03-09-001040 file

WISCONSIN
DEPT. OF NATURAL RESOURCES
George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

2004 Highland Avenue
Eau Claire, WI 54701-4346
TELEPHONE 715-839-3777
TELEFAX 715-839-1605

February 4, 1994

File Ref: 4440
Chippewa County

Mr. Robert Ewer
Ewer's Store
LH4509, Hwy. 27
Holcombe, WI 54745

SUBJECT: Site Closure for Ewer's Store Located on Highway 27, Holcombe, WI

Dear Mr. Ewer:

I have submitted a site closure request to our District Close-Out Committee for the above-captioned site. Based on the data submitted by Alan Bishop of Cedar Corporation, the committee recommended that this site undergo closure.

Closure is intended to mean that currently available information indicates that this site does not pose a threat to the environment. Be aware that if future data indicates that current or pre-existing activities on this site have created a threat to the environment, this Department reserves the right to request additional information and remediation.

If you have any questions concerning this letter, please contact me at (715) 839-3775.

Sincerely,

John R. Grump

John R. Grump
Hydrogeologist

JRG/ah

c: Bill Evans
Alan Bishop, Cedar

WD CASE SUMMARY AND CLOSE-OUT FORM

CLOSE-OUT OPTION:(Circle one) (Committee) Fast Track SITE I.D. NO. 1040

SITE NAME Ewer's Store PROJECT MANAGER John Grump

LOCATION Highway 27, Holcombe, WI PRIORITY High Medium (Low)

TYPE OF DISCHARGE (LUST) Spill Other _____ Unknown

CONTAMINATION PRESENT IN (Soil) Groundwater Other _____ Unknown

CONTAMINANT TYPE Gasoline DISCHARGE VOLUME Unk

POTENTIAL RECEPTORS: Groundwater, Lake Holcombe

DATE OF SITE DISCOVERY 5/24/93 CONSULTANT Cedar Corporation

SOIL TYPE(S) Silty sands DEPTH TO BEDROCK/ROCK TYPE Unk

DEPTH TO GROUNDWATER/DIRECTION OF FLOW ≈66 ft

CASE SUMMARY: Surface spills in vicinity of fill pipe on 2,500 gal gas tank is believed to be responsible for soil contamination. Approximately 75 yds^3 of contaminated soil were removed and thermally treated. Post excavation samples were all ND.

(Details of contamination are on the back of this page.)

COMMITTEE RECOMMENDATION:

1. CLOSE OUT Signatures APPROVAL Larry Schafer, Douglas Joseph, Bill Evans, James E Rodtcheer DATE 2-3-94

OR:

2. ADDITIONAL WORK REQUIRED

DEGREE OF CONTAMINATION

SOIL:
Extent defined? (Yes) No NA

(Lab Analyses) Field Analysis No Data Number of sampling points? 12

Contaminant	PPM	Contaminant	PPM
GRO	ND		
BTEX	ND		

Post-remediation Concentration

Remedial action taken:
Over-excavated contaminated soils and thermally treated.

GROUNDWATER:
Extent defined? Yes No (NA) Lab Analyses Field Analysis No Data

Groundwater monitoring: Permanent Wells Yes No Temporary Wells Yes No

Number of sampling points? _____

Contaminant	Post-remediation Concentration	Applicable Standard ES	PAL

Remedial action taken:

I certify that, to the best of my knowledge, the information presented on and attached to this form is true and accurate. This recommendation for case closure is based on all the available data as of

_____ *(date) and is submitted by* _____

(Please print and sign your name)

_____ *of* _____ *(firm).*

WISCONSIN
DEPT. OF NATURAL RESOURCES
George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

2004 Highland Avenue
Eau Claire, WI 54701-4346
TELEPHONE 715-839-3777
TELEFAX 715-839-1605

February 25, 1994

File Ref: 4440
Chippewa County

Mr. Robert Ewer
LH4509 Highway 27
Holcombe, WI 54745

SUBJECT: Form 4 for Completed Remedial Action at Ewer's Store Located in Holcombe, WI

Dear Mr. Ewer:

I am enclosing a signed Form 4 for the completion of the Remedial Action at the above-captioned site. During the removal of underground storage tanks, contaminated soil was discovered. Subsequent to this discovery, the petroleum contaminated soil was overexcavated and thermally treated. Based on laboratory data from post-excavation soil samples, this site has been remediated.

This Department was properly notified when a contaminant release was discovered. No Lust Trust Funds were expended nor is any enforcement action pending for this site.

If you have any questions concerning this letter, please contact me at (715) 839-3775.

Sincerely,

John R. Grump

John R. Grump
Hydrogeologist

JRG/ah

Enclosure

c: Bill Evans
Alan Bishop, Cedar
Miles Mickelson, DILHR

Wisconsin Department of Industry,
Labor and Human Relations
Safety and Buildings Division

FORM 4
DNR SITE INVESTIGATION AND REMEDIAL ACTION PLAN REVIEW

Bureau of Petroleum Inspection
and Fire Protection
P.O. Box 7969
Madison, WI 53707
(608) 267-4545
(608) 267-7538
(608) 266-9420

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that the site investigation and remedial action plan is adequate to meet requirements of s. 144.76, Wis. Stats. The DNR approval is created for the purpose of meeting the requirements of s. 101.143 (3), Wis. Stats., only and does not bar the DNR from requiring that additional investigation and/or remediation activities be performed by persons responsible under s. 144.76, Wis. Stats.

DNR Use Only

Any DNR / DOJ Enforcement Action(s) or DNR LUST Trust Expenditures on this site? ☐ Yes ☒ No

If answer is yes, please provide pertinent details on attached sheet.

Claimant's Name	Remedial Action Site Name (if business)
ROBERT EWER	EWER'S STORE
Street Address	**Remedial Action Site Address**
LH4509 HIGHWAY 27	LH4509 HIGHWAY 27
City, State, Zip Code	**City, State, Zip Code**
HOLCOMBE, WI 54745	TWSP. LAKE HOLCOMBE, WI 54745
Claimant's Telephone Number	**Telephone Number of Site**
(715) 595-4268	(715) 595-4268

Claimant is
☒ Owner ☐ Operator ☐ Other - please specify:

Approval requested for: ☒ Petroleum Product Storage System ☐ Home Oil Tank System ☐ Aboveground

FOR DNR USE ONLY (Indicate Whether Completed Remedial Action or Other Action(s))

A copy of this completed document must be submitted to DNR for approval of initial activities (emergency action, site investigation and remediation) in accordance with s. 101.143 (3) (c) 4, Wis. Stats.

☒ Completed Remedial Action (complete cleanup and single claim for reimbursement) (Steps 1 through 3)

Progress Payments For:

☐ Emergency Action (Step 1 - check only if emergency action was performed)

☐ Completion of Site Investigation (Step 1) and Proposed Remedial Action Plan (Step 2)

☐ Remedial Action (Step 3)

☐ Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (Step 4)

☐ Site Investigation **By Order** of DNR And/Or DILHR - No Remedial Action

Check Appropriate Box(es)

The DNR received a request for approval of the above identified activities for the site listed on this document on the following date 11/18/93.

The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.

Remedial action activities conducted by owners/operators are not eligible for funding under 42 USC 6991 (L.U.S.T. Funding). (See s. 101.143 (3) (a) 2., Wis. Stats.)

