	Depth (fbg)	Date Collected	Time Screened	PID Response (iul)	Odor	Soil Description	Soil Type (USCS Classification)	Relative Moisture Content	Laboratory Analysis Results GRO (mg/kg)
S1	UST1	Beneath south end of former UST	8	06/03/97	1220	0	None	Clayey silt	ML	Wet	<10
S2	UST1	Beneath north end of former UST	8	06/03/97	1221	16	None	Silty sand	SM	Wet	<10
S3	UST1	Beneath former dispenser location	3	06/03/97	1222	0	None	Medium grained sand with silt and pebbles	SM	Wet	25 *
S103	UST1	Beneath former dispenser location	4-6	06/13/97	940	0	None	Medium grained sand with silt and pebbles	SM	Moist	15 *

From Soil Boring

Note:
GRO = Gasoline Range Organics
USCS = United Soil Classification System
UST = Underground Storage Tank
fbg = feet below grade
iui = instrument units as isobutylene
mg/kg = milligrams per kilogram

s:\proj\usp\320554\SFS004.WK4

U.S. Oil Co., Inc.

JUN 16 1997

Analytical Laboratory

1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

KAREN SCHUMACHER
NORTHERN ENVIRONMENTAL
954 CIRCLE DRIVE
GREEN BAY WI 54304

Report Date: 11-Jun-97

Project #: USP320554
Project : Bear Creek
Sample ID: S1
Lab Code: 5017184A
Sample Type: Soil
Sample Date: 03-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	81.5			%		06-Jun-97	B.Rettler	1
MODIFIED GRO WDNR SEP 95	< 10	0.58	1.8	MG/KG		10-Jun-97	T. Williams	1

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature

U.S. Oil Co., Inc.

Analytical Laboratory

1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

KAREN SCHUMACHER
NORTHERN ENVIRONMENTAL
954 CIRCLE DRIVE
GREEN BAY WI 54304

Report Date: 11-Jun-97

Project #: USP320554
Project : Bear Creek
Sample ID: S2
Lab Code: 5017184B
Sample Type: Soil
Sample Date: 03-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	84.4			%		06-Jun-97	B.Rettler	1
MODIFIED GRO WDNR SEP 95	< 10	0.58	1.8	MG/KG		10-Jun-97	T. Williams	1

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature

U.S. Oil Co., Inc.

Analytical Laboratory
1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

KAREN SCHUMACHER
NORTHERN ENVIRONMENTAL
954 CIRCLE DRIVE
GREEN BAY WI 54304

Report Date: 11-Jun-97

Project #: USP320554
Project : Bear Creek
Sample ID: S3
Lab Code: 5017184C
Sample Type: Soil
Sample Date: 03-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	94.0			%		06-Jun-97	B.Rettler	1
MODIFIED GRO WDNR SEP 95	25	0.58	1.8	MG/KG		10-Jun-97	T. Williams	1

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature

U.S. Oil Co., Inc.

Analytical Laboratory
1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

SIBYL LAPINSKI
NORTHERN ENVIRONMENTAL
954 CIRCLE DRIVE
GREEN BAY WI 54304

Report Date: 20-Jun-97

Project #: VBC310556
Project : Bear Creek, WI
Sample ID: S103
Lab Code: 5017359A
Sample Type: Soil
Sample Date: 13-Jun-97

Test	Result	LOD	LOQ	Unit	Dilution Factor	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	90.2			%		19-Jun-97	B.Rettler	1
MODIFIED GRO WDNR SEP 95	15	0.58	1.8	MG/KG	1	19-Jun-97	T. Williams	1

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature Katherine A. Buermstadt

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

No: 8294

Northern Environmental℠

☐ 1214 W. Venture Ct. Mequon, WI 53092 414-241-3133 FAX 414-241-8222	☐ 372 West County Road D New Brighton, MN 55112 612-635-9100 FAX 612-635-0643	☒ 954 Circle Drive Green Bay, WI 54304 414-592-8400 FAX 414-592-8444	☐ 330 South 4th Avenue Park Falls, WI 54552 715-762-1544 FAX 715-762-1844	☐ 324 East Main Street Waupun, WI 53963 414-324-8600 FAX 414-324-3023	☐ 749 Lakewood Lane Marquette, MI 49855 906-249-4300 FAX 906-249-4311

Check office originating request

5017184

Project No: USP320554 Task No:

Project Location: (city) Bear Creek

Project Manager: Sibyl Lapinski

Sampler: (name) Karen Schumacher

Sampler: (signature) Karen Schumacher

Sampling Date(s): 6/3/97

Reports to be Sent to: Karen Schumacher

Laboratory: US Analytical

Wisconsin DNR Certification #: 445027660

Laboratory Contact: Mike Ricker

Price Quote:

TURNAROUND TIME REQUIRED

☐ Normal ☒ Rush

Date Needed

Sample Integrity - To be completed by receiving lab

Seal intact upon receipt ☒ yes ☐ no

Method of Shipment Joyce

Contents Temperature cm °C Refrigerator No:

ANALYSES REQUESTED

Lab ID No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size & Type	Description Water	Description Soil	Description Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method)	Pb (EPA Method)	PID
5017184 A	S1	6/3	1138	2-2 oz glass		X		Methanol		X						0
B	S2	↓	1141	↓		X		↓		X						16
C	S3	↓	1145	↓		X		↓		X						8

Packed for Shipping by: Luke

Shipment Date: 6-5-97

Comments: Please rush results. Thank you

Relinquished By: Luke	Date: 6-5-97	Relinquished By: T Boykin	Date: 6-5-97	Relinquished By:	Date:
Company: Northern	Time: 7:50	Company: US Oil	Time: 4:30	Company:	Time:
Received By: T Boykin	Date: 6-5-97	Received By:	Date:	Received By: S Zimmerman	Date: 6/5/97
Company: US Oil	Time: 7:45	Company:	Time:	Company: US Oil	Time: 4:30

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

___ of ___

No: 8308

Northern Environmental℠

☐ 1214 W. Venture Ct. Mequon, WI 53092 414-241-3133 FAX 414-241-8222	☐ 372 West County Road D New Brighton, MN 55112 612-635-9100 FAX 612-635-0643	☒ 954 Circle Drive Green Bay, WI 54304 414-592-8400 FAX 414-592-8444	☐ 330 South 4th Avenue Park Falls, WI 54552 715-762-1544 FAX 715-762-1844	☐ 324 East Main Street Waupun, WI 53963 414-324-8600 FAX 414-324-3023	☐ 749 Lakewood Lane Marquette, MI 49855 906-249-4300 FAX 906-249-4311

Check office originating request

5017359

Project No: VBC310556 Task No:

Project Location (city): Bear Creek, WI

Project Manager: Sibyl Lapinski

Sampler (name): Jenny Boettcher

Sampler (signature): Jenny L Boettcher

Sampling Date(s): 6/13/97

Reports to be Sent to: Sibyl Lapinski

Laboratory: US Oil

Wisconsin DNR Certification #: 445027660

Laboratory Contact: Jim Stevens

Price Quote:

TURNAROUND TIME REQUIRED

☐ Normal ☒ Rush

Date Needed: ASAP

Sample Integrity - To be completed by receiving lab

Seal intact upon receipt ☒ yes ☐ no COJUM

Method of Shipment ___

Contents Temperature 16 °C Refrigerator No: ___

ANALYSES REQUESTED

Lab ID No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size & Type	Water	Soil	Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method)	Pb (EPA Method)
7359A	S103	6/13	907	(2) 2oz (1) solids		X		methanol/ice		X					
~~S06~~		~~X~~				~~X~~				~~X~~					
B	S210	6/13	1040	(2) 2oz		X		methanol/ice	~~X~~	X					
C	S309	6/13	1113	(2) 2oz (1) solids		X		methanol/ice	X						

Packed for Shipping by:

Shipment Date:

Comments:

Relinquished By: Jennifer Gerhardt	Date: 6/16/97	Relinquished By: Leo Tuleman	Date: 6/16/97	Relinquished By:	Date:
Company: Northern ENV.	Time: 7:40AM	Company: US Oil	Time: 5:30	Company:	Time:
Received By: Leo Tuleman	Date: 6-16-97	Received By: [illegible]	Date: 6-16	Received By:	Date:
Company: US Oil	Time: 7:40AM	Company: U.S.	Time: 5:30	Company:	Time:

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
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William R. Selbig, Regional Director

osh Service Center
905 Bay Shore Drive
P.O. Box 2565
Oshkosh, WI 54903
TELEPHONE 920-424-7887
FAX 920-424-4404

August 4, 1997

Mr. Donald Pflaz
Village of Bear Creek
P.O. Box 28
Bear Creek, WI 54922

SUBJECT: Acknowledgement of Receipt - *Request for Closure Review*
Former Waugamie Feed Mill, 101 W. Rollo Street, Bear Creek, WI
WDNR BRR CASE ID #03-45-151740

Dear Mr. Pflaz:

The Department received the above mentioned closure request on July 10, 1997. Due to staffing levels and the backlog of cases, requests for closure are logged and reviewed in the order which they are received. After Department review of the case, you will be notified by letter that closure is either approved or that additional work is required.

Department staff will attempt to review your case within 90 days. If you have not received a response by then, please contact me at the telephone number shown below to inquire about the status of your request.

If this case is PECFA-eligible, please submit the Department of Commerce Form 4 as soon as possible so both closure and PECFA Form 4 review can be conducted simultaneously.

If you have any questions, please contact me at the telephone number shown below.

Sincerely,

Dino Tsoris, PG
Hydrogeologist
Bureau for Remediation and Redevelopment
Telephone (920) 424-7887

cc: Case File - OSH
Ms. Karen Schumacher, Northern Environmental, 954 Circle Drive, Green Bay, WI 54304

From Phase I EBEAP Report

Post-it® Fax Note 7671	Date 7/22	# of pages ▶ 4
To Dino Tsoris	From J. Huffman	
Co./Dept. OsKosh	Co. GB	
Phone #	Phone #	
Fax #	Fax #	

facilities that generate hazardous wastes are very common. Because of the large y the ASTM is confined to the property and fines adjoining properties as properties that h the site, including properties across any generators were listed as being present on op.

