



Tank Closure And
Environmental Site Assessment Report
For
Rick Scoglio
1637 80th Street
Balsam Lake, WI 54810

Site:

Paps General Store
1637 80th Street
Balsam Lake, WI 54810

June 1999

Matt Taylor July 8, 1999
Matt Taylor
(CSA #41812)

Cedar Corporation
604 Wilson Avenue
Menomonie, WI 54751

Project #1829-0041-303-01

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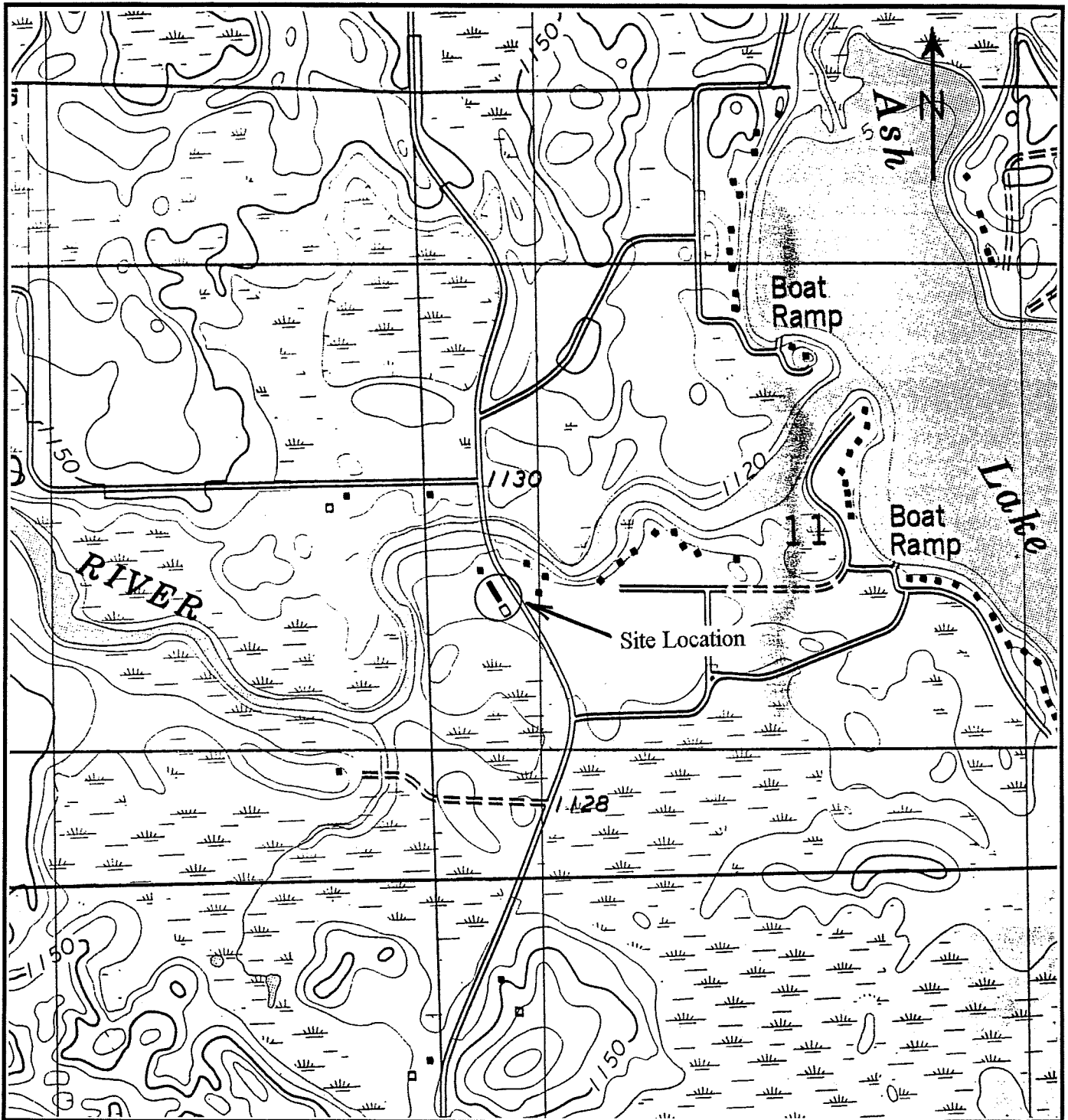
TABLE