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

Reviewer's Signature Jon L Gray Date Signed 12/9/93

Reviewer's Title Hydrogeologist

Tank Closure, Environmental Site Assessment and Remedial Action Report for Robert Ewer Township of Lake Holcombe, WI

Site: Ewer's Store
LH4509 Highway 27
Holcombe, WI 54745

July, 1993

Alan J. Bishop
Certified Site Assessor

TABLE OF CONTENTS

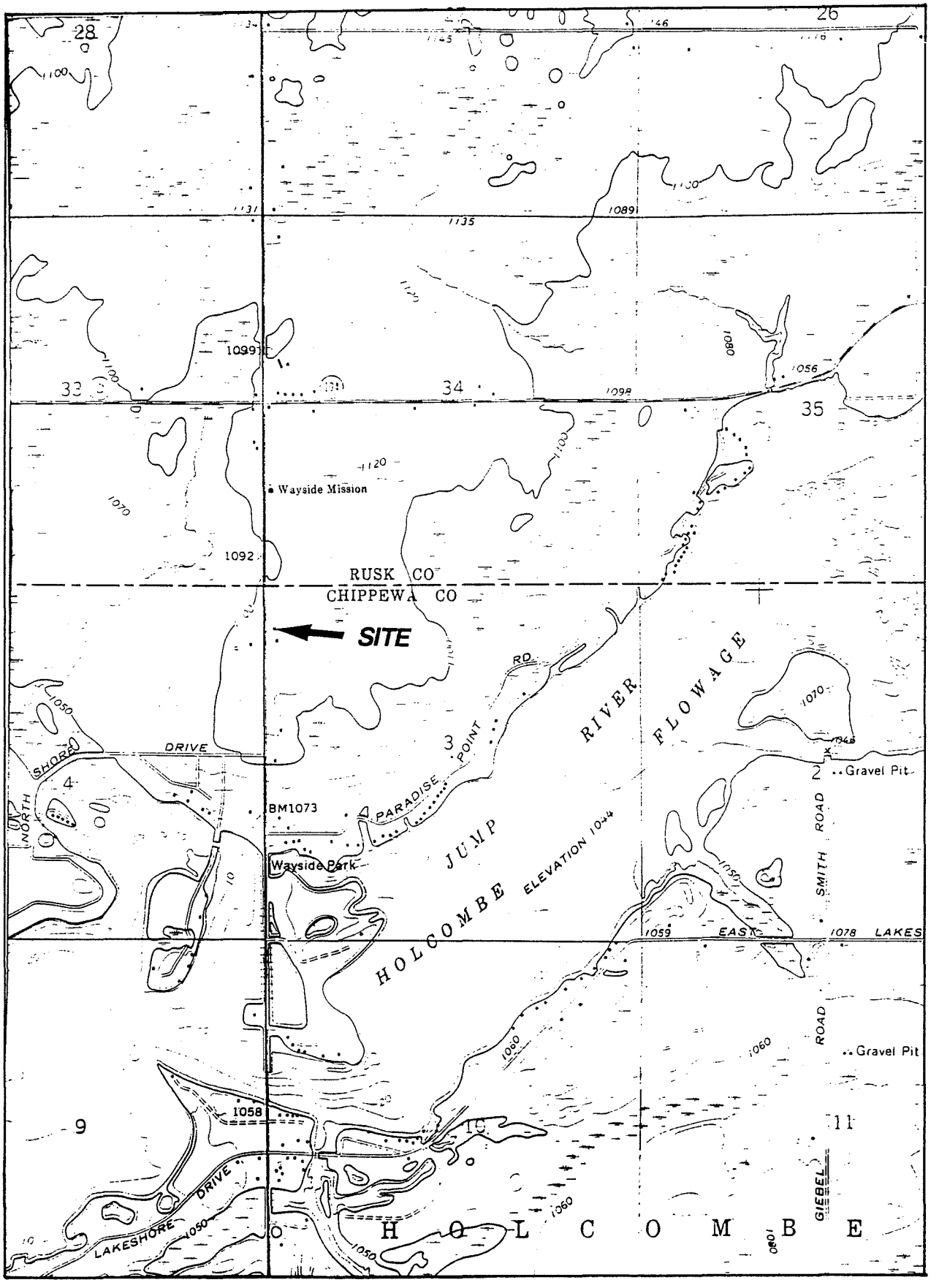
APPENDICES

TABLES

I. INTRODUCTION

In late May 1993, Robert Ewer requested that Cedar Corporation perform the site assessment procedures during the removal of two (2) underground storage tanks located at Ewer's Store in the Township of Lake Holcombe, Wisconsin. The site is located at LH4509 Highway 27 in the Township of Lake Holcombe, Wisconsin (Figure 1).

Tank Owner/Location:	Ewer's Store Attn: Robert Ewer LH4509 Highway 27 Holcombe, WI 54745 715-595-4268
Excavating Contractor:	Baughman Excavating Attn: Keith Baughman Highway 194 Sheldon, WI 54766 715-452-5155
Tank Removal and Cleaning Services:	Eau Claire Equipment Company 2620 Davey Street Eau Claire, WI 54701 715-832-2987
Certified Tank Removal & Cleaning Technicians:	Leo Kurkowski, Kent Marsh
DILHR Agent:	DILHR Attn: Darrell Christy 13 East Spruce Street Chippewa Falls, WI 54729 715-726-2542
Certified Site Assessor:	Alan J. Bishop (CSA-00028), Appendix A Cedar Corporation 604 Wilson Avenue Menomonie, WI 54751 715-235-9081



SCALE 1 : 24,000 **SITE LOCATION MAP** **FIGURE 1**

II. BACKGROUND HISTORY/GENERAL GEOLOGY

The site has been used as a retail gasoline, grocery and fishing bait sales business for approximately 20 years. Gasoline has been stored in underground storage tanks at the site since the station opened. In approximately 1973, Robert Ewer opened the Ewer's Store bait/gasoline sales business. As the gasoline USTs (installed in approximately 1973) had reached the maximum installation age set forth in the state regulations (ILHR 10), Robert Ewer decided to remove them at this site in the spring of 1993. Two USTs were installed to replace these tanks soon after their removal.

The building is located in the Township of Lake Holcombe as indicated in Figure 1. More accurately, the property is found in the Northwest 1/4 of the Northwest 1/4 of Section 3, Township 32 North, Range 6 West. The building is on a topographic high which is sloping south to the Holcombe Flowage (Jump River) and is in a rural setting. The site is aggregate to provide a driving surface for the site's business traffic.

The site area surface soils consist of glacial ground moraine. The river valleys and related terraces consist of alluvial sands. The plateau areas generally are underlain by glacial materials including tills and outwash plains. Surface soil development includes the Freeon silt loam. These are characteristically found to overlie granite on side slopes and knolls on ground moraines. Also found in this area are the Magnor and Auburndale silt loams which are similar to the Freeon association.

Pleistocene sediments in the site area are mapped as the Copper Falls Formation (Pleistocene Stratigraphic Units of Wisconsin, Mickelson et al., 1984-87). The Copper Falls consists of glacial till deposits. Color ranges from dark reddish brown to reddish brown and it is classified as a gravelly sandy loam. These sediments were deposited by the late Chippewa or St. Croix glacial advances and are considered to be Wisconsin in age. The Pleistocene sediments overlie early Proterozoic granite intrusive rocks.

Groundwater in the area is considered to be at or near the elevation of the Holcombe Flowage (Jump River) located 3,000 feet to the south. Using a water elevation of 1,044 feet and a 1,110 foot site elevation, the depth to groundwater is estimated to be 66 feet. This does not preclude the presence of perched aquifers or extremely high gradient water tables in the area. However, groundwater was not evident during the tank closure proceedings, nor is there evidence in the local area of shallow groundwater.