ERNS - The ERNS list is EPA's emergency response notification system list of reported spills to EPA in quantities greater the reportable quantity required in CERCLA. No spills on the Cooperative property were found in the ERNS system.

State Hazardous Waste Sites - The ASTM method requires the identification of sites with investigation or remediation that is regulated by the state and are considered to be equivalent in nature to the federal NPL and CERCLIS sites. The WDNR maintains three lists which identify sites regulated by the WDNR's Remediation and Redevelopment Program including the State Hazard Ranking List (Wisconsin's equivalent to the NPL), the Wisconsin Remedial Response Site Evaluation Report (WRRSER) list, and the Emergency and Remedial Response (ERRP) Case Tracking List. The ASTM method requires a one mile search distance for this category. The Co-op was identified on the ERRP list and is the only site on these three lists within one mile of the site.

Spills - A list of spills or releases of hazardous substances to the environment is maintained by WDNR, however, the ASTM does not require sites in this source to be identified. Two spills were identified on the site or adjoining property. The Co-op property was identified as a spill site (ID Number 870120-03), however, a spill report was never filed. The site is listed on the database based upon the groundwater contamination downgradient of the site that is presumed to have resulted from spills on the property over time. The second spill identified on adjoining property was located at 316 Clark Street on the Mares Produce property (ID Number 910326-02). Five gallons of fuel oil were spilled on March 26, 1991.

State Solid Waste Sites - The WDNR maintains a lists of active and abandoned solid waste disposal sites (landfills). The ASTM method requires a search distance of one-half mile for these sites. One site was identified and it is the Village of Bear Creek Landfill which is located approximately one-half mile northwest of the Co-op property.

State USTs - The Wisconsin Department of Industry, Labor, and Human Relations (WDILHR) regulates the registration of underground storage tanks (USTs) and maintains these records. Eight USTs were identified on adjoining properties. One UST was identified for the Co op site. The tank registered to the Co-op (Tank #44190-100) is located at the pesticide facility (308 Clark Street) and not the feed mill facility (see Section 4.2). Table 3-4 identifies the WDILHR tank identification numbers, owners, locations, contents, capacity, installation and abandonment dates, and user types for these tanks.

Dino - Tank Inventory Form for Tank at the Pesticide Property is in the Phase I File.

State LUSTs - The WDNR maintains a list of sites with leaking underground storage tanks and the ASTM method requires a search distance of one-half mile from the site. No LUST sites were identified within this search distance.

Table 3-4 UNDERGROUND STORAGE TANKS IDENTIFIED ON OR ADJOINING THE WAUGAMIE FARMCO COOPERATIVE PROPERTY

Tank ID #	Installation Name or Owner	Location	Contents	Capacity (gallons)	Install Date Abandon Date	Status	User Type
44190-0074	Village of Bear Creek	100 N. Railroad Ave.	Unleaded	550	Unknown 1-18-86	Abandoned Filled with Inert Material	Government
44190-0079	Village of Bear Creek	100 N. Railroad Ave.	Diesel	1000	Unknown 1-18-86	Abandoned Filled with Inert Material	Government
44190-0083	Flanagan Brothers, Inc.	400 Clark Street	Leaded	1000	4-20-85	In Use	Agriculture
44190-0084	Flanagan Brothers, Inc.	400 Clark Street	Fuel Oil	10,000	1-1-57	In Use	Industry
44190-0085	Flanagan Brothers, Inc.	400 Clark Street	Diesel	1000	4-20-85	In Use	Agriculture
44190-0091	BJ Mares & Sons, Inc.	316 Clark Street	Leaded	1000	1-1-74 Unknown	Abandoned Empty	Agriculture
44190-92	Bernard Mares	315 Clark Street	Unleaded	350	1-1-66 1-1-85	Abandoned Empty	Residential
44190-100	Waugamie FS Cooperative	101 Rollo Street*	Leaded	4000	1-1-80 12-4-87	Abandoned, Tank Removed	Industrial
44190-0132	Bert Berge Plumbing/ Norman Paul	Possibly 305 Clark Street	Leaded	500	1-1-61	In Use	Agriculture

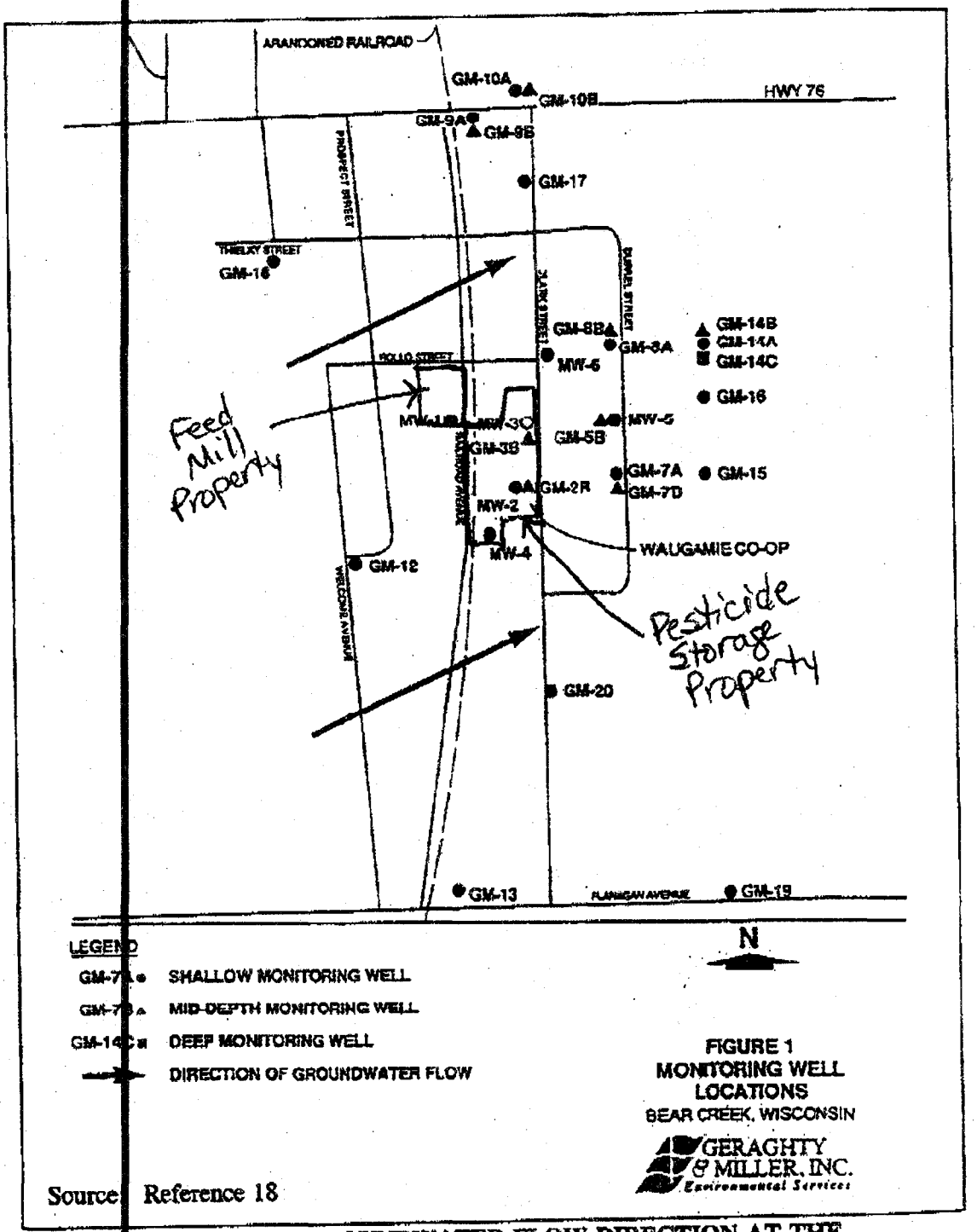
*Address at which UST was registered, however, actual location is at 308 Clark Street, based upon conversation with Mr. Jerry Wagenson. See Section 4.2.

3.6 ENVIRONMENTAL SETTING

Geology

The surficial soils across the site are mapped as the Rousseau loamy fine sand with two to six percent slopes (Reference 32). These soils are gently sloping and located on sandy lacustrine and outwash plains. This type of soil has low natural fertility and low organic matter content. Runoff is slow, which indicates that permeability is rapid, and the available water capacity is low. Based upon the May 2, 1996 reconnaissance inspection, surface soils at the site are predominately a poorly sorted, fine to medium grained silty sand.

From Phase I BEAP Report



Source: Reference 18

FIGURE 4-7 GENERAL GROUNDWATER FLOW DIRECTION AT THE WAUGAMIE FS CO-OP

From Phase I BEAP

north of the office building next to the UST location. A second slab was located north and adjacent to the pesticide storage building. The third slab is located west of the dry bulk fertilizer building and was the bulk fertilizer unloading pad. The fourth pad was located outside on the southwest corner of the dry bulk fertilizer storage building, however, its use was unknown. A circular ring stain was observed on this pad, which indicated that it may have been used to support an AST. A paved area was located east of the dry bulk fertilizer building. The remainder of the site is unpaved.