- Table 1 - Soil Sample - Field and Analytical Results

I. OWNERSHIP AND PERSONNEL INVOLVED

On June 10, 1999, Cedar Corporation provided environmental site assessment consulting services during the closure of three underground storage tanks located at Pap's General Store. The site is located on 80th Street (aka County Road E) in the Town of Apple River (Figure 1).

Tank Location:	Pap's General Store 1637 80 th Street Balsam Lake, WI NW 1/4 of SW 1/4, Section 11, Township 34 N, Range 16 W, Polk County
Tank Owner:	Rick Scoglio 1637 80 th Street Balsam Lake, WI 54810 715-268-8108
Tank Cleaning Services:	Skoglund Oil Company 149 High Street New Richmond, WI 54017 715-246-4767
Certified Tank Removal and Cleaning Technicians:	Karl Skoglund, Aaron Powers Certification No.: 41371, 646405
Excavator:	Cross Country 104 Clark Road Dresser, WI 54009 715-294-3141
Tank Inspector or Third Party:	Randy Shervey/Chippewa Fire Protection District 13143 County Highway OO Chippewa Falls, WI 54729-7377 715-723-0607 LPO #: 00009
Site Assessment Services:	Cedar Corporation 604 Wilson Avenue Menomonie, WI 54751
Certified Site Assessor:	Matt Taylor Certification #: 41812 Copy of Certification as Appendix A



LEGEND

Range, Wis.
USGS Topographic Quadrangle
7.5 Minute Series

Contour Interval - 10 feet

NW 1/4, SW 1/4 of Section 11,
Township 34 N, Range 16 W,
Polk County



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DRAWN BY	USGS
DATE	6/99
REVISED BY	MAT
SCALE	1" : 1000'

SITE LOCATION MAP

PAP'S GENERAL STORE
1637 80th STREET
BALSAM LAKE, WI

CHECKED BY	MAT
JOB NO.	1826-0041
FIGURE	1

II. BACKGROUND INFORMATION

Present Property Use: The property is used as a general store and fueling station.

Present Tanks: Three USTs were removed during the project, a 1,000 gallon diesel fuel (DCOMM Tank ID #324238), a 2,000 gallon premium unleaded (Tank ID #324237), and a 4,000 regular unleaded (Tank ID #324236).

Two new USTs are being installed at the site, a 10,000 gallon and a 4,000 gallon unleaded.

Previous Geotechnical Investigations: None.

III. TANK CLOSURE INFORMATION

Observations:

Free Product	No	Excavation Depth	9.5 ft.
Soil Staining	No	Free Standing Water	No
Soil Odors	Yes	Sample of Water Collected	NA

Tank Conditions:

Pitted	No	Holed	No
Rusted	Yes	Coating Intact	NA

Other Observations: All three tanks appeared to be in fair condition.

Piping:

Pitted	No	Holed	No
Rusted	Yes	Coating Intact	NA

Observations: The piping appeared to be in fair condition.

Tank and piping disposal: Handled by Skoglund Oil Co.