III. TANK CLOSURE PROCEEDINGS

The area DILHR official (Darrell Christy) was notified of the scheduled time of removal, however, he was not on-site to observe the removals. Prior to removal, the tanks were inspected for the presence of any remaining product and were each found to contain approximately 2 inches of product which was pumped by Eau Claire Equipment Company and reused. Table 1 presents a breakdown of the tanks according to number, size, contents, and location.

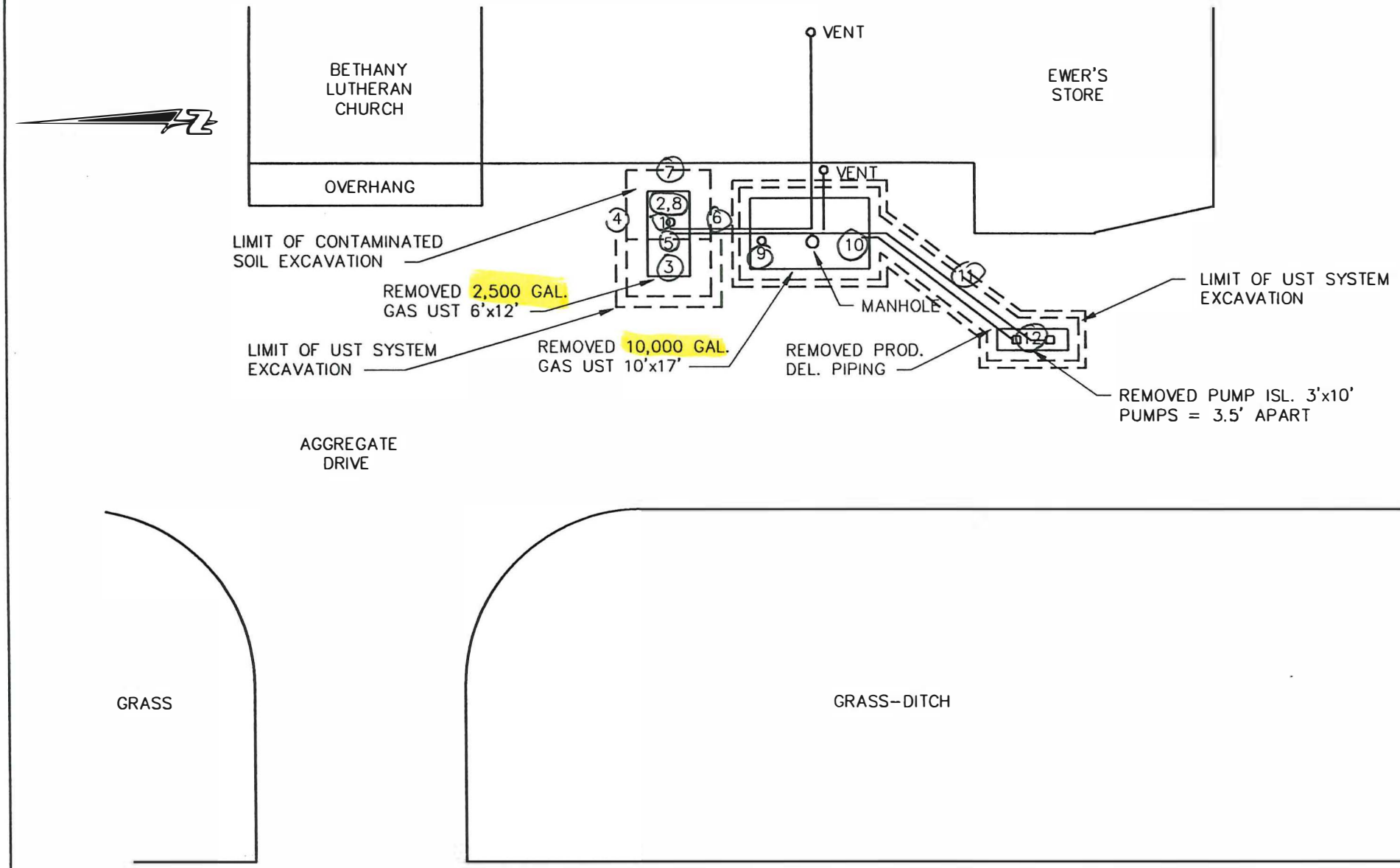
Table 1

Tank Information

Tank No.	Gallons	Dimensions	Product	Location
1	2,500	6'x12'	Gas	N. UST
2	10,000	10'x17'	Gas	SW UST

On May 24, 1993, the tank removal process commenced at 9:00 a.m. with the removal of the cover fill on Tank No. 1, 2,500 gallon gasoline UST (12 feet long, 6 feet in diameter) by Baughman Excavating personnel and machinery. The product delivery piping was found to be running away from the UST and was also removed. Once exposed, the tank openings were cleared and a vent pipe connected. Purging and inerting of the tank with carbon dioxide gas was then completed by the Eau Claire Equipment Company. Upon completion of inerting, the tank was sealed. Tank No. 2 was also removed on May 24, 1993, and in the same manner as described above.

Once the tanks were adequately purged and inerted, they were removed from the tank bed using the backhoe. Removal was achieved by attaching lifting lines to the backhoe bucket and the tank and in a manner such that any remaining product was not allowed to escape to the environment. During the UST removals, a brown silty gravelly sand was encountered from surface to the maximum excavation depth of 14 feet. These are placed in the SW category of the USCS. Soil samples were acquired at those locations as identified on Figure 2. Sampling, field screening, laboratory sample handling, and analytical procedures are presented in Appendix B.



KEY

1,2,3... = SOIL SAMPLES

architects engineers land surveyors planners
cedar corporation
604 wilson avenue menomonie, wisconsin 54751 715-235-9081
Fax Number 715-235-2727 WATS 800-472-7372

DRAWN BY: SJR	EWER'S STORE SITE FEATURES PLAN HOLCOMBE, WI	CHECKED BY: AJB
DATE: 06/08/93		JOB NO.: 1689-001-60
REVISED BY/DATE:		SHEET NO.: 1
SCALE: 1" = 20'		

Upon removal, the USTs were inspected for holes or signs of leakage by visual observation and scraping rusted areas and patches of earth remaining on the tanks. No holes were observed in either of the tanks, however, a small amount of spillage/overfill was detected in the soils on and around the 2,500 gallon UST. After inspection, the tanks were hauled to the Eau Claire Equipment Company site and were cleaned. The tanks were not cleaned on-site for public safety reasons. The USTs were then transported by truck to the Max Phillips and Sons scrap yard at 3532 White Avenue in Eau Claire where they were used for scrap metal (Appendix E - Tank Inventory).

During the soil removal process, hydrocarbon contamination was identified in the soils around and under tank No. 1 by field screening (Figure 2). The contamination was obvious as a petroleum product and identified by odor as gasoline. This contaminated soil was excavated and stockpiled on and covered with plastic at the site as new USTs were scheduled to be installed at the site later that week. No obvious gasoline soil contamination was observed beneath tank No. 2, under the removed product piping, or under the product dispensing pumps. The contamination at the site was reported to Mr. John Grump (WDNR) on May 24, 1993.

As the excavations reached 13 and 14 feet of depth respectively, no one was allowed to enter and soil sampling was completed from the backhoe bucket while hard hats were worn to insure for the safety of the personnel working on the project.