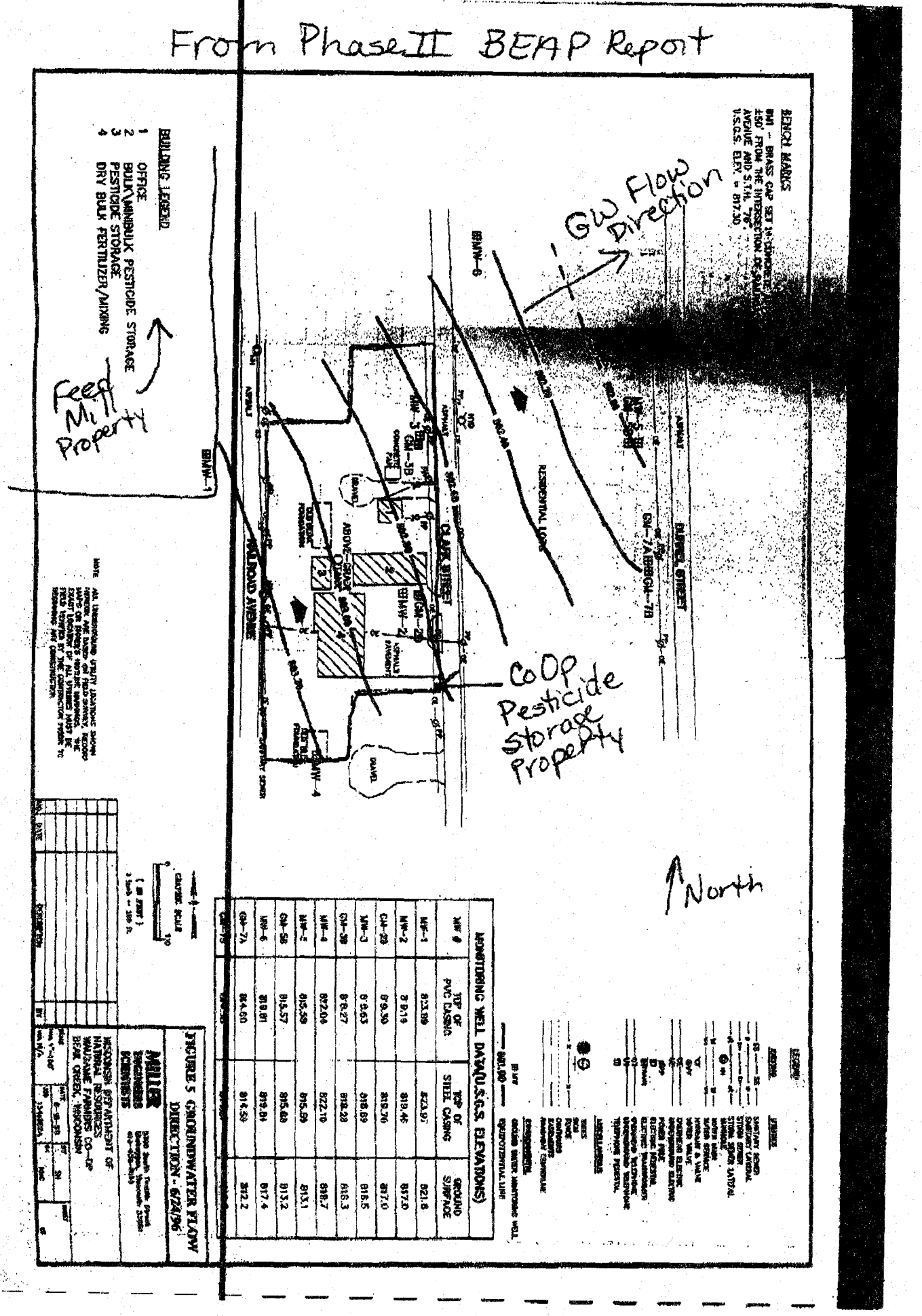
→ Mr. Wagenson pointed out the general location of the UST. He said that this tank had been removed in 1987 (as was identified on the 1993 Tank Inventory form) and that it was the tank registered with WDILHR, even though the address on the registration is identified as 101 Rollo Street (the Feed Mill address) and not the Co-op address (308 Clark Street). He confirmed that he thought it was a leaded gasoline tank, as was registered with WDILHR. A brief survey was conducted with a metal detector in the general area of the UST, however, no buried metal was identified in that area. He also indicated the general area that the ASTs were stored, however, he also said that they were periodically moved around on the site. The water supply well that served the office building before the Co-op received water from the Village of Bear Creek was still present, however, it was capped off and not in use. The well is located in a utility room in the northwest corner of the office building.

The soils west of the office building were not visually observed for signs of contamination because large equipment was stored there by Flanagan Brothers. A school bus, also owned by Flanagan Brothers, was present approximately 10 feet west of the former underground storage tank location and prevented the inspection of these soils. A paved area east of the dry bulk fertilizer building also prevented the inspection of the underlying soils. A small circular area of stained soil was found during the reconnaissance inspection near the cement pad which is north of the pesticide storage building.

Several empty and half empty pesticide, insecticide, tracer dye, and miscellaneous containers were found in the pesticide storage building and the bulk/minibulk pesticide storage building. In addition, a full 30 gallon drum of what appeared to be waste oil and a small container of used oil filters was also found in the western most bay of the bulk/minibulk pesticide storage building. The floor was stained around the drum and the bung was open. Both Mr. Wagenson and Mr. Phil Peterson (attorney for the Cooperative) have been notified of their responsibility to properly characterize and dispose of these containers and their contents.

Seven potential source areas for soil and groundwater contamination were identified during the site visit. These include the UST area, the equipment parking/depressions area, the general AST mixing and loading areas, the pesticide storage building, the empty pesticide container storage area, the dry bulk fertilizer building and adjacent paved area, the bulk/minibulk pesticide and fertilizer/pesticide storage building. The inside of the office building was also inspected, however, no contamination sources were identified within this building. Table 5-1 summarizes observations made that were observed for each of the source areas and the office building during the site visit.

From Phase II BEAP Report



LETTER OF TRANSMITTAL

Northern EnvironmentalSM
Hydrologists • Engineers • Geologists

954 Circle Drive
Green Bay, Wisconsin 54304

414-592-8400
1-800-854-0606
Fax 414-592-8444

DATE 7/2/97	PROJECT NO. USP320554
ATTENTION Janis DeBrock	
RE UST Closure Assessment	
Former Waupaca Co-op	
Feed Mill, Bear Creek WI	

TO: Janis DeBrock
WDNR-LUST Section
1125 N. Military Ave, P.O. 10448
Green Bay WI 54307-0448

WE ARE SENDING YOU

- [x] Attached
- [ ] Under separate cover
- [ ] Shop Drawings
- [ ] Specifications
- [ ] Plans
- [ ] Copy of letter
- [ ] Samples
- [ ] Change order
- [ ] _____

COPIES	DESCRIPTION
1	UST Closure Assessment, Former Waupaca Co-op Feed Mill

RECEIVED
JUL 07 1997
LMD SOLID WASTE

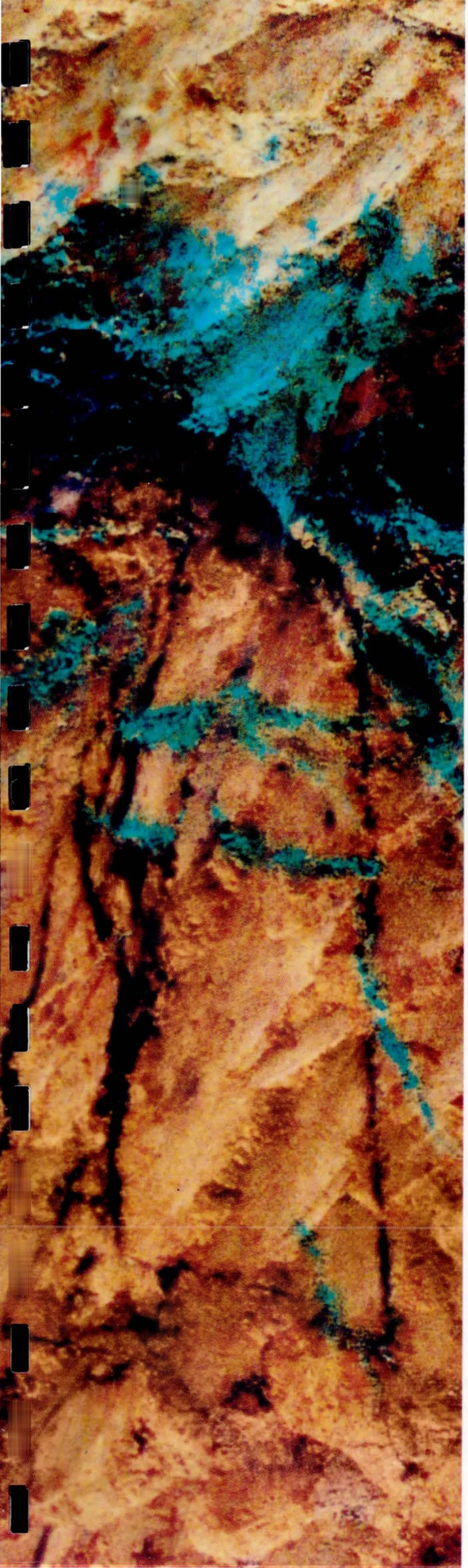
THESE ARE TRANSMITTED (see code)

A. For Approval
B. For Your Use
C. As Requested
D. For Review and Comment
E. For Bids Due _____ 19 ____
F. No Exceptions Taken
G. Make Noted Corrections
H. Amend & Resubmit
I. _____
J. Resubmit _____ Copies for Review
K. Submit _____ Copies for Distribution
L. Return _____ Corrected Prints
M. Review and Sign _____

REMARKS: We are requesting that this site be reviewed for closure. A release was reported on 6/26/97 based on laboratory analysis of a soil sample collected during the UST closure assessment. Lab results indicated 25 mg/kg GRO was present. A second, deeper soil sample contained 15 mg/kg GRO, and nothing was detected in soils collected at the watertable downgradient of the removed UST. Because concentrations detected are less than the clean-up limit (100 mg/kg GRO), we believe this site should be closed.

COPY TO:

SIGNED: Karen Schumacher



UST CLOSURE ASSESSMENT

FORMER WAUGAMIE CO-OP
FEED MILL
101 WEST ROLLO STREET
BEAR CREEK, WISCONSIN

July 2, 1997

Northern Environmental℠
Hydrologists • Engineers • Geologists

Northern Environmental℠
Hydrologists • Engineers • Geologists

954 Circle Drive
Green Bay, WI 54304
414-592-8400
1-800-854-0606
Fax • 414-592-8444
E-mail • netigb@admin.itol.com

July 2, 1997
(USP320554)

Mr. Scott Krepline
U.S. Petroleum Equipment and Environmental Services
558 Carter Court
Kimberly, Wisconsin 54136

RE: Underground Storage Tank Closure Assessment Former Waugamie Co-op Feed Mill, 101 West Rollo Street, Bear Creek, Wisconsin 54922-9770

Dear Mr. Krepline:

Northern Environmental Technologies, Incorporated (Northern Environmental) performed an Underground Storage Tank (UST) Closure Assessment on June 3, 1997 for U.S. Petroleum Equipment and Environmental Services for a gasoline UST removed from the former Waugamie Co-op Feed Mill, 101 West Rollo Street Bear Creek, Wisconsin. The site location is shown in Figure 1. This UST closure assessment conforms with Chapter ILHR 10, Wisconsin Administrative Code and the Wisconsin Department of Natural Resources (WDNR) site assessment guidelines (WDNR, 1992).