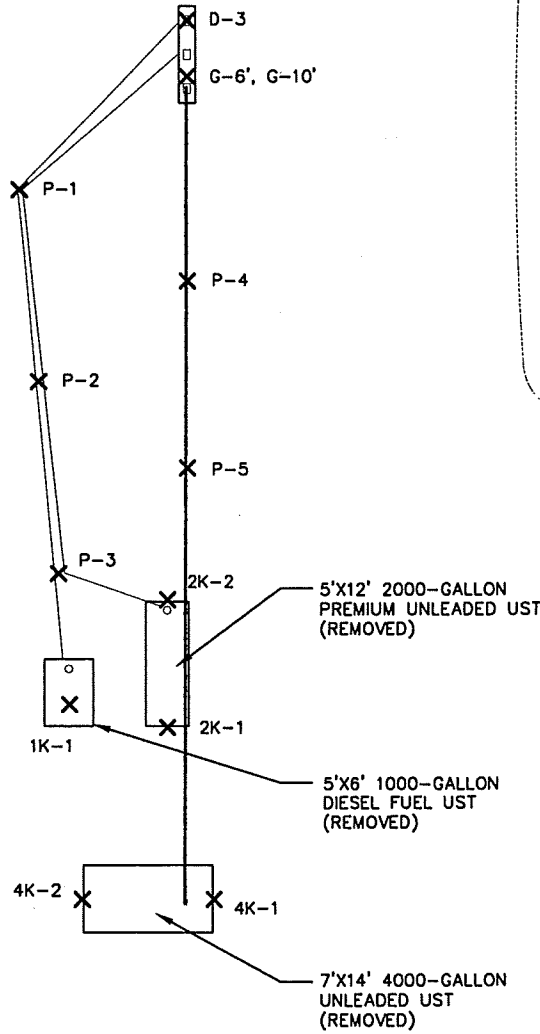
Tank Cleaning Procedures: USTs were inerted and removed, cut open and cleaned on-site, then hauled away to be scrapped for recycling.

IV. ENVIRONMENTAL ASSESSMENT

Samples Acquired: Yes
If yes, where: See Figure 2.
Number: Thirteen.
Depth: See Table of Results.

PAP'S
GENERAL STORE
1637 80th ST.
TOWN OF APPLE RIVER

O/H
DOOR



80th STREET / C.T.H. "E"

Cedar
corporation

604 Wilson Avenue
Menomonie, Wisconsin 54751

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DRAWN BY KAT	PROJECT TITLE SKOGLUND OIL CO. PAP'S GENERAL STORE 1637 80th ST. BALSAM LAKE, WI	CHECKED BY MAT
DATE July 1999		JOB NO. 1826-041
FILE S041_bas.dwg		FIGURE 2
SCALE 1"=20'		

Obvious contamination limited sample collection: No.

Sample Method Field: FID
Lab: GRO, DRO, PVOCs

Laboratory: Test America, Inc.
602 Commerce Drive
Watertown, WI 53094
920-261-1660
WI DNR Certification No. 128053530

TABLE OF RESULTS

SAMPLE ID	DEPTH FT.	PID/FID I.U.	GRO PPM	DRO PPM	MOISTURE %
4K-1	9.5	1.3	<6.1	---	18.6
4K-2	9.5	0.0	<5.9	---	14.8
2K-1	8	237.5	<5.3	---	6.0
2K-2	8	1589	9.4	---	6.2
1K-1	8	>1905	383	223	5.9
D-3	3	>1905	---	15,800	5.3
P-1	3	0.0	<5.6	<5.6	10.9
P-2	3	0.0	<5.7	16	11.6
P-3	3	0.0	<5.4	<5.4	7.4
P-4	3	0.0	<5.9	---	15.5
P-5	3	0.0	<5.2	---	3.0
G-6	6	>1905	3920	---	5.7
G-10	10	>1905	991	---	5.1

Results of Assessment: The results of in-field observations and laboratory analyses indicate the presence of petroleum contamination requiring further investigation beneath the dispensers and the 1,000 gallon diesel fuel UST.

V. STANDARD OF CARE

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded in this report.

APPENDIX A
SITE ASSESSOR CERTIFICATION

STATE OF WISCONSIN DEPARTMENT OF COMMERCE

Id: 41812

MATTHEW A TAYLOR

Signature: 

License, Certification, or Registration Name	Expires
PECFA Consultant Registration	11/20/00
Site Assessor Certification	12/12/99

APPENDIX B
FIELD PROCEDURES

SAMPLE COLLECTION AND HANDLING PROCEDURES

SOIL SAMPLING TECHNIQUES

Hand Auger Soil Borings

Soil samples were recovered from soil borings completed with a stainless steel auger. The auger consists of a 12 inch long, 3 ½ inch diameter enclosed sampling device. It is connected to 4 ½ foot long rods equipped with screw threads such that additional sections can be added to increase the depth of sampling. The auger sections are marked to identify the depth of the sample. The auger is decontaminated prior to each sampling event.