Upon completion of the field evaluations and soil sampling procedures, Baughman Excavating was instructed to backfill the excavation using the excavated clean soils, as well as additional clean fill material. The excavations were backfilled and compacted.

IV. ENVIRONMENTAL SITE ASSESSMENT

Soil samples were acquired for field screening from beneath each end of the USTs, under each 20 length of product delivery piping and midway under the product dispensing pumps, as well as from the contaminated soil stockpile and bottom and sidewalls of the excavation (17 field screened samples). Of these, twelve (12) soil samples were sent to the laboratory for further analysis. This was done to meet DILHR closure assessment requirements as the tanks are state regulated, as well as to document over excavation of the contaminated soils. Results of the field screening and laboratory analytical results are presented in Table 2. Analytical reports are included in Appendix C. Soil sample collection, tool cleaning, and field screening procedures are presented in Appendix B.

TABLE 2
EWER'S STORE
SOIL SAMPLE ANALYSES
(Values in Parts Per Million)

Plan Sample No.	Lab Sample No.	PID IU *	GRO	Benzene	Toluene	Ethyl– benzene	Xylenes	Sample Depth/ Location
1	No. 1	3,398	810	<0.16	3.3	3.8	38.0	3', E. End 2,500 UST
2	No. 2	191	23	---	---	---	---	10', E. End 2,500 UST
3	No. 3	0	<10	---	---	---	---	10', W. End 2,500 UST
4	No. 4	0	<10	<2.0	<2.0	<2.0	<2.0	13', N. Wall Exc.
5	No. 5	0	<10	<2.0	<2.0	<2.0	<2.0	13', W. Wall Exc.
6	No. 6	0	<10	<2.0	<2.0	<2.0	<2.0	13', S. Wall Exc.
7	No. 7	0	<10	<2.0	<2.0	<2.0	<2.0	13', N. Wall Exc.
8	No. 8	0	<10	<2.0	<2.0	<2.0	<2.0	13', Mid. Bottom Exc.
9	No. 9	0	<10	---	---	---	---	14', N. End 10,000 UST
10	No. 10	0	<10	---	---	---	---	14', S. End 10,000 UST
11	No. 11	0	<10	---	---	---	---	4', Mid. Piping Run
12	No. 12	0	<10	---	---	---	---	4', Mid. Under Prod. Pumps
A	---	3,110	---	---	---	---	---	15 Yd. Exc.
B	---	2,796	---	---	---	---	---	30 Yd. Exc.
C	---	486	---	---	---	---	---	45 Yd. Exc.
D	---	2,016	---	---	---	---	---	60 Yd. Exc.
E	---	521	---	---	---	---	---	75 Yd. Exc.

* IU = Instrument Units – Calibrated to 100 ppm isobutylene in air.
--- = Not laboratory analyzed.
Complete analytical reports can be found in Appendix C.

In-field observations of the soils suggest that the contaminants were introduced at the fill pipe of tank No. 1 probably as a result of tank overfilling and spillage during filling. Determination of the presence of contamination was completed with the aid of a photoionization detector (PID) as described in Appendix B. Instrument data for the PID is also presented in Appendix B. Those samples split for laboratory analysis (Nos. 1 - 12) were analyzed for GRO (gasoline range organics) utilizing the WDNR modified GRO Method. Samples 1, and 4 through 8 were also analyzed for volatile organic compounds using Method PVOC 8020. These methods are fully discussed in DNR Document PUBL-SW-130-92REV (see Appendix B). The results of the field screening and laboratory analyses are presented in Table 2.

Laboratory analysis of soil samples No. 3 through 12 indicate GRO values of less than 10 parts per million (ppm). These samples were collected from beneath the west end of tank No. 1 under each end of tank No. 2, under the product delivery piping, and product dispensing pumps, and from the sidewalls and base of the contaminated soil excavation. However, analysis of soil samples No. 1 and 2 for GRO indicate values of 810 and 23 ppm present, respectively. These samples were collected at east end of tank No. 1 at 3' and 10' of depth, respectively, and were excavated. Moderate levels of toluene, ethylbenzene, xylenes and the trimethylbenzenes were also detected (3,300, 3,800, 38,000, 30,000 and 9,700 ppm, respectively) at Sample No. 1. The WDNR and EPA suggest that GRO contamination above 10 ppm may be hazardous to human health.

The contamination was observed to be present from near the surface around the fill pipe of tank No. 1 to a maximum depth of 12.5 feet below surface. Soil contamination was not obvious 13 feet below surface, under the contaminant sources (fill pipe at tank No. 1). No hydrocarbon contamination was observed in the soil samples collected from the bottom and sidewalls of the excavation through field screening or laboratory analysis. Also, contamination was not detected in the soils beneath tank No. 2, the removed product delivery piping or removed product dispensing pumps.

Groundwater is not believed to be contaminated at the site due to the depth to groundwater and the levels of soil contamination determined at depth. Based on there reasons, it is believed that no further investigation is required at the site.

V. CONTAMINATED SOIL HANDLING

An estimated 65 to 75 cubic yards (90 to 105 tons) of contaminated soils were stockpiled on site for future remediation. As an asphalt plant (Clean Soils, South St. Paul, Minnesota) approved for petroleum soil remediation was the lowest cost remediation facility accepting contaminated soils, this remedial action was considered the most cost-effective and efficient method. The soils will be hauled to the Clean Soils yard for remediation when the required approvals can be obtained. A copy of this approval is included in Appendix D.

VI. CONCLUSIONS AND RECOMMENDATIONS

The tank closures at Ewer's Store have been completed and minor soil contamination has been stockpiled for remediation. Laboratory analyses of soil samples collected from the sidewalls and bottom of the excavation indicate that all contaminated soils have been excavated. Based on the results, Cedar Corporation recommends no further investigation or remediation procedures be completed at this site and that closure be granted these abandonments by removal.

VII. LIMITATIONS

Cedar Corporation has completed, or observed the completion of, the services provided during this closure assessment. Laboratory analyses are reported within the accuracy of the method employed. Cedar Corporation reserves the right to alter the opinions expressed herein should additional information pertaining to the environmental quality of this site become available.

APPENDIX A

SITE ASSESSOR CERTIFICATION

The State of Wisconsin

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

Certification

Expiration Date:	Certification Number:
05/01/94	00028

Activity:

SA

Name:

ALAN J BISHOP

APPENDIX B

PROCEDURES

SOIL SAMPLING AND SAMPLE HANDLING PROCEDURES

SAMPLE COLLECTION:

Soil samples are recovered at various depths and locations as directed by the hydrogeologist on location during the investigation. Samples are recovered using clean stainless steel sampling devices which are cleaned between each sampling event by personnel trained in sampling procedures.

At the desired sample location, a soil sample is immediately collected from the split spoon sampler with a clean sampling device in a one quart glass jar for field screening and, if desired, a split sample is collected in a four ounce jar with a teflon lined septum for laboratory analysis. Disposable latex gloves are worn during all sampling procedures.

Personal protective equipment including latex disposable gloves, safety glasses, boots, hard hats, and organic vapor masks are provided and work as necessary as protection from potential contaminants.

TOOL CLEANING METHODS

Any tools used in a sampling event (soil or groundwater) are thoroughly cleaned between each sampling event to eliminate potential cross-contamination of samples. An alconox detergent and hot water solution is used along with a scrub brush to remove residual contaminants that may be present on the device. After all potential contaminants are believed to have been removed, a triple rinse of deionized water is used to remove the detergent solution. The tools are then placed on a clean surface to air dry.