This report has been distributed to the parties listed in Attachment A. Tank excavation and removal are described in Attachment B. Tank cleaning and disposal activities are summarized in Attachment C. Surplus product management information is described in Attachment D. Tank sludge management is described in Attachment E. Visual inspection data is summarized in Attachment F. Background information is summarized in Attachment G.

Information obtained from WDILHR, the owner, and/or the tank removal contractor about the UST systems is listed in Tables 1, 2, and 3. The UST system layout is illustrated in Figure 2. Copies of the updated Underground Petroleum Product Tank Inventory Forms and the Closure Checklist which were sent to the WDILHR are included in Attachment H.

Three soil samples were collected during the UST closure in accordance with the WDNR guidance (WDNR, 1992). The locations of the sample points are shown in Figure 2. A sample from each location was subjected to field screening. Field screening detected possible released petroleum in the soils at the site. Methods specific to field screening and sample preparation are included in Attachment I.

The three soil samples collected during the UST closure assessment were subjected to laboratory analysis for gasoline range organics (GRO). Laboratory analysis detected petroleum concentrations in one of the three soil samples at 25 milligrams per kilogram (mg/kg) as GRO. The results of field screening and laboratory analysis are summarized in Table 4. Copies of the laboratory reports and chain-of-custody forms are included in Attachment J.

Based on information collected during the UST closure assessment, a petroleum product was released to the environment at the site. As required by state law, Ms. Karen Schumacher of Northern Environmental reported the release to the WDNR on June 26, 1997 (DeBrock, 1997). The WDNR currently uses a 10 mg/kg petroleum guideline limit to require a remedial investigation (WDNR, 1995a). The regulatory limit for cleanup of petroleum-contaminated soil is 100 mg/kg in permeable soils such as those encountered at the site.

The WDNR is currently conducting an environmental investigation of a pesticide release at the former Waugamie Farmco Co-op located southeast of the former Waugamie Feed Mill. Based upon results reported by the WDNR in their Phase II Environmental Site Assessment (ESA) report for the Waugamie Farmco (Huffman, 1997) the native soil is fine sand and silt, depth to ground water is 15 to 20 feet, and the ground-water flow direction is east.

On June 13, 1997, Northern Environmental conducted a limited soil sampling program at the former Waugamie Co-op Feed Mill in conjunction with a Phase I ESA. Soil samples were collected at the former UST location and along the east and north property boundaries. The purpose of the soil sample collected at the former UST location was to define the lower extent of petroleum compounds detected during the UST Closure Assessment. The soil sample at the former UST location was collected with a Geoprobe at 4 to 6 feet below grade (fbg). Attempts to collect samples beneath 6 fbg resulted in no sample recovery. Field screening did not detect released petroleum in the soil sample. Laboratory analysis detected petroleum concentrations in the soil sample collected during the Phase I ESA near the former UST location at 15 mg/kg as GRO. This concentration is below the regulatory limit for cleanup, but slightly exceeds the limit for investigation.

The soil boring conducted along the east property boundary during the Phase I ESA is directly downgradient of the former UST area. The soil sample submitted for laboratory analysis from this soil boring was collected at the water table (18 to 20 fbg). Laboratory analysis of the soil sample detected no petroleum constituents. These results show that petroleum compounds are not present at the ground-water table downgradient of the former UST area.

Due to low petroleum constituent concentrations detected at the former UST area (15 to 25 mg/kg GRO); absence of odors, staining or elevated photoionization detector response; and absence of detectable concentrations of petroleum constituents in a soil sample collected downgradient of the removed UST, Northern Environmental recommends that no further investigation or remedial action with respect to the removed UST.

The findings and results of this UST closure assessment are based upon interpretation of the information available to Northern Environmental. Northern Environmental does not warrant that this report represents an exhaustive study of all possible concerns at the Property. The items investigated as part of this study represent likely sources of environmental concern associated with the described UST system, and are consequently believed to adequately address the needs of the client at the present time.

Please feel free to contact Northern Environmental at 414-592-8400 if you have any questions.

Sincerely,

Northern Environmental Technologies, Incorporated

K R Schumacher

Karen R. Schumacher, EIT
Environmental Engineer

Sibyl A. Lapinski

Sibyl A. Lapinski, PG
Project Hydrogeologist

aem
Attachments

REFERENCES

DeBrock, Janis (WDNR) facsimile transmission to Karen Schumacher (Northern Environmental Technologies, Incorporated), June 26, 1997.

Huffman, Jennifer, "Phase II Environmental Site Assessment Report, Waugamie Farmco Cooperative," Wisconsin Department of Natural Resources, March 31, 1997.

Van Pay, Brian (U.S. Petroleum Equipment and Environmental Services) personal and telephone conversations with Karen Schumacher (Northern Environmental Technologies, Incorporated) June 3 and 9, 1997.

Wilson, Houston (Village of Bear Creek) personal conversation with Karen Schumacher (Northern Environmental Technologies, Incorporated), June 3, 1997.

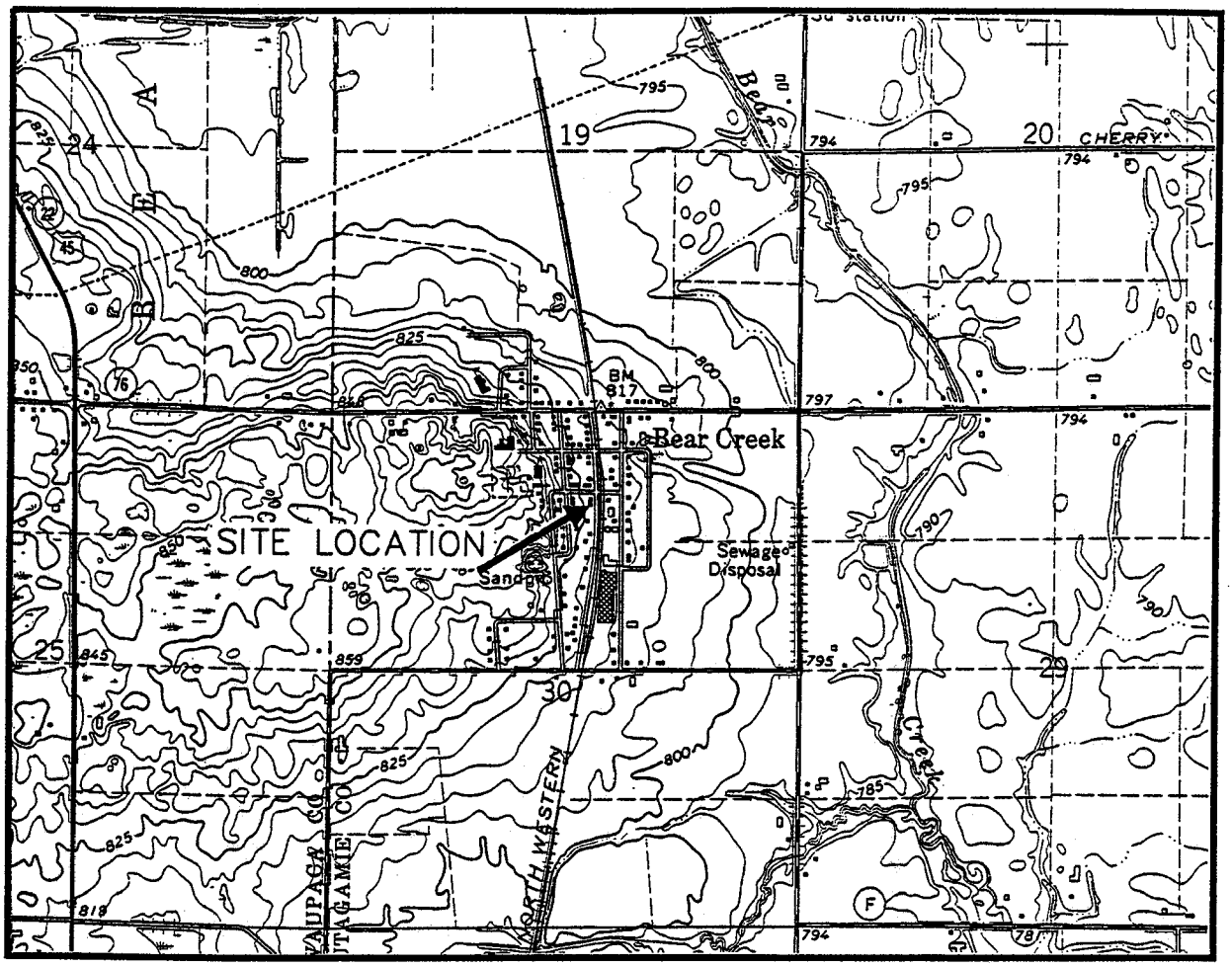
Wisconsin Department of Industry, Labor, and Human Relations, "Flammable and Combustible Liquids," *Wisconsin Administrative Code,* Chapter ILHR 10, April 1991.

Wisconsin Department of Industry, Labor, and Human Relations, *DILHR On-Line Tanks Data Base,* June 26, 1997.

Wisconsin Department of Natural Resources, "Site Assessments for Underground Storage Tanks Technical Guidance," September 1992.

Wisconsin Department of Natural Resources, "Action Guidelines for Petroleum Discharges at Sites Regulated Under NR 700," *Release News*, Volume 5, Number 1, January 1995(a).

Wisconsin Department of Natural Resources, "Notification of the Discharge of Hazardous Substances," *Wisconsin Administrative Code*, Chapter NR 158, September 1995(b).