Hollow Stem Auger Soil Borings

Soil borings at this site were completed using 4 1/4 inch HSA (hollow stem augers) at locations as determined by the existing conditions and at the direction of the field supervisor. Soil samples were recovered using standard split spoon sampling methods. In this method, a 2 inch diameter, 24 inch sample spoon is attached to an AW rod. When the auger has reached the desired depth, the spoon is lowered into the auger until it reaches the top of the sampling interval. Using a 140 pound hammer dropped 30 inches, the spoon is driven into the formation. A sample catcher in the tip holds the sample in the spoon. During the driving of the spoon, the number of hammer blows is noted for each six inches of advancement. These values are recorded on the driller's logs.

The sample spoon is retrieved from the boring and opened. A field geological log is completed and the soils are sampled for field screening, laboratory analysis, and/or sieve analysis. Prior to reuse, the sampling equipment is decontaminated.

Hydraulically Advanced Sampling Techniques

Hydraulically advanced sampling techniques, such as Geoprobe^R, typically use a one inch outer diameter steel probe with a large bore soil core sampler. The probe rods and the sampling unit are driven to the desired sampling depth by a carrier vehicle mounted sampling unit. The probe rods and sampler are hydraulically advanced using the static weight of the carrier vehicle to assist in penetrating the formation or a combination of vehicle weight and hydraulic hammer percussion. Typical sample lengths are 24 inches.

While driving the soil core sampler to the desired depth, a pin stops the end point and piston from sliding into the collection tube. At the desired sampling depth, the pin is removed and the probe rods advanced some 24 inches. The piston and end point are forced into the collection chamber by the sample being collected. Sample collection chambers are typically lined with removable acetate sleeves. The sampling device is brought to the surface and the sample, contained in the acetate sleeve, retrieved from the carrier assembly.

Upon retrieval the sample is immediately opened, logged, sampled for laboratory analysis (if required) and placed in a clean jar for Headspace Analysis. After each sampling event the probe rods and soil core sampling equipment are decontaminated. A new acetate liner is placed in the sampling chamber for the next sampling event.

Soil Sample Collection

Soil samples are recovered at various depths and locations as directed by the on site environmental specialist/geologist. 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 sampling unit with a clean spatula and placed in a one quart glass jar for field screening. If desired, a split sample is collected and placed in a laboratory specimen jar with a Teflon lined septum for laboratory analysis. Personal protective equipment including latex disposable gloves, safety glasses, boots, hard hats, and organic vapor masks are used as necessary as protection from potential contaminants.

Field Screening

Soil samples recovered at various depths and locations during the investigation are logged and field screened using a Photovac Microtip MP-1 PID (photo ionization detector) with a 10.6eV lamp or a Flame Ionization Detector (FID). Field screening is completed using the "Headspace Method" wherein sufficient sample is placed in a one quart glass jar. The jar is tightly sealed with aluminum foil, agitated to break up the soil, and slightly warmed to encourage the release of any volatile organic

compounds in the sample. After a suitable waiting period as defined in Wisconsin Administrative Code ILHR 10, the foil is pierced and the sampling probe

of the instrument is introduced into the "headspace" and an analysis of the vapor in the jar is completed.

FIELD SCREENING DATA SHEET

Instrument make and model:	Micro FID
Date of last factory calibration:	2-98
Date of last field calibration:	6/10/99
Field calibration gas:	Methane
Concentration:	95 ppm
Site location:	Town of Apple River
Site name:	Pap's General Store
Instrument operator:	Matt Taylor
Weather conditions:	78°, Humid
Ambient air temperature where samples are warmed:	78°F
Field cleaning or repairs:	None

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 and water solution and a scrub brush are used to remove residual contaminants that may be present on the

device. After all potential contaminants are believed to have been removed, the tools are triple rinsed including a rinse in deionized water to remove the detergent solution. The tools are then placed on a clean surface to air dry.