SAMPLE PRESERVATION METHODS

Samples that are to be laboratory analyzed are placed in a cooler with ice to reduce the sample temperature to 4° Celsius. In the laboratory, samples are stored in a refrigerated location to minimize volatilization of contaminants.

FIELD SCREENING:

Soil samples covered at various depths and locations as directed by the hydrogeologist during the investigation are logged and field screened using a Photovac Microtip MP-1 PID (photoionization detector) with a 10.6eV lamp. Field screening is completed using the "Headspace Method" wherein sufficient sample is taken to half fill a one quart glass jar. The jar is then tightly sealed with aluminum foil, agitated to break up the soil, and slightly warmed to encourage the release of the volatiles. After a suitable waiting period as defined in Wisconsin Administrative Code ILHR 10, the foil is pierced and the sampling probe of the PID introduced into the "headspace" and an analysis of the vapor in the jar is completed.

FIELD SCREENING DATA SHEET

Instrument make and model:	Microtip MP-100 PID
Lamp energy in electrovolts:	10.6 eV
Date of last factory calibration:	12-92
Date of last field calibration:	5-24-93
Field calibration gas:	Isobutylene
Concentration:	100 ppm
Site location:	Township of Lake Holcombe
Site name:	Ewer's Store
Instrument operator:	Alan J. Bishop
Weather conditions:	50° F., Light Rain
Ambient air temperature where samples are warmed:	68° F.
Field cleaning or repairs:	None

SOIL SAMPLING FOR LABORATORY ANALYSES

If a soil sample is to be laboratory analyzed, a sample is taken and the sample is sealed in a glass jar having a teflon lined septum. The analytical laboratory provides clean sample jars. WDNR Analytical Guidance, April, 1992, PUBL-SW-130 92REV is used for sampling and analytical guidance for GRO and DRO analysis. For GRO analyses, some 25 grams of soils are preserved in methanol in 60 ml capacity sample containers. For DRO analyses, a tared 60 ml capacity sample container is filled. VOC and PVOC samples are collected in 4 ounce sample jars as are samples collected to determine dry weight for GRO and DRO analyses. The pertinent sample data is recorded on the label and the sample is transferred to a cooler to maintain a sample temperature of 4° Celsius. The pertinent information is completed on the chain-of-custody document and the cooled sample is then transported to an analytical laboratory with the completed chain-of-custody document.

LABORATORY PROCEDURES

For this project the soil samples were sent to a Wisconsin Department of Natural Resources certified laboratory, National Environmental Testing, Inc. of Rockford, IL (certification number 999-447-240). The samples were analyzed utilizing those methods as determined from the LUST Analytical Guidance, WDNR, April, 1992, PUBL SW-130-92REV. The methods, as specified in the main body of the report, are defined in the EPA Manual Methods (EPA SW-846) which fully describes the procedures for each method. These procedures include specific quality control criteria as associated with the particular method. The requirements include instrument calibration and quality control samples and require daily performance tests as well as demonstrations of precision and accuracy.

CHAIN-OF-CUSTODY PROCEDURES:

This section describes procedures used for sample identification and chain-of-custody. The purpose of these procedures is to ensure that the integrity of the samples is maintained during their collection, transportation, storage and analysis.

Sample identification documents were carefully prepared so that sample identification and chain-of-custody was maintained and sample disposition controlled.

Sample identification documents included:

* field notebooks
* sample labels
* chain-of-custody (DNR Form 4400-151)

Each sample is labelled, physically preserved, and sealed immediately after collection. To minimize handling of sample containers, labels are filled out just prior to sample collection. The sample label is completed using waterproof ink and is firmly affixed to the sample containers. The sample label provides the following information:

* location
* sample number
* date and time of collection
* analysis required
* name of sampler

A chain-of-custody record (DNR Form 4400-151) is fully completed in duplicate by the Cedar Corporation sampler immediately following sample collection.

Transfer of Custody Shipment

The coolers in which the samples are packed are accompanied by the chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them sign, date, and note the time of transfer on the chain-of-custody record.

Laboratory Custody Procedures

A designated sample custodian accepts custody of the shipped samples and verifies that the sample identification number matches that on the chain-of-custody record. A copy of the completed chain-of-custody record is retained by the laboratory until analyses are completed. The record is then returned to the site file with the analytical results.

APPENDIX C

ANALYTICAL RESULTS

State o. consin
Department of Natural Resources

CHAI OF CUSTODY RE ORD
LUST PROGRAM
Form 4400-151 11-91

1 of 2

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

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Alan J. Bishop	Env. Spec. / Cedar Corp.	715-235-9081
Property Owner	**Property Address**	**Telephone Number (include area code)**
Bob Ewer	Hwy. 27 Lake Holcombe, WI	

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

Relinquished By (Signature)	Date/Time	Received By (Signature)
A. J. Bishop	5-25-93 / 8:00	
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received for Laboratory By (Signature)
		5/26/93 9:00 Mary Mille

Temperature of temperature blank: Rec'd on ice

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

Collection Information								Parameters															Sample Condition			
Sample ID	Sampling Location	Date	Time	GRAB	COMP	Sample Type	No. of Container	GRO	PVOC														No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
No. 1	3', E. end (stockpile) 2,500	5-24-93	9:30	X		Soil	2	X	X								1	1	9	7	8	5	1-4oz. 1-6oz.				
No. 2	10', E. end 2,500	"	11:00	X		Soil	2	X												7	8	4					
No. 3	10', W. end 2,500	"	10:30	X		"	2	X												7	8	7					
No. 4	13' N. wall Exc.	"	11:10	X		"	2	X	X											7	8	8					
No. 5	13', W. wall Exc.	"	11:20	X		"	2	X	X											7	8	9					
No. 6	13' S. Wall Exc.	"	11:30	X		"	2	X	X											7	9	0					
No. 7	13', E. Wall Exc.	"	11:35	X		"	2	X	X											7	9	1					
No. 8	13', Mid, Bottom Exc.	"	11:40	X		"	2	X	X											7	9	2					

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

#93.02003

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

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample Laborato should:

☐ Dispose ☐ Retain for ___ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

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

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

State o. consin
Department of Natural Resources

CHAI. OF CUSTODY RE ORD
LUST PROGRAM
Form 4400-151 11-91

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

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Alan J. Bishop	Env. Spec. / Cedar Corp.	715-235-9081
Property Owner	**Property Address**	**Telephone Number (include area code)**
Bob Ewer	Hwy. 27 Lake Holcombe, WI	715-

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

Relinquished By (Signature)	Date/Time	Received By (Signature)
Alan J. Bishop	5-25-93 / 8:00	
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received for Laboratory By (Signature)
		5/26/93 9:00 Mary Miller

Temperature of temperature blank: Rec'd on ice

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

Collection Information								Parameters				Sample Condition			
Sample ID	Sampling Location	Date	Time	GRAB	COMP	Sample Type	No. of Container	GRO	PVOC		No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
No. 9	14', N. end 10,000	5-24-93	1:15	X		Soil	2	X		119793	1-4 oz. 1-60 ml				
No. 10	14', S. end 10,000	|	1:25	X		|	2	X		794	|				
No. 11	4', Mid. Piping Run	|	1:30	X		|	2	X		795	|				
No. 12	4', Mid. Pump. Isl.	↓	1:35	X		↓	2	X		796	↓				
MeOH-	Blank					MeOH	1	X		797	1-60 ml				

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.
[2] Sample description must clearly correlate the sample ID to the sampling location.