151740

SCALE IN FEET

1" = 2000'

0 1000 2000 3000 4000 5000 6000 7000 8000

N

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

BASE MAP SOURCE: USGS BEAR CREEK, WISCONSIN 7.5 MINUTE QUADRANGLE (REVISED 1969)

DRAWN BY: LFC	PROJECT: VBC310556	DATE: 6/27/97

REV. DATE

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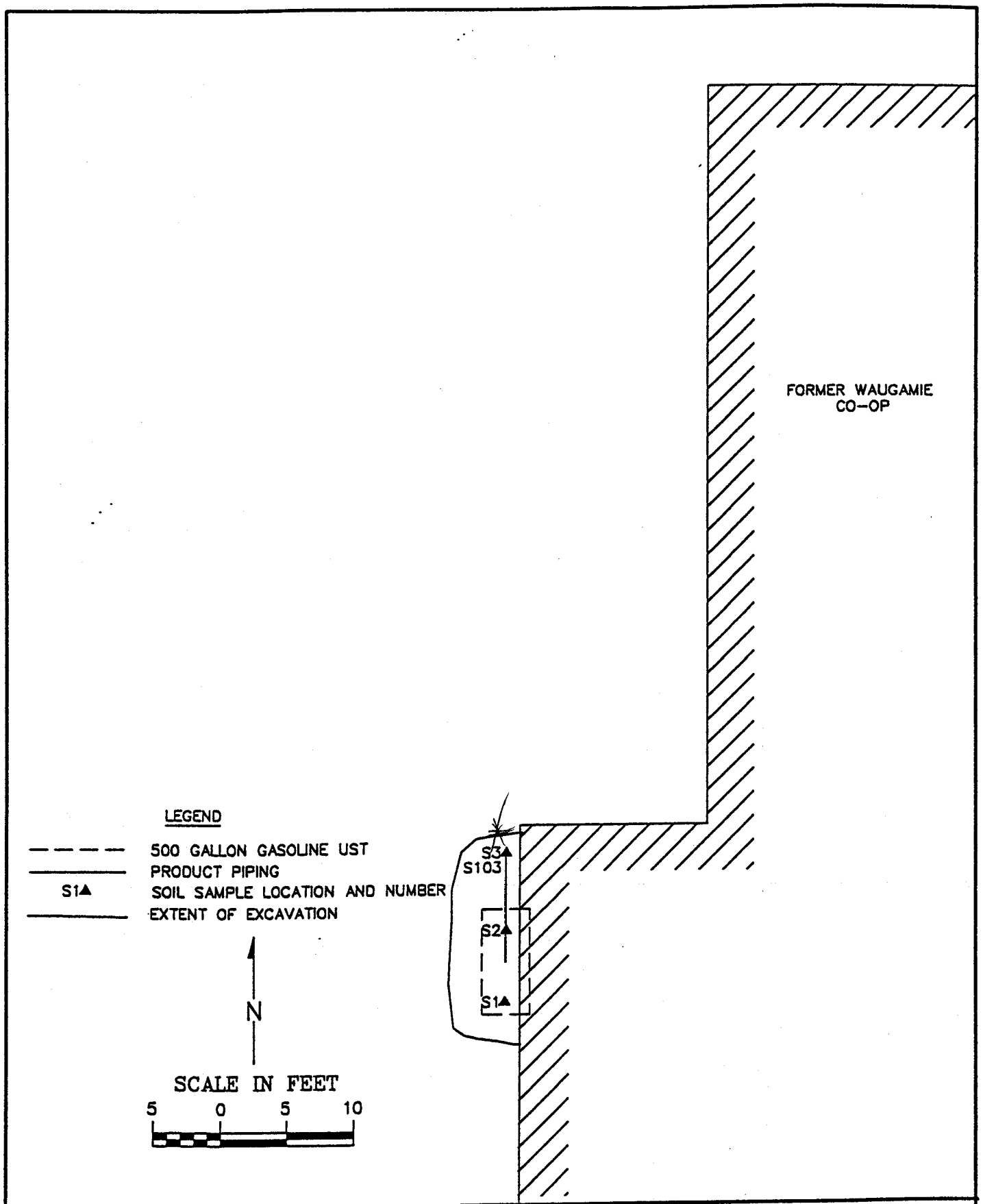
FIGURE 1
SITE LOCATION AND LOCAL TOPOGRAPHY
WAUGAMIE FEED MILL
BEAR CREEK, WISCONSIN

FOR: VILLAGE OF BEAR CREEK

S:\PROJ\VBC\310556\TOPO



DRAWN BY: SMN	PROJECT: USP320554	DATE: 6/5/97
REV. DATE	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.	FIGURE 2 SITE LAYOUT WITH SOIL SAMPLE LOCATIONS FORMER WAUGAMIE CO-OP FEED MILL BEAR CREEK, WISCONSIN
	Northern Environmental℠ Hydrologists • Engineers • Geologists	US PETROLEUM EQUIPMENT

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Table 1 Summary of UST Information

Former Waugamie Co-op Feed Mill, Bear Creek, Wisconsin

UST Number	UST Construction	Volume (gallons)	Contents	Status	Date Installed	Registration Number
1	Steel	500	Gasoline	Removed	Unknown	UST is not registered

Note:
UST = underground storage tank

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Table 2 Summary of Dispensing System Information

Former Waugamie Co-op Feed Mill, Bear Creek, Wisconsin

UST Number	Type of Delivery System	Piping Construction	Location of Check Valve
1	None present at the time of removal	Steel	None present at the time of the removal

Note:
UST = underground storage tank

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MINNESOTA • St. Paul • Brainerd • Rochester
CANADA • Calgary

Table 3 Summary of UST System Inspection

Former Waugamie Co-op Feed Mill, Bear Creek, Wisconsin

UST Number	UST Condition	Piping Condition	Piping Joint Integrity	Dispenser Condition	Any Apparent Releases
1	UST had a large hole. A building footing post had been set into the UST	Rusty but solid, no holes	Joints were loose	None present at the time of removal	Based on laboratory data, a release apparently occurred from the dispenser

Note:
UST = underground storage tank

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Table 4 Summary of Soil Field Screening and Lab Analysis, Former Waugamie Co-op Feed Mill, Bear Creek, Wisconsin

Sample Number	UST Association	Location	Depth (fbg)	Date Collected	Time Screened	PID Response (iul)	Odor	Soil Description	Soil Type (USCS Classification)	Relative Moisture Content	Laboratory Analysis Results GRO (mg/kg)
S1	UST1	Beneath south end of former UST	8	06/03/97	1220	0	None	Clayey silt	ML	Wet	<10
S2	UST1	Beneath north end of former UST	8	06/03/97	1221	16	None	Silty sand	SM	Wet	<10
S3	UST1	Beneath former dispenser location	3	06/03/97	1222	0	None	Medium grained sand with silt and pebbles	SM	Wet	25
S103	UST1	Beneath former dispenser location	4-6	06/13/97	940	0	None	Medium grained sand with silt and pebbles	SM	Moist	15

Note:
GRO = Gasoline Range Organics
USCS = United Soil Classification System
UST = Underground Storage Tank
fbg = feet below grade
iui = instrument units as isobutylene
mg/kg = milligrams per kilogram

ATTACHMENT A

REPORT DISTRIBUTION

REPORT DISTRIBUTION

Mr. Scott Krepline
U.S. Petroleum Equipment and Environmental Services
550 Carter Court
Kimberly, Wisconsin 54136

Ms. Janis DeBrock
Wisconsin Department of Natural Resources
LUST Section
1125 North Military Avenue
Post Office Box 10448
Green Bay, Wisconsin 54307-0448

Mr. Houston Wilson
Village of Bear Creek
109 Prospect Street
Post Office Box 28
Bear Creek, Wisconsin 54922

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ATTACHMENT B

TANK EXCAVATION AND REMOVAL

TANK EXCAVATION AND REMOVAL

UST Closure

Removal: X
Closure in-place: _____
WDILHR Order: _____

Date of Removal or Abandonment

Date: June 3, 1997

UST Removal Contractor

Company Name:	U.S. Petroleum Equipment and Environmental Services
Company Address:	558 Carter Court, Kimberly, Wisconsin 54136
Company Phone Number:	800-490-4915
Certified Individual:	Mr. Brian Van Pay
Certification Number:	#00816

Site Assessor

Company Name:	Northern Environmental Technologies, Incorporated
Company Address:	954 Circle Drive, Green Bay, Wisconsin 54304
Company Phone Number:	414-592-8400
Certified Individual:	Ms. Karen Schumacher
Certification Number:	#05634

Excavator

Company Name:	U.S. Petroleum Equipment and Environmental Services
Company Address:	558 Carter Court, Kimberly, Wisconsin 54136
Company Phone Number:	800-490-4915

Description of Tanks Removed

See Tables 1 and 2

Number of Tanks Remaining on Site

See Tables 1 and 2

ATTACHMENT C

TANK CLEANING AND DISPOSAL

Northern Environmental℠
Hydrologists • Engineers • Geologists

TANK CLEANING AND DISPOSAL

Method Used to Clean the Tank (Describe)

A hole was cut in the tank and the contents were scraped out.

Final Disposal (attach Disposal Documentation)

Recycled	_____
Scrapped	X
Disposed	_____

Handling of Cleaning Waste Water (attach Disposal Documentation)

Drummed	_____	Water was not used to clean the tank
Taken Off-Site	_____	

Location of Cleaning

On-Site	X
Off-Site	_____
Other	_____

Method of Tank Transport (Describe)

Tank was transported in the back of a dump truck

Documentation of Emergency Waiver to Transport Tank

Not applicable

Contractor Dismantling Tank

Company Name:	U.S. Petroleum Equipment and Environmental Services
Company Address:	558 Carter Court, Kimberly, Wisconsin 54136
Company Phone Number:	800-490-4915

Contractor Transporting Tank:

Company Name:	U.S. Petroleum Equipment and Environmental Services
Company Address:	558 Carter Court, Kimberly, Wisconsin 54136
Company Phone Number:	800-490-4915

Contractor Disposing of Tank:

Company Name:	U.S. Petroleum Equipment and Environmental Services
Company Address:	558 Carter Court, Kimberly, Wisconsin 54136
Company Phone Number:	800-490-4915

ATTACHMENT D

SURPLUS PRODUCT MANAGEMENT

SURPLUS PRODUCT MANAGEMENT

Types of Liquids

No surplus product was present

Quantity of Liquids

No surplus product was present

Final Disposition of Liquids (attach Disposal Documentation)

No surplus product was present

Contractor Storing Liquids

No surplus product was present

Contractor Transporting Liquids

No surplus product was present

Contractor Disposing or Recycling Liquids

No surplus product was present

ATTACHMENT E

TANK SLUDGE MANAGEMENT

TANK SLUDGE MANAGEMENT

Types of Sludge

Water was pumped from the UST prior to removing the UST from the ground. Additionally, approximately 1 cubic yard of 3/4-inch crushed stone was removed from the tank after the tank was removed from the ground. Twenty or more years ago a footing post was set in the ground and into the tank. The footing post hole had apparently been backfilled with crushed stone. The tank was subsequently filled approximately 1/3 full with stone. Because the crushed stone removed from the UST is 3/4-inch stones, it was not possible to collect a sample from this material for laboratory analysis.