ANALYTICAL LABORATORY SAMPLE PREPARATION

Soils

When a soil sample is to be laboratory analyzed, a sample is taken and sealed in a laboratory provided glass jar having a Teflon lined septum. WDNR Analytical and Quality Assurance Guidance, July, 1993, PUBL-SW-130-93 is used for sampling and analytical guidance. For modified GRO, VOC, and PVOC analyses, a minimum of 25 grams and up to a maximum of 70 grams of sample are preserved in methanol in a 120 ml capacity sample containers. For DRO analysis, a minimum of 25 grams and up to a maximum of 70 grams of sample are collected in 120 ml capacity sample containers. Additional samples are collected to determine dry weight for all four analyses. The samples are transferred to a cooler to maintain a sample temperature of 4°C.

Sampling Procedures Field Manual (PUBL-WR-168-87), the monitoring well to be sampled must have four well volumes purged by use of a pump or bailer and transferred to a laboratory acquired bottle by a bottom emptying device. Latex disposable gloves are worn throughout the purging and collection procession. Sampling is completed following the WDNR Analytical and Quality Assurance Guidance, July, 1993. GRO samples are collected in 40 ml glass vials, DRO samples in one liter amber glass containers, and VOC and PVOC samples in three 40 ml glass vials. All vials and containers have Teflon lined septums. All samples are preserved with HCl as the method requires. The samples are preserved on ice at or below a temperature of 4 degrees Celsius throughout handling and shipment to the laboratory.

Groundwater

Monitoring wells being sampled after development must be purged. According to the Wisconsin Department of Natural Resources Groundwater

Air Sample Collection

Air samples collected by drawing 200 cubic centimeters per minute through a carbon adsorption tube for 15 minutes. This produces a sample of 3 liters volume as required by the analytical method.

The samples are preserved on ice and shipped to a laboratory. Analyses for benzene and total hydrocarbons are completed following the NIOSH Methods 1501 and 1550, respectively.

Sample Preservation During Shipping

Samples to be laboratory analyzed are placed in a cooler with ice to preserve the sample temperature at or just below 4° Celsius. Samples are shipped in an insulated sealed cooler with ice and vermiculite to maintain the 4° C temperature. When opened in the laboratory, the sample custodian notes sample conditions and temperature or notes "on ice" on the chain of custody record to verify sample preservation. In the laboratory, samples are stored in a refrigerated location.

Laboratory Procedures

CHAIN-OF-CUSTODY DOCUMENTATION

This section describes procedures to identify samples and document handling of the sample by chain-of-custody. The purpose of these procedures is to ensure that the integrity of the samples is maintained during collection, transportation, storage and analysis.

Sample Identification

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

Sample identification documents include:

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

Each sample is labeled, physically preserved, and sealed immediately after collection. To minimize handling of sample containers, labels are completed immediately 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

For this project the samples were sent to a Wisconsin Department of Natural Resources certified laboratory, National Environmental Testing, Inc. of Rockford, IL (certification number 999-447-240). Samples collected during this project were analyzed following those analytical procedures documented in the LUST Analytical Guidance PUBL-SW-130-93, July 1993. Analytical procedures referenced in this report are defined in the LUST Analytical Guidance and/or the EPA Methods Manual (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 laboratory performance tests as well as demonstrations of instrument precision and accuracy.

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

Shipping Transfer of Custody

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. This individual also records the temperature of the received samples on the chain of custody records. Any discrepancies are immediately noted to the sampler. A copy of the completed chain-of-custody record is retained by the laboratory until analyses are completed. The record is returned to the project file with the analytical results.