93.02003

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:

☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

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

Accepted By: ______________________
Signature

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003

The following samples were received by NET for analysis:

Sample Number	Sample Description	Date Collected
119785	#1 3',E. End 2,500, Grab Soil	05/24/1993
119786	#2 10', E.End 2,500, Grab Soil	05/24/1993
119787	#3 10', W.End 2,500, Grab Soil	05/24/1993
119788	#4 13', N. Wall Exc., Grab Soil	05/24/1993
119789	#5 13', W. Wall Exc., Grab Soil	05/24/1993
119790	#6 13', S. Wall Exc., Grab Soil	05/24/1993
119791	#7 13', E. Wall Exc., Grab Soil	05/24/1993
119792	#8 13', Mid Bottom Exc., Grab So	05/24/1993
119793	#9 14', N. End 10,000, Grab Soil	05/24/1993
119794	#10, 14', S. End 10,000, Grab So	05/24/1993
119795	#11, 4', Mid Piping Run, Grab So	05/24/1993
119796	#12, 4', Mid Pump ISL., Grab So	05/24/1993
119797	MeOH-Blank	

The abbreviations and references listed below have been adopted by NET as standard conventions and are used throughout this report:

(1) Method reference from EPA SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA SW-846, 3rd Ed., September, 1986.

(2) Method reference from ASTM, "American Society for Testing Materials."

(3) Method reference from EPA "Methods for Chemical Analysis of Waters and Wastes," USEPA, EPA 600/4-79-020, revised March, 1983.

(4) Method reference from "Standard Methods for the Examination of Water and Wastewater."

(5) Method reference from EPA "Methods for the Determination of Organic Compounds in Drinking Water," USEPA, 524.2, Revised 1989

(6) EPA 40 CFR, Part 763 Appendix A to Subpart F - PLM

(7) Method reference from EPA SW-846 "Testing Methods for Evaluating Solid Waste, Physical/Chemical Methods",USEPA SW-846, Revision 1, 8260A, November 1990. Modification of method in SPCC requirements.

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119785

SAMPLE DESCRIPTION: #1 3',E. End 2,500, Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	84.2	%	160.3 (3)	06/03/1993

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119785

SAMPLE DESCRIPTION: #1 3',E. End 2,500, Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
PVOC - 8020				
Benzene	<160.	ug/kg	8020 (1)	06/02/1993
Ethylbenzene	3800.	ug/kg	8020 (1)	06/02/1993
Tert-methyl butyl ether	<160.	ug/kg	8020 (1)	06/02/1993
Toluene	3300.	ug/kg	8020 (1)	06/02/1993
1,2,4-Trimethylbenzene	30,000.	ug/kg	8020 (1)	06/02/1993
1,3,5-Trimethylbenzene	9700.	ug/kg	8020 (1)	06/02/1993
Xylenes	38,000.	ug/kg	8020 (1)	06/02/1993

Brian Wanner pm
Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119785

SAMPLE DESCRIPTION: #1 3',E. End 2,500, Grab Soil
Bob Ewer

Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
WDNR-GRO	810.	mg/kg	WDNR	06/04/1993

Brian Wanner

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL
ENVIRONMENTAL
TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119786

SAMPLE DESCRIPTION: #2 10', E.End 2,500, Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	90.2	%	160.3 (3)	06/03/1993
WDNR-GRO	23.	mg/kg	WDNR	06/03/1993

Brian Wanner pm
Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119787

SAMPLE DESCRIPTION: #3 10', W.End 2,500, Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	90.0	%	160.3 (3)	06/03/1993
WDNR-GRO	<10.	mg/kg	WDNR	06/03/1993

Brian Wanner RM
Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119788

SAMPLE DESCRIPTION: #4 13', N. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	90.8	%	160.3 (3)	06/03/1993

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119788

SAMPLE DESCRIPTION: #4 13', N. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
PVOC - 8020				
Benzene	<2.0	ug/kg	8020 (1)	06/01/1993
Ethylbenzene	<2.0	ug/kg	8020 (1)	06/01/1993
Tert-methyl butyl ether	<2.0	ug/kg	8020 (1)	06/01/1993
Toluene	<2.0	ug/kg	8020 (1)	06/01/1993
1,2,4-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/01/1993
1,3,5-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/01/1993
Xylenes	<2.0	ug/kg	8020 (1)	06/01/1993

Brian Wanner pm
Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL
ENVIRONMENTAL
TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119788

SAMPLE DESCRIPTION: #4 13', N. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
WDNR-GRO	<10.	mg/kg	WDNR	06/02/1993

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119789

SAMPLE DESCRIPTION: #5 13', W. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	90.2	%	160.3 (3)	06/03/1993

Brian Wanner

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119789

SAMPLE DESCRIPTION: #5 13', W. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
PVOC - 8020				
Benzene	<2.0	ug/kg	8020 (1)	06/02/1993
Ethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
Tert-methyl butyl ether	<2.0	ug/kg	8020 (1)	06/02/1993
Toluene	<2.0	ug/kg	8020 (1)	06/02/1993
1,2,4-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
1,3,5-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
Xylenes	<2.0	ug/kg	8020 (1)	06/02/1993

Brian Wanner

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119789

SAMPLE DESCRIPTION: #5 13', W. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
WDNR-GRO	<10.	mg/kg	WDNR	06/02/1993

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119790

SAMPLE DESCRIPTION: #6 13', S. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	90.1	%	160.3 (3)	06/03/1993

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119790

SAMPLE DESCRIPTION: #6 13', S. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
PVOC - 8020				
Benzene	<2.0	ug/kg	8020 (1)	06/02/1993
Ethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
Tert-methyl butyl ether	<2.0	ug/kg	8020 (1)	06/02/1993
Toluene	<2.0	ug/kg	8020 (1)	06/02/1993
1,2,4-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
1,3,5-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
Xylenes	<2.0	ug/kg	8020 (1)	06/02/1993

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119790

SAMPLE DESCRIPTION: #6 13', S. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
WDNR-GRO	<10.	mg/kg	WDNR	06/02/1993

Brian Wanner

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119791

SAMPLE DESCRIPTION: #7 13', E. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	90.2	%	160.3 (3)	06/03/1993

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119791

SAMPLE DESCRIPTION: #7 13', E. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
PVOC - 8020				
Benzene	<2.0	ug/kg	8020 (1)	06/02/1993
Ethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
Tert-methyl butyl ether	<2.0	ug/kg	8020 (1)	06/02/1993
Toluene	<2.0	ug/kg	8020 (1)	06/02/1993
1,2,4-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
1,3,5-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
Xylenes	<2.0	ug/kg	8020 (1)	06/02/1993

Brian Wanner pm
Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119791

SAMPLE DESCRIPTION: #7 13', E. Wall Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
WDNR-GRO	<10.	mg/kg	WDNR	06/02/1993

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119792

SAMPLE DESCRIPTION: #8 13', Mid Bottom Exc., Grab Soil
Bob Ewer

Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	91.4	%	160.3 (3)	06/03/1993

Brian Wanner, Manager
Rockford Division

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119792

SAMPLE DESCRIPTION: #8 13', Mid Bottom Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
PVOC - 8020				
Benzene	<2.0	ug/kg	8020 (1)	06/02/1993
Ethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
Tert-methyl butyl ether	<2.0	ug/kg	8020 (1)	06/02/1993
Toluene	<2.0	ug/kg	8020 (1)	06/02/1993
1,2,4-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
1,3,5-Trimethylbenzene	<2.0	ug/kg	8020 (1)	06/02/1993
Xylenes	<2.0	ug/kg	8020 (1)	06/02/1993