Quantity of Sludge

The liquid is contained in five 55-gallon drums. Four of the drums are full. One of the drums is approximately half full.

Approximately 1 cubic yard of crushed stone that was removed from the UST is stored on-site on plastic.

Waste Characterization Data

Containerized water has not been characterized.

Copies of Hazardous Waste Manifests and EPA Generator I.D. Numbers

Containerized water has not been manifested.

Final Disposition of Sludge

Containerized water is currently stored on-site pending disposal arrangements.

Contractor Storing Sludge

Containerized water is currently stored on-site pending disposal arrangements.

Contractor Transporting Sludge

Containerized water is currently stored on-site pending disposal arrangements.

Contractor Recycling or Disposing of Sludge

Containerized water is currently stored on-site pending disposal arrangements.

ATTACHMENT F

VISUAL INSPECTION DATA

VISUAL INSPECTION DATA

Weather

Temperature 70°
Precipitation None

Site Conditions

Surface Staining: None present
Stressed or Dead Vegetation: None present
Previously Undiscovered or Unregistered Tanks: None present

Excavation

Depth: 8 feet
Free Product Present: None present
Obvious Odors: None present
Soil Discoloration: None present
Oil Sheen on Excavation Water (if present): None present

Soil Type of Profile: USCS Classification and Genetic Origin
Native: SM (silty sand) and ML (clayey silty)
Backfill: SM (silty sand)

Free Standing Water: Yes _____ No X
Type (runoff, perched, ground water): _____
Depth to Water (feet below grade): _____

Anticipated Ground-Water Level Based on USGS Topographic Map

20 feet below grade

Tank System Components

See Table 3

Local Ground Water Use

Municipal well

Source of Potable Water Used at Site

The site has no potable water source.

Is Site Connected to Sanitary Sewer System?

The site has no sewer connection.

ATTACHMENT G

BACKGROUND INFORMATION

BACKGROUND INFORMATION

Summary of past and present property use:

The Property was the Waugamie Co-op Feed Mill since at least the 1930s. The building and the Property have been vacant since the late 1980s. The Feed Mill ground and bagged grain at the facility. The facility also housed the Waugamie Farmco Co-op offices and retail facility. The Waugamie Farmco Co-op was situated on a separate property located southeast of the Feed Mill.

Were any USTs previously removed from the site? Description according to WDILHR:

According to WDILHR records, a 4000-gallon leaded gasoline UST was registered for the Feed Mill site. The UST was listed as removed on December 4, 1987. Although the UST was registered to the site, the UST was actually located southeast of the Feed Mill at the former Waugamie Farmco Co-op, which had no address with which to register the UST.

Have tanks or piping been previously integrity tested?

It is unlikely the tank or piping has been previously integrity tightness tested. The tank had been unused for at least 20 years.

Most current date:

Not applicable

Were results satisfactory?

Not applicable

Has the current system ever leaked or had a breach repaired?

Yes	_____
No	_____
Unknown	__X__

If so, When?
Describe:

Have any other environmental concerns ever been suspected or investigated at this site?

Yes	__X__
No	_____
Unknown	_____

If so, When? June 13, 1997
Describe: Northern Environmental performed a Phase I ESA in anticipation of a property transfer.

Summary of Results: Soil samples were collected with a Geoprobe as part of the Phase I ESA. One soil sample was collected near the former UST location to define the lower extent of petroleum-impacted soils identified during the UST Closure Assessment. The sample was collected from 4 to 6 fbg. Laboratory analysis of the sample detected 15 mg/kg GRO. Attempts to collect samples deeper than 6 fbg resulted in no sample recovery.

Has the current system ever been lined?

No

Are other USTs or LUSTs present in the area?

Yes	_____
No	___X___
Unknown	_____

Describe:

Other known on-going investigation or remediation sites in the area?

Numerous chemical spills allegedly occurred southeast of the removed UST at the Waugamie Farmco Co-op's chemical mixing location. An investigation was initiated in 1986 or 1987 to investigate the spills. Monitoring wells were installed within 50 feet of the removed UST as part of that investigation.

Are any of the UST systems described in this UST site assessment believed to have released product?

Yes	___X___
No	_____
Unknown	_____

If so, describe UST and method of determining release:

Laboratory analysis detected petroleum constituents in one soil sample collected beneath the former dispenser associated with the UST.

Has the party responsible for the UST system been notified of the release of his responsibilities under the spill law?

Yes ___X___
No _____

ATTACHMENT H

WDILHR TANK INVENTORY FORMS
AND
CLOSURE CHECKLIST

State of Wisconsin

WI Tank ID#: 44900074

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P.O. Box 7969, Madison, WI 53707

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 (including 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

Personal information you provide may be used for secondary purposes. [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 Materials
7. ☐ Out of Service - Provide Date: _____
8. ☐ Ownership Change (Indicate new owner name in block 2)

RECEIVED JUN 1997 U.S. Petroleum Equipment

Fire Department providing fire coverage where tank is located:
☐ City ☒ Village ☒ Town of Bear Creek

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
City of Bear Creek	100 Rail Rd St	( ) -
☐ City ☐ Village ☒ Town of: Bear Creek	State: WI	Zip Code: 54922	County: Outagamie
2. Tank Owner Name	Mailing Address	Telephone Number
City of Bear Creek	Box 28	
☐ City ☐ Village ☒ Town of: Bear Creek	State: WI	Zip Code: 54922	County: Outagamie
3. Previous Name	Previous site address if different than #1	
4. Tank Age (date installed, if known or years old)	5. Tank Capacity (gallons)	6. If more than one tank is located at facility, please provide tank #
30 +	500	

B. TYPE OF USER (check one)

1. ☐ Gas/Retail Sales 2. ☐ Bulk Storage 3. ☐ Utility 4. ☒ Mercantile/Commercial 5. ☐ Industrial
6. ☐ Government 7. ☐ School 8. ☐ Residential 9. ☐ Agricultural 10. ☐ Other (specify):
11. ☐ Tribal Nation 12. ☐ Federal Property 13. ☐ Backup Generator

C. TANK CONSTRUCTION (check one)

1. ☒ Bare Steel 2. ☐ Cathodically Protected & Coated Steel (Check one: A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (specify): _____
6. ☐ Lined - 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
7. ☒ Manual tank gauging (only for tanks of 1,000 gallons or less) 8. ☐ Statistical Inventory Reconciliation (SIR)

D. PIPING CONSTRUCTION

1. ☒ Bare Steel 2. ☐ Cathodically Protected & Coated Steel (Check one: A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (Specify): 9. ☐ Unknown

Vapor Recovery/Stage II N/A- ☐ CARB #: _____
4. ☐ Fiberglass 6. ☐ Flexible 5. ☐ Other (specify): ☐ Operational - Provide Date (mo/day/yr):

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 4. ☐ Not needed if waste oil

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 8. ☒ SIR

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is pipe double walled? ☒ Yes ☐ No

E. TANK CONTENTS

1. ☐ Diesel 2. ☒ Leaded 3. ☐ Unleaded 4. ☐ Fuel Oil 5. ☐ Gasohol
6. ☐ Other (Specify): _____ 7. ☐ Empty* 8. ☒ Sand/Gravel/Slurry* 9. ☐ Unknown* 10. ☐ Premix
11. ☐ Waste/Used Motor Oil 13. ☐ Chemical _____ 14. ☐ Kerosene 15. ☐ Aviation
(Indicate chemical name and number)

* If 7, 8, 9, or 13 is chosen, this tank is NOT PECFA eligible.

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):	Has a site assessment been completed (see reverse side for details)
6-3-97	☒ Yes ☐ No

Owner or Operator Name (please print):	Indicate whether:
Jacqueline Surprise	☐ Owner or ☒ Operator
Owner or Operator Signature:	**Date Signed**
Jacqueline Surprise Treasurer	6-3-97

IMPORTANT: Failure to provide sufficient information may cause you to fail under additional regulations, and may delay PECFA eligibility determination. It is necessary to complete ALL shaded areas and as many other items as possible.

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	2. Owner Name
City of Bear Creek	
Site Street Address (not P.O. Box)	Owner Street Address
100 Railroad	
☐ City ☒ Village ☐ Town of:	☐ City ☒ Village ☐ Town of: / State / Zip Code
Bear Creek	Bear Creek / WI /
State / Zip Code / County	County / Telephone No. (include area code)
WI / 54922 / Outagamie	Outagamie / ( )

3. Closure Company Name (Print)	Closure Company Street Address
U.S. Petroleum Equipment	558 Carter Ct.
Closure Company Telephone No. (include area code)	Closure Company City, State, Zip Code
(414) 735 8287	Kimberly WI. 54136
4. Name of Company Performing Closure Assessment	Assessment Company Street Address, City, State, Zip Code
Northern Environmental	954 Circle Dr Green Bay WI 54304

Telephone # (include area code)	Certified Assessor Name (Print)	Assessor Signature	Assessor Certification No.
(414) 592-8405	Karen Schumacher	Karen Schumacher	05634

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1.	☒	☐	☐	500	02	☒ 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.	☒ 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	☐	☐

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
BRIAN VAN PAY	Brian Van Pay	00816	6-3-97

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
Carol Schneider	Carol Schneider	00496

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
4419 Beaudette	414-921-6628	6-3-97

ATTACHMENT I

FIELD SCREENING AND SAMPLE PREPARATION METHODS

FIELD SCREENING AND SAMPLE PREPARATION METHODS

Soil samples are collected by or under the direction of a certified Northern Environmental Site Assessor in conformance with Wisconsin Department of Natural Resources (WDNR) September 1992 *Site Assessments for Underground Storage Tanks Technical Guidance* and Chapter ILHR 10, Wisconsin Administrative Code.