APPENDIX C
ANALYTICAL RESULTS

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999

Job No: 99.05014

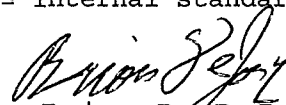
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Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
353572	4K-1 #1826-303-01 Paps General	06/10/1999	06/11/1999
353573	4K-2 #1826-303-01 Paps General	06/10/1999	06/11/1999
353574	2K-1 #1826-303-01 Paps General	06/10/1999	06/11/1999
353575	2K-2 #1826-303-01 Paps General	06/10/1999	06/11/1999
353576	1K-1 #1826-303-01 Paps General	06/10/1999	06/11/1999
353577	D-3' #1826-303-01 Paps General	06/10/1999	06/11/1999
353578	P-1 #1826-303-01 Paps General	06/10/1999	06/11/1999
353579	P-2 #1826-303-01 Paps General	06/10/1999	06/11/1999
353580	P-3 #1826-303-01 Paps General	06/10/1999	06/11/1999
353581	P-4 #1826-303-01 Paps General	06/10/1999	06/11/1999
353582	P-5 #1826-303-01 Paps General	06/10/1999	06/11/1999
353583	G-6' #1826-303-01 Paps General	06/10/1999	06/11/1999
353584	G-10' #1826-303-01 Paps General	06/10/1999	06/11/1999

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time	B = Blank is contaminated
C = Standard outside of control limits	D = Diluted for analysis
F = Sample filtered in lab	G = Received past hold time
H = Late eluting hydrocarbons present	I = Improperly handled sample
J = Estimated concentration	L = Common lab solvent and contaminant
M = Matrix interference	P = Improperly preserved sample
Q = Result confirmed via re-analysis	S = Sediment present
T = Does not match typical pattern	W = BOD re-set due to missed dilution
X = Unidentified compound(s) present	Z = Internal standard outside limits



Brian D. DeJong
Organic Operations Manager

ANALYTICAL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353572
Account No: 13800
Page 2 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: 4K-1 #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 10:40

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	81.4	%	n/a	SW 5030	06/14/1999	2834
GRO - NONAQUEOUS	<6.1	mg/kg	5.0	WDNR	06/15/1999	1516

ANALYTICAL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353573
Account No: 13800
Page 3 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: 4K-2 #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 10:45

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	85.2	%	n/a	SW 5030	06/14/1999	2834
GRO - NONAQUEOUS	<5.9	mg/kg	5.0	WDNR	06/15/1999	1516

ANALYTICAL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353574
Account No: 13800
Page 4 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: 2K-1 #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 10:50

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	94.0	%	n/a	SW 5030	06/14/1999	2834
GRO - NONAQUEOUS	<5.3	mg/kg	5.0	WDNR	06/15/1999	1516

ANALYTICAL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353575
Account No: 13800
Page 5 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: 2K-2 #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 10:55

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	93.8	%	n/a	SW 5030	06/15/1999	2835
GRO - NONAQUEOUS	H 9.4	mg/kg	5.0	WDNR	06/15/1999	1516

ANALYTICAL REPORT

Mr. Matt Taylor
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

06/22/1999
 Job No: 99.05014
 Sample No: 353576
 Account No: 13800
 Page 6 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
 PROJECT DESCRIPTION: Soil Analysis
 SAMPLE DESCRIPTION: 1K-1 #1826-303-01 Paps General Store
 Rec'd on ice

Date/Time Taken: 06/10/1999 11:00

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	94.1	%	n/a	SW 5030	06/15/1999	2835
DRO Extraction	06/11/199			WDNR	06/18/1999	1261
PVOC - NONAQUEOUS						
Benzene	489	ug/kg	25	SW 8020	06/17/1999	2366
Ethylbenzene	3,290	ug/kg	25	SW 8020	06/17/1999	2366
Methyl-t-butyl ether	<140	ug/kg	25	SW 8020	06/17/1999	2366
Toluene	4,990	ug/kg	25	SW 8020	06/17/1999	2366
1,2,4-Trimethylbenzene	14,900	ug/kg	25	SW 8020	06/17/1999	2366
1,3,5-Trimethylbenzene	5,840	ug/kg	25	SW 8020	06/17/1999	2366
Xylenes, Total	18,100	ug/kg	75	SW 8020	06/17/1999	2366
GRO	H 383	mg/kg	5.0	WDNR	06/17/1999	2366
Surr: Bromofluorobenzene	93.5	%	n/a	SW 8020	06/17/1999	2366
DRO - NONAQUEOUS	223	mg/kg	5.0	WDNR	06/21/1999	1261 2118