Brian Wanner per

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119792

SAMPLE DESCRIPTION: #8 13', Mid Bottom Exc., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
WDNR-GRO	<10.	mg/kg	WDNR	06/02/1993

Brian Wanner
Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL
ENVIRONMENTAL
TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119793

SAMPLE DESCRIPTION: #9 14', N. End 10,000, Grab Soil
Bob Ewer

Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	90.8	%	160.3 (3)	06/03/1993
WDNR-GRO	<10.	mg/kg	WDNR	06/03/1993

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119794

SAMPLE DESCRIPTION: #10, 14', S. End 10,000, Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	91.8	%	160.3 (3)	06/03/1993
WDNR-GRO	<10.	mg/kg	WDNR	06/03/1993

Brian Wanner

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119795

SAMPLE DESCRIPTION: #11, 4', Mid Piping Run, Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	90.7	%	160.3 (3)	06/03/1993
WDNR-GRO	<10.	mg/kg	WDNR	06/03/1993

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119796

SAMPLE DESCRIPTION: #12, 4', Mid Pump ISL., Grab Soil
Bob Ewer
Date Collected: 05/24/1993
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
Solids, Total	91.5	%	160.3 (3)	06/03/1993
WDNR-GRO	<10.	mg/kg	WDNR	06/03/1993

Brian Wanner, Manager
Rockford Division

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Rockford Division
3548 35th Street
Rockford, IL 61109
Tel: (815) 874-2171
Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Al Bishop
CEDAR CORPORATION
604 Wilson
Menomonie, WI 54751

06/08/1993

Job No: 93.02003
Sample No: 119797

SAMPLE DESCRIPTION: MeOH-Blank
Bob Ewer
Date Collected: UNKNOWN
IEPA Cert. No.100220

Date Received: 05/26/1993
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
WDNR-GRO	<50.	ug/L	WDNR	06/03/1993

Brian Wanner, Manager
Rockford Division

APPENDIX D

CONTAMINATED SOIL TREATMENT APPROVAL (4400-149)

MINNESOTA POLLUTION CONTROL AGENCY
APPLICATION TO TREAT PETROLEUM CONTAMINATED SOIL
May 1993

I. Minnesota Pollution Control Agency Site ID Number: LEAK#____

II: MPCA Project Manager:_____

III: Source of Soil:

Facility Name: Ewer's Store
Street Address: LH 4509 Hwy. 27
City, State: Town of Lake Holcombe, WI 54745
Zip Code: 54745

Contact Name: Bob Ewer
Telephone: 715-595-4268

IV: Contamination Details:

Weight of Soil (Tons): 105 (1.4 tons per cubic yard)

Type Petroleum Contamination: ~~Gasoline~~ diesel fuel, (Circle as appropriate) No. 1 F.O., No. 2 F.O., kerosene, used oil

Contamination Concentration (parts per million)*

Benzene	0.16	____	____	____	____
Toluene	3.3	____	____	____	____
Ethyl Benzene	3.8	____	____	____	____
Xylene	38	____	____	____	____
Total Lead	—	____	____	____	____
DRO/(GRO)	810	____	____	____	____

Soil Type (sand,) silt, clay, etc.) Till

*Note: See Tanks and Spills Section document "Soil and Ground Water Analysis at Petroleum Release Sites" for additional analysis that may be required.

Application to Treat Petroleum Contaminated Soil
Page 2
May 1993

V. Thermal Treatment Unit:

Name: CleanSoils Inc.
Address: 398 East Richmond Street
South St. Paul, MN 55075

Plant Number or Model: CleanSoils Thermal Desorber™

Contact Name: David Kress Title: Project Manager
Office Number: (612) 639-8811 Site Number: (612)552-1038
Air Quality Permit Number: 2307C-93-OT-2

Date

Signature of Authorized Thermal Treatment Unit Representative

VI: Date treatment will be completed: _____
(60 DAYS FROM ACCEPTANCE)

VIII: Individual Submitting Request:

Company Name: Cedar Corp.
Address: 604 Wilson Ave.
City, State, Zip: Menomonie, WI 54751

Contact Name: Alan J. Bishop
Telephone: 715-235-9081

Signature: Alan J. Bishop

Date: 7-22-93

Mail to: Project Manager
Minnesota Pollution Control Agency
Hazardous Waste Division
Tanks and Spills Section
520 Lafayette Road
St. Paul, MN 55155
Fax No.: (612) 297-8676

APPENDIX E

TANK INVENTORY FORMS (SBD-7437)

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Sec. 101.142, Wis. Stats.

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

For Office Use Only:
Tank ID #

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

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

Fire Department Providing Fire Coverage Where Tank Located:
DILHR - Darrell Christy

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: Ewer's Store
Site Address: LH 45 & Highway 27
Site Telephone No.: (715) 595-4268
☐ City ☐ Village ☑ Town of: Lake Holcomb
State: WI Zip Code: 54745 County: Chippewa

2. Owner Name (mail sent here unless indicated otherwise in #3 below): Bob Ewer
Owner Mailing Address (mail sent here unless indicated otherwise in #3): LH 45 & Highway 27
☐ City ☐ Village ☑ Town of: Lake Holcombe
State: WI Zip Code: 54745 County: Chippewa

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): 1973
5. Tank Capacity (gallons): 2,500
6. Tank Manufacturer's Name (if known)

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): 5-24-93
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): Robert Ewer
Indicate Whether: ☑ Owner or ☐ Operator

Signature of Owner or Operator: Robert Ewer
Date Signed: 5-24-93

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.

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: DILHR - Darrell Christy

A. IDENTIFICATION: (Please Print)

1. Tank Site Name	Site Address	Site Telephone No.
Ewer's Store	LH 4509 & Highway 27	(715) 595-4268

☐ City ☐ Village ☑ Town of:	State	Zip Code	County
Lake Holcombe	WI	54745	Chippewa

2. Owner Name (mail sent here unless indicated otherwise in # 3 below)	Owner Mailing Address (mail sent here unless indicated otherwise in # 3)
Bob Ewer	LH 4509 Highway 27

☐ City ☐ Village ☑ Town of:	State	Zip Code	County
Lake Holcombe	WI	54745	Chippewa

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)
5-24-93	☑ 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:
Robert Ewer	☑ Owner or ☐ Operator
Signature of Owner or Operator:	**Date Signed:**
Robert Ewer	5-24-93

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.

SIGNATURE PAGE FOR A

TANK CLOSURE,

ENVIRONMENTAL SITE ASSESSMENT

AND

REMEDIAL ACTION REPORT

FOR

ROBERT EWER

TOWNSHIP OF LAKE HOLCOMBE, WI

Author: Alan J. Bishop Date: 12-16-93

Alan J. Bishop
Environmental Specialist

Reviewer: Scott E. McCurdy Date: 12-16-93

Scott E. McCurdy, C.P.G.
Hydrogeologist

CEDAR CORPORATION
604 Wilson Avenue
MENOMONIE, WISCONSIN 54751

715-235-9081 800-472-7372
FAX 715-235-2727

LETTER OF TRANSMITTAL

TO WDNR
2004 Highland Ave.
Eau Claire, WI 54701-4346

DATE 7-22-93 | JOB NO.

ATTENTION John Grump

RE: Ewer's Store

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
2	7-22-93	1	UST Closure Report

THESE ARE TRANSMITTED as checked below:

☑ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☑ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☑ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

Sincerely
Alan J. Bishop

COPY TO _____

SIGNED: _____

If enclosures are not as noted, kindly notify us at once.