Each sample is split into two representative portions: one for field screening, the other for laboratory analysis. Field screening consists of classifying the soil according to the United Soil Classification System, identifying obvious odors and staining, and photoionization detector (PID) headspace screening. PID headspace screening involves transferring the sample to a 16-ounce glass jar, sealing the container, desegregating the sample, and storing it in a relatively warm location for approximately one-half hour. The PID probe is then carefully inserted and the highest stable PID reading occurring within 10 to 20 seconds is recorded in instrument units as isobutylene.

The portion of the sample designated for laboratory analysis is placed in a 2-ounce laboratory prepared glass jar for dry weight analysis and 25 grams is placed in a 2-ounce glass jar for diesel range organics analysis or a 2-ounce methanol preserved jar for gasoline range organics.

All laboratory soil samples are immediately cooled to 4°C for potential laboratory analysis. All samples selected for laboratory analysis are transported under chain-of-custody to a WDNR-certified laboratory.

ATTACHMENT J

LABORATORY ANALYSIS REPORTS AND CHAIN-OF-CUSTODY FORMS

U.S. Oil Co., Inc.

Analytical Laboratory
1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

KAREN SCHUMACHER
NORTHERN ENVIRONMENTAL
954 CIRCLE DRIVE
GREEN BAY WI 54304

Report Date: 11-Jun-97

Project #: USP320554
Project : Bear Creek
Sample ID: S1
Lab Code: 5017184A
Sample Type: Soil
Sample Date: 03-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	81.5			%		06-Jun-97	B.Rettler	1
MODIFIED GRO WDNR SEP 95	< 10	0.58	1.8	MG/KG		10-Jun-97	T. Williams	1

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature

U.S. Oil Co., Inc.

Analytical Laboratory
1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

KAREN SCHUMACHER
NORTHERN ENVIRONMENTAL
954 CIRCLE DRIVE
GREEN BAY WI 54304

Report Date: 11-Jun-97

Project #: USP320554
Project : Bear Creek
Sample ID: S2
Lab Code: 5017184B
Sample Type: Soil
Sample Date: 03-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	84.4			%		06-Jun-97	B.Rettler	1
MODIFIED GRO WDNR SEP 95	< 10	0.58	1.8	MG/KG		10-Jun-97	T. Williams	1

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature

U.S. Oil Co., Inc.

Analytical Laboratory
1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

KAREN SCHUMACHER
NORTHERN ENVIRONMENTAL
954 CIRCLE DRIVE
GREEN BAY WI 54304

Report Date: 11-Jun-97

Project #: USP320554
Project : Bear Creek
Sample ID: S3
Lab Code: 5017184C
Sample Type: Soil
Sample Date: 03-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	94.0			%		06-Jun-97	B.Rettler	1
MODIFIED GRO WDNR SEP 95	25	0.58	1.8	MG/KG		10-Jun-97	T. Williams	1

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

No: 8294

Northern Environmental℠

☐ 1214 W. Venture Ct. Mequon, WI 53092 414-241-3133 FAX 414-241-8222

☐ 372 West County Road D New Brighton, MN 55112 612-635-9100 FAX 612-635-0643

☒ 954 Circle Drive Green Bay, WI 54304 414-592-8400 FAX 414-592-8444

☐ 330 South 4th Avenue Park Falls, WI 54552 715-762-1544 FAX 715-762-1844

☐ 324 East Main Street Waupun, WI 53963 414-324-8600 FAX 414-324-3023

☐ 749 Lakewood Lane Marquette, MI 49855 906-249-4300 FAX 906-249-4311

Check office originating request

5017184

Project No: USP320554 — Task No:

Project Location (city): Bear Creek

Project Manager: Sibyl Lapinski

Sampler (name): Karen Schumacher

Sampler (signature): Karen Schumacher

Sampling Date(s): 6/3/97

Reports to be Sent to: Karen Schumacher

Laboratory: US Analytical

Wisconsin DNR Certification #: 445027660

Laboratory Contact: Mike Ricker

Price Quote:

TURNAROUND TIME REQUIRED

☐ Normal ☒ Rush

Date Needed

Sample Integrity - To be completed by receiving lab

Seal intact upon receipt ☒ yes ☐ no

Method of Shipment courier

Contents Temperature on ice °C Refrigerator No:

ANALYSES REQUESTED

Lab ID No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size & Type	Water	Soil	Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method)	Pb (EPA Method)	PID
5017184 A	S1	6/3	1138	2-2 oz glass		X		Methanol		X						0
B	S2	↓	1141	↓		X		↓		X						16
C	S3	↓	1145	↓		X		↓		X						0

Packed for Shipping by: [signature]

Shipment Date: 6-5-97

Comments: Please rush results - Thank you

Relinquished By: [signature]	Date: 6-5-97	Relinquished By: [signature]	Date: 6-5-97	Relinquished By:	Date:
Company: Northern	Time: 7:50	Company: US Oil	Time: 7:30	Company:	Time:
Received By: [signature]	Date: 6-5-97	Received By:	Date:	Received By: [signature]	Date: 6/5/97
Company: US Oil	Time: 7:45	Company:	Time:	Company: US Oil	Time: 4:30

U.S. Oil Co., Inc.

Analytical Laboratory
1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

SIBYL LAPINSKI
NORTHERN ENVIRONMENTAL
954 CIRCLE DRIVE
GREEN BAY WI 54304

Report Date: 20-Jun-97

Project #: VBC310556
Project : Bear Creek, WI
Sample ID: S103
Lab Code: 5017359A
Sample Type: Soil
Sample Date: 13-Jun-97

Test	Result	LOD	LOQ	Unit	Dilution Factor	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	90.2			%		19-Jun-97	B.Rettler	1
MODIFIED GRO WDNR SEP 95	15	0.58	1.8	MG/KG	1	19-Jun-97	T. Williams	1

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

CODE:

1 All laboratory QC requirements were met for this sample.

Authorized Signature Katherine A. Bachmstadt

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

____ of ____

No: 8308

Northern Environmental℠

☐ 1214 W. Venture Ct. Mequon, WI 53092 414-241-3133 FAX 414-241-8222

☐ 372 West County Road D New Brighton, MN 55112 612-635-9100 FAX 612-635-0643

☒ 954 Circle Drive Green Bay, WI 54304 414-592-8400 FAX 414-592-8444

☐ 330 South 4th Avenue Park Falls, WI 54552 715-762-1544 FAX 715-762-1844

☐ 324 East Main Street Waupun, WI 53963 414-324-8600 FAX 414-324-3023

☐ 749 Lakewood Lane Marquette, MI 49855 906-249-4300 FAX 906-249-4311

Check office originating request

507359

Project No: VBC310556 Task No:	Laboratory: US Oil
Project Location: (city) Bear Creek, WI	Wisconsin DNR Certification #: 445027660
Project Manager: Sibyl Lapinski	Laboratory Contact: Jim Stevens
Sampler: (name) Jenny Boettcher	Price Quote:
Sampler: (signature) Jenny L Boettcher	TURNAROUND TIME REQUIRED ☐ Normal ☒ Rush
Sampling Date(s): 6/13/97	
Reports to be Sent to: Sibyl Lapinski	Date Needed ASAP

Sample Integrity - To be completed by receiving lab
Seal intact upon receipt ☐ yes ☐ no COOLER
Method of Shipment _____
Contents Temperature 4C °C Refrigerator No: _____

ANALYSES REQUESTED

Lab ID No.	Sample No.	Collection Date	Collection Time	No. of Containers, Size & Type	Description Water	Description Soil	Description Other	Preservative	DRO (WI Modified Method)	GRO (WI Modified Method)	BETX (EPA Method 8020)	PVOC (EPA Method 8020)	VOC (EPA Method 8021)	PAH (EPA Method)	Pb (EPA Method)
0 B59A	S103	6/13	907	(2) 2oz (1) solids		X		methanol/ice		X					
↓	~~S105~~	~~X~~				X				X				SAL	
B	S210	6/13	1040	(2) 2oz		X		methanol/ice SAL	X	X					
↓ C	S309	6/13	1113	(2) 2-oz (1) solids		X		methanol/ice	X						

Packed for Shipping by:

Shipment Date:

Comments:

Relinquished By: Jennifer Gerhart	Date: 6/16/97	Relinquished By: Lee Tuleen	Date: 6/16/97	Relinquished By:	Date:
Company: Northern Env.	Time: 7:40AM	Company: U.S. Oil	Time: 5:30	Company:	Time:
Received By: Lee Tuleen	Date: 6-16-97	Received By:	Date: 6-16	Received By:	Date:
Company: U.S. Oil	Time: 7:40AM	Company: U.S.	Time: 5:30	Company:	Time:

COPY

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William R. Selbig, Regional Director

Northeast Region
Remediation & Redevelopment Program
PO Box 10448, 1125 N. Military Avenue
Green Bay, WI 54307-0448
TELEPHONE 414-492-5916
TELEFAX 414-492-5859

July 2, 1997

Village of Bear Creek
Attn: DonaldPfalz
PO Box 28
Bear Creek, WI 54922

SUBJECT: Petroleum Contamination from Underground Storage Tank System
Waugamie Feed Mill Coop (former), 101 WRollo Street, Vil Bear Creek
WDNR LUST ID #03-45-151740

Dear Mr. Pfalz:

On June 26, 1997, the Department of Natural Resources (DNR) received notification from Karen Schumacher of Northern Environmental that petroleum contamination was discovered while performing a tank closure assessment at the above-referenced location.

Based on the information received by the DNR, we believe that the Village of Bear Creek is responsible for restoring the environment at this site under Section 292.11, Wisconsin Statutes (hazardous substances spills law). This responsibility includes first investigating the extent of the contamination, then selecting and implementing the most appropriate remedial action. Enclosed is information to help you understand what you need to do to ensure your compliance with the spills law.

The purpose of this letter is threefold: (1) to describe your legal responsibilities; (2) to explain what you need to do to investigate and clean up the contamination; and (3) to provide you with information about cleanups, environmental consultants, and working cooperatively with the DNR.