ANALYTICAL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353577
Account No: 13800
Page 7 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: D-3' #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 11:25

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	94.7	%	n/a	SW 5030	06/15/1999	2835
DRO Extraction	06/11/199			WDNR	06/18/1999	1261
DRO - NONAQUEOUS	15,800	mg/kg	5.0	WDNR	06/21/1999	1261 2118

ANALYTICAL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353578
Account No: 13800
Page 8 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: P-1 #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 12:40

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	89.1	%	n/a	SW 5030	06/15/1999	2835
DRO Extraction	06/11/199			WDNR	06/18/1999	1261
GRO - NONAQUEOUS	<5.6	mg/kg	5.0	WDNR	06/15/1999	1516
DRO - NONAQUEOUS	<5.6	mg/kg	5.0	WDNR	06/21/1999	1261 2118

ANALYTICAL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353579
Account No: 13800
Page 9 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: P-2 #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 12:45

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	88.4	%	n/a	SW 5030	06/15/1999	2835
DRO Extraction	06/11/199			WDNR	06/18/1999	1261
GRO - NONAQUEOUS	<5.7	mg/kg	5.0	WDNR	06/15/1999	1516
DRO - NONAQUEOUS	H 16	mg/kg	5.0	WDNR	06/21/1999	1261 2118

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06/22/1999
 Job No: 99.05014
 Sample No: 353580
 Account No: 13800
 Page 10 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
 PROJECT DESCRIPTION: Soil Analysis
 SAMPLE DESCRIPTION: P-3 #1826-303-01 Paps General Store
 Rec'd on ice

Date/Time Taken: 06/10/1999 12:50

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	92.6	%	n/a	SW 5030	06/15/1999	2835
DRO Extraction	06/11/199			WDNR	06/18/1999	1261
GRO - NONAQUEOUS	<5.4	mg/kg	5.0	WDNR	06/15/1999	1516
DRO - NONAQUEOUS	<5.4	mg/kg	5.0	WDNR	06/21/1999	1261 2118

ANALYTICAL REPORT

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604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353581
Account No: 13800
Page 11 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: P-4 #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 12:55

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	84.5	%	n/a	SW 5030	06/15/1999	2835
GRO - NONAQUEOUS	<5.9	mg/kg	5.0	WDNR	06/15/1999	1516

ANALYTICAL REPORT

Mr. Matt Taylor
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/22/1999
Job No: 99.05014
Sample No: 353582
Account No: 13800
Page 12 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: P-5 #1826-303-01 Paps General Store
Rec'd on ice

Date/Time Taken: 06/10/1999 13:00

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	97.0	%	n/a	SW 5030	06/15/1999	2835
GRO - NONAQUEOUS	<5.2	mg/kg	5.0	WDNR	06/17/1999	1517

ANALYTICAL REPORT

Mr. Matt Taylor
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

06/22/1999
 Job No: 99.05014
 Sample No: 353583
 Account No: 13800
 Page 13 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
 PROJECT DESCRIPTION: Soil Analysis
 SAMPLE DESCRIPTION: G-6' #1826-303-01 Paps General Store
 Rec'd on ice

Date/Time Taken: 06/10/1999 11:50 Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	94.3	%	n/a	SW 5030	06/15/1999	2835
PVOC - NONAQUEOUS						
Benzene	38,200	ug/kg	25	SW 8020	06/16/1999	2365
Ethylbenzene	54,100	ug/kg	25	SW 8020	06/16/1999	2365
Methyl-t-butyl ether	<2,700	ug/kg	25	SW 8020	06/16/1999	2365
Toluene	211,000	ug/kg	25	SW 8020	06/16/1999	2365
1,2,4-Trimethylbenzene	259,000	ug/kg	25	SW 8020	06/16/1999	2365
1,3,5-Trimethylbenzene	74,200	ug/kg	25	SW 8020	06/16/1999	2365
Xylenes, Total	613,000	ug/kg	75	SW 8020	06/16/1999	2365
GRO	H 3,920	mg/kg	5.0	WDNR	06/16/1999	2365
Surr: Bromofluorobenzene	108.5	%	n/a	SW 8020	06/16/1999	2365