CEDAR CORPORATION
604 Wilson Avenue
MENOMONIE, WISCONSIN 54751

715-235-9081 800-472-7372
FAX 715-235-2727

LETTER OF TRANSMITTAL

DATE	JOB NO.
11-16-93	
ATTENTION: J. Grump	
RE: Ewer's Store	

TO WDNR
2004 Highland Ave.
Eau Claire, WI 54701-4346

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1		1	Form 4
1		1	Signed MPCA Form

THESE ARE TRANSMITTED as checked below:

☑ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☑ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

SIGNED: John J. Bishop

If enclosures are not as noted, kindly notify us at once.

MINNESOTA POLLUTION CONTROL AGENCY
APPLICATION TO TREAT PETROLEUM CONTAMINATED SOIL
May 1993

I. Minnesota Pollution Control Agency Site ID Number: LEAK# ____

II: MPCA Project Manager: _____

III: Source of Soil:

Facility Name: Ewer's Store
Street Address: LH 4509 Hwy. 27.
City, State: Town of Lake Holcombe, WI 54745
Zip Code: 54745

Contact Name: Bob Ewer
Telephone: 715-595-4268

IV: Contamination Details:

Weight of Soil (Tons): 105 (1.4 tons per cubic yard)

Type Petroleum Contamination: (Gasoline) diesel fuel, No. 1 F.O., No. 2 F.O., kerosene, used oil
(Circle as appropriate)

Contamination Concentration (parts per million)*

Benzene	0.16	___	___	___	___
Toluene	3.3	___	___	___	___
Ethyl Benzene	3.8	___	___	___	___
Xylene	38	___	___	___	___
Total Lead	—	___	___	___	___
DRO/(GRO)	810	___	___	___	___

Soil Type (sand,) silt, clay, etc.) Till

*Note: See Tanks and Spills Section document "Soil and Ground Water Analysis at Petroleum Release Sites" for additional analysis that may be required.

Application to Treat Petroleum Contaminated Soil
Page 2
May 1993

V. Thermal Treatment Unit:

Name: CleanSoils Inc.
Address: 398 East Richmond Street
South St. Paul, MN 55075

Plant Number or Model: CleanSoils Thermal Desorber™

Contact Name: David Kress Title: Project Manager
Office Number: (612) 639-8811 Site Number: (612)552-1038
Air Quality Permit Number: 2307C-93-OT-2

09-22-93
Date

David H. Kress
Signature of Authorized Thermal Treatment Unit Representative

VI: Date treatment will be completed: 11-22-93
(60 DAYS FROM ACCEPTANCE)

VIII: Individual Submitting Request:

Company Name: Cedar Corp.
Address: 604 Wilson Ave.
City, State, Zip: Menomonie, WI 54751

Contact Name: Alan J. Bishop
Telephone: 715-235-9081

Signature: Alan J. Bishop

Date: 7-22-93

Mail to: Project Manager
Minnesota Pollution Control Agency
Hazardous Waste Division
Tanks and Spills Section
520 Lafayette Road
St. Paul, MN 55155
Fax No.: (612) 297-8676

TELEPHONE LOG

SITE NAMED/ID#: Ewer's Store **DATE/TIME:** 5/24/93 14:40

CONTACT: Al Bishop **TELEPHONE NO.:**

COMPANY/AGENT: Cedar Corp.

SUMMARY: Robert Ewer
LH 4509 Hwy 27
In of Lake Holcombe
54745
(715) 595-4268

Removed: 10,000 gas
2,500 gas.

Spillage around fille pipe 2500 gallon gas.
Took out 40-50 yards. Covered w/ plastic
Samples were PID clean below overexcavation.

Sending samples for GRO, PVOC's.
Excavation bottom seemed to be clean.

1040

Department of Natural Resources

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

UID Number: | **FID Number:** | **PMN Number:**

County: Chippewa
Site Name: Ewer's Store
Address: LH 4509 Hwy. 27
Municipality: Holcombe, WI 54745
Legal Descript.: NW 1/4 NW 1/4 sec. 3 T 32 N R 6 (E/W)
Lat.: _____ Long.: _____

Initial Contact Date: 05/24/93
Date RPLetter Sent: None Required
Date Closure Approved: 02/03/94

Person/Firm Reporting: Al Bishop
Cedar Corp.
Phone Number: (715) 235-9081

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

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

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

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

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

LUST Trust Eligible
X 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: Robert Ewer
Company Name: Ewer's Store
Address: LH 4509 Hwy. 27
Holcombe, WI 54745
Phone Number: (715) 595-4268

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
K (5) Soil Contamination
___ (6) Other: _____
___ (7) Surface Water Impacts
___ (9) Floating Product

Consultant
Contact Name: Al Bishop
Company Name: Cedar Corporation
Address: 604 Wilson Ave
Menomonie, WI 54751
Telephone: (715) 235-9081

Substances	# Tank(s)	Size
___ (1) Leaded Gas		
X (2) Unleaded Gas	2	2,500 + 10,000 gal.
___ (3) Diesel		
___ (4) Fuel Oil		
___ (5) Unkwn Hydrocrbn		
___ (8) Other _____		
___ (12) Waste Oil		

CASE STATUS SUMMARY

1040

UID: ~~No # Assigned~~

SITE NAME: Ewer's Store

03 = NTC of Non Compliance
04 = Enf. Conference
14 = Notice of Violation
18 = Admin.. Order Issued
19 = Admin.. Order Modified
20 = Admin. Order Canceled
21 = Contest Case Hearing
23 = Referral to DOJ
30 = Notice to Proceed
31 = Tnk Cls/SA Work Plan
32 = Tnk Cls/SA WP Appv'd
33 = Tnk Cls/SA Rpt Recv'd
34 = Tnk Cls/SA Rpt Appv'd
35 = SI Work Plan Recv'd
36 = SI Work Plan Appv'd
37 = SI Report Recv'd
38 = SI Report Appv'd
39 = RA Work Plan Recv'd
40 = RA Work Plan Appv'd
41 = RA Report Recv'd
42 = RA Report Appv'd
43 = Qrtly/Mthly Status Rpt
44 = Form 4 Received
45 = Form 4 Approved
46 = Form 4 Denied
47 = PECFA Reimbursement
48 = Free Product Recovery
49 = Alternate Water Supplied

60 = ____ 61 = ____ 62 = ____ 63 = ____ 64 = ____ 65 = ____ 66 = ____ 67 = ____
68 = ____ 69 = ____ 70 = ____ 71 = ____ 72 = ____ 73 = ____ 74 = ____ 75 = ____
76 = ____ 77 = ____ 78 = ____ 79 = ____ 80 = ____ 81 = ____ 82 = ____ 83 = ____
84 = ____ 85 = ____ 86 = ____ 87 = ____ 88 = ____ 89 = ____ 90 = ____ 91 = ____
92 = ____ 93 = ____ 94 = ____ 95 = ____ 96 = ____ 97 = ____ 98 = ____ 99 = ____

CASE STATUS UPDATES:

Action Code	Date Received/Sent	Compliance Due Date	Compliance Achieved	Date Entered In Tracking
33	07/23/93 (R/S)	/ /	/ /	/ /
44	11/18/93 (R/S)	/ /	/ /	/ /
64	02/04/94 (R/S)	/ /	/ /	/ /
45	12/09/93 (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /
	/ / (R/S)	/ /	/ /	/ /