Legal Responsibilities

Your legal responsibilities are defined both in statute and administrative code. The hazardous substances spill law, Section 292.11(3) Wisconsin Statutes, states:

> RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Codes NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take

The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and to neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first four steps to take:

1. **By August 10, 1997**, please submit written verification (such as a letter from the consultant) that you have hired an environmental consultant (we would like a contact name, mailing address and phone number). If you cannot meet this timeline, please send a request for an extension, in writing, to the name listed at the bottom of this page, indicating the reason why the timeline cannot be met and when you expect to be able to meet this requirement.

2. **By September 10, 1997**, your consultant must submit a workplan and a schedule for conducting the investigation. The consultant must follow the Department's administrative codes and our technical guidance documents. Please include with the workplan a copy of any previous information that has been completed for your site (such as an underground tank removal report or a preliminary soil excavation report).

3. Please keep us informed of what is being done at your site. You or your consultant must provide us with a brief report **at least every 90 days** starting after your workplan is submitted. These quarterly reports should summarize the work completed since the last report. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. Should conditions at your site warrant, you may receive a letter requiring more frequent contacts with the Department. You will also receive an annual site status report form in February.

4. When the site investigation is complete, your consultant must submit a full report on the extent and degree of soil and groundwater contamination and a proposal for cleaning up the contamination.

Due to the number of contaminated sites and our staffing levels, we will be unable to respond to each report. To maintain your compliance with the spills law and chapters NR 700 through NR 728, do not delay the investigation and cleanup by waiting for DNR responses. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to be familiar with our technical procedures and administrative codes and should be able to answer your questions on meeting Wisconsin's cleanup requirements.

Though a WDNR project manager has not been assigned to this case, your correspondence and reports regarding this site should be sent to the Department at the following address; due to agency reorganization, this could change again in a few months:

Wisconsin Department of Natural Resources
Attn: Dino Tsoris (414-424-7887)
Box 2565
Oshkosh, WI 54903

If the contamination doesn't include groundwater contamination, the responsibility for governmental oversight of this site will be transferred to the Department of Commerce in accordance with Wisconsin Act 27.

Unless otherwise requested, please send only one duplexed copy of all plans and reports. Correspondence and reports should be identified with the assigned WDNR ID number and name of the site, which can be found on the first page of this letter.

Information for Site Owners

Enclosed is a list of environmental consultants and some important tips on selecting a consultant. If you are eligible for reimbursement of costs under Wisconsin's PECFA program (see last paragraph), you will need to compare at least three consultants' proposals before hiring a consultant. Consultants and laboratories working in the PECFA program are required to carry errors and omissions insurance to help protect you against unsuitable work. Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. This information has been prepared to help you understand your responsibilities and what your environmental consultant needs to do. Please read this information carefully.

Financial Information

Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. The fund is administered by the Department of Commerce (DCOM). Please contact DCOM at (608) 266-2424 for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,

Janis DeBrock

Janis DeBrock, Program Assistant
(414-492-5878)

Enc: Selecting An Environmental Consultant; Consultant List
Controlling UST Cleanup Costs Factsheets
Quarterly Updates for Cleanup of Contaminated Properties
Cleanup Process for Emergency & Remedial Response Program
Cleanup Methods for Petroleum Contaminated Soil & Groundwater

cc: Karen Schumacher, Northern Environmental, 954 Circle Drive, Green Bay, WI 54304

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Wisconsin Department of Natural Resources USP320554
6/26/97

Notification of Petroleum Contamination from Underground Storage Tank System

Please complete this form and FAX it to the appropriate DNR contact person listed on the back page of this form immediately upon discovery of a release from an UST system.

TO: DNR, Attn: Janis DeBrock
FAX #: 414-492-5859

1. Name, company, mailing address and phone number of person reporting the discharge:

Karen Schumacher
Northern Environmental
954 Circle Dr.
Green Bay WI 54304

03-45-151740

2. Site Information

Name of site at which discharge occurred (local name of site/business, not responsible party name – unless a residence):

Former Waugamie Feed Mill Co-op

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., ¼ mile NW of CTHs 60 & 123 on E side of CTH 60):

101 West Rollo Street, Bear Creek WI 54922

Municipality (city, village, township in which the site is located - not mailing address):

Village of Bear Creek

County:

Outagamie

Legal Description: NW ¼, NE ¼, Section 30, Tn 24, Range 15 (E) W

3. Responsible Party (RP) and/or RP Representative Information

Company Name: Village of Bear Creek

Contact Person: Donald Pfalz

Mailing Address (with zip code): P.O. Box 28, 109 Prospect St.
Bear Creek WI 54922

Telephone Number:
715-752-4508

4. Identity, physical state and quantity of the hazardous substance discharged (check all that apply):

____	Unleaded gasoline	____	Fuel oil
X	Leaded gasoline	____	Waste oil
____	Diesel	____	Other ____

5. Impacts to the Environment (enter "K" for known or "P" for potential for all that apply):

_____ Fire / explosion threat	__K__ Soil contamination
_____ Contaminated private wells (# of wells _____)	_____ Surface water impacts
_____ Contaminated public wells	_____ Floating product
_____ Groundwater contamination	_____ Other _____

6. Contamination was discovered as a result of:

__X__ Tank closure assessment ____ Site Assessment ____ (Other) _____

On what date: _____

Additional Comments:

FAX numbers to report LUST sites in DNR's six districts:

Lake Michigan District: 414-492-5859 Attn: Janis DeBrock
(Florence, Marinette, Oconto, Menominee, Shawano, Waupaca, Outagamie, Brown, Door, Kewaunee, Waushara, Winnebago, Calumet, and Manitowoc Counties)

North Central District: 715-365-8932 Attn: Janet Kazda
(Vilas, Oneida, Forest, Lincoln, Langlade, Marathon, Wood, Portage, Juneau, and Adams Counties)

Northwest District: 715-635-4105 Attn: Susie Sutton
(Douglas, Bayfield, Ashland, Iron, Burnett, Washburn, Sawyer, Price, Polk, Barron, Rusk, and Taylor Counties)

Southern District: 608-275-3338 Attn: Marilyn Jahnke
(Marquette, Green Lake, Richland, Sauk, Fond du Lac, Columbia, Dodge, Dane, Jefferson, Grant, Iowa, Lafayette, Green, and Rock Counties)

Southeast District: 414-229-0810 Attn: Giselle Red
(Sheboygan, Washington, Ozaukee, Waukesha, Milwaukee, Walworth, Racine, and Kenosha Counties)

Western District: 715-839-6076 Attn: John Grump
(St. Croix, Dunn, Chippewa, Pierce, Pepin, Eau Claire, Clark, Buffalo, Trempealeau, Jackson, LaCrosse, Monroe, Vernon, and Crawford Counties)

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Department of Natural Resources

LEAKING UNDERGROUND STORAGE TANK (Case Tracking)
Form 4400-146 Rev. 2-93

PROJECT MANAGER:

UID Number: 03-45-151740 | FID Number: | PMN Number:

County: Outagamie
Site Name: Waupaca Feed Mill Co-op (former)
Address: 101 W. Rollo Street

Municipality: Bear Creek Vil
Legal Descript.: NW 1/4 NE 1/4 sec. 30 T 24 N R 15 (E/W)
Lat.: _____ Long.: _____

Initial Contact Date: 6/26/97
Date RPLetter Sent: 7/2/97
~~Date Closure Approved~~: ___/___/___

Person/Firm Reporting: Northern Environmental
Phone Number: ( )

Priority Screening
___ 1 = High
___ 2 = Medium
___ 3 = Low
X 4 = Unknown

Scoring Criteria
1. _____
2. _____
3. _____
4. _____
5. _____

Score: _____ Init.: _____ Date: ___/___/___

Funding Source
___ 1 = RP
___ 2 = LTF
___ 3 = EF
___ 4 = Other

Effective Date
___/___/___
___/___/___
___/___/___
___/___/___

LUST Trust Eligible
___ 1 = Federal
___ 2 = Non-Federal

Case Status

	Start Date	End Date
___ (F) Free Product Removal	___/___/___	___/___/___
___ (E) RP Emergency Response	___/___/___	___/___/___
___ (R) LTF Emergency ~~Response~~	___/___/___	___/___/___
___ (L) ~~Long~~ Term Monitoring	___/___/___	___/___/___

Responsible Party
Contact Person: Donald Pfalz
Company Name: Village of Bear Creek
Address: PO Box 28
Bear Creek WI 54922
Phone Number: (715) 752-4508

CC's: _____

Impacts
Enter "~~P" for potential and~~ "K" for known
___ (1) Fire/Explosion Threat
___ (2) Contaminated Private Well(s) _____ # of Wells
___ (3) Contaminated Public Well
___ (4) Groundwater Contamination
X (5) Soil Contamination
___ (6) Other: _____
___ (7) Surface Water Impacts
___ (9) Floating Product

Consultant
Contact Name: _____
Company Name:: _____
Address: _____
Telephone: ( )

Substances	# Tank(s)	Size
___ (1) Leaded Gas		
___ (2) Unleaded Gas		
___ (3) Diesel		
___ (4) Fuel Oil		
___ (5) Unkwn Hydrocrbn		
___ (8) Other _____		
___ (12) Waste Oil		

Unique ID # _____

LUST ACTION CODES

01 = Notification
02 = RP Letter Sent
11 = Activity Closed
37 = SI Report Rec'd
41 = RA Report Rec'd
48 = NR140 Exemp Closure
50 = Site Closed w/GW Use Restriction
51 = Deed Affidavit at Closeout
52 = Deed Restriction at Closeout
53 = Deed Affidavit for Enforcement
54 = Activity transferred to DATCP
55 = Closed w/NR720.19 soil standards
58 = Enforcement Start
59 = Enforcement End
61 = NR718 Landspreading Request
62 = NR718 Landspreading Approval
70 = Emergency Response Start
71 = Emergency Response End
74 = Long Term Monitoring Start
75 = Long Term Monitoring End
76 = Activity Transferred to DCOM
77 = Free Product Removal Start
78 = Free Product Removal End
79 = Closure Review Requested
85 = NR720.19 Performance Based Closure
87 = Closeout under NR726.07
89 = DCOM transferred activity back to DNR

Code	Action Date	Comment
1	6/26/97	
2	7/2/97	SIWP due 9-10-97
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