ANALYTICAL REPORT

Mr. Matt Taylor
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

06/22/1999
 Job No: 99.05014
 Sample No: 353584
 Account No: 13800
 Page 14 of 14

JOB DESCRIPTION: #1826-303-01 Paps General Store
 PROJECT DESCRIPTION: Soil Analysis
 SAMPLE DESCRIPTION: G-10' #1826-303-01 Paps General
 Rec'd on ice

Date/Time Taken: 06/10/1999 11:55

Date Received: 06/11/1999

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	94.9	%	n/a	SW 5030	06/15/1999	2835
PVOC - NONAQUEOUS						
Benzene	13,700	ug/kg	25	SW 8020	06/16/1999	2365
Ethylbenzene	24,200	ug/kg	25	SW 8020	06/16/1999	2365
Methyl-t-butyl ether	<1,300	ug/kg	25	SW 8020	06/16/1999	2365
Toluene	86,400	ug/kg	25	SW 8020	06/16/1999	2365
1,2,4-Trimethylbenzene	54,800	ug/kg	25	SW 8020	06/16/1999	2365
1,3,5-Trimethylbenzene	17,900	ug/kg	25	SW 8020	06/16/1999	2365
Xylenes, Total	144,000	ug/kg	75	SW 8020	06/16/1999	2365
GRO	H 991	mg/kg	5.0	WDNR	06/16/1999	2365
Surr: Bromofluorobenzene	101.0	%	n/a	SW 8020	06/16/1999	2365



CHAIN OF CUSTODY RECORD

49,03017

COMPANY Cedar Corporation
 ADDRESS 604 Wilson Ave, Menomonee, WI
 PHONE 715-235-9081 FAX 715-235-2727
 PROJECT NAME/LOCATION Paps General Store / Balsam Lk.
 PROJECT NUMBER 1826 - - 303-01
 PROJECT MANAGER Matt Taylor

REPORT TO: Matt Taylor
 INVOICE TO: Cedar Corp.
 P.O. NO. _____
 QUOTE NO. _____

SAMPLED BY Matt Taylor
 (PRINT NAME) _____
 SIGNATURE Matt Taylor
 (PRINT NAME) _____
 SIGNATURE _____

ANALYSES

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes _____ No _____

Is this work being conducted for regulatory enforcement action? Yes _____ No _____

Which regulations apply: RCRA _____ NPDES Wastewater _____
 UST _____ Drinking Water _____
 Other _____ None _____

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers						OTHER	GRO	GRO + Puoc	DRO	
						HCl	NaOH	HNO ₃	H ₂ SO ₄	OTHER						
6/10	1040	4K-1	S	X								3	X			
	1045	4K-2										3	X			
	1050	2K-1										3	X			
	1055	2K-2										3	X			
	1100	1K-1										3		X	X	
	1125	D-3'										2			X	
	1240	P-1										3	X		X	
	1245	P-2										3	X		X	
	1250	P-3										3	X		X	
	1255	P-4										2	X			
	1300	P-5										2	X			
	1150	G-6'										3		X		
	1155	G-10'										3		X		

COMMENTS

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
 FIELD FILTERED? YES / NO

COC SEALS PRESENT AND INTACT? YES / NO
 VOLATILES FREE OF HEADSPACE? YES / NO

TEMPERATURE UPON RECEIPT: on ice
 Bottles supplied by LAB? YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA _____
 I REQUEST LAB TO DISPOSE OF ALL SAMPLE REMAINDERS _____ DATE _____

RELINQUISHED BY: M. Taylor DATE: 6/10/99 TIME: 1515

RECEIVED BY: _____ DATE: 6/11/99 TIME: 1205

RECEIVED FOR LAB BY: Sarah A. Voigt

METHOD OF SHIPMENT: Dry Ice

REMARKS: _